

Helical microtubules of graphitic carbon

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Carbon Nanotube Schottky Diodes for High Frequency Applications. , 0, , .		0
2	Antimicrobial Activity: Antibacterial Properties of Silver Nanomaterials. , 0, , 25-32.		0
6	Fundamental Transmitting Properties of Carbon Nanotube Antennas. , 0, , .		8
7	Some Electrical Properties of ZnGeP ₂ Crystals. Japanese Journal of Applied Physics, 1972, 11, 103-106.	1.5	20
8	Temperature Dependence of Photocurrent in Polyethylene. Japanese Journal of Applied Physics, 1973, 12, 757-757.	1.5	4
9	Ultrafine Metal Particles Formed by Gas-Evaporation Technique. II. Crystal Habits of Magnesium, Manganese, Beryllium and Tellurium. Japanese Journal of Applied Physics, 1974, 13, 1714-1721.	1.5	70
10	Aleksei Ivanovich Barabanov (obituary). Russian Mathematical Surveys, 1985, 40, 111-112.	0.6	0
11	Preservation of shape localn-connectedness for fibrations. Russian Mathematical Surveys, 1986, 41, 147-148.	0.6	0
12	Frequency and angular dependences of parametric superradiance generated in a KDP crystal as a result of an interaction of theeâ€œoetype. Soviet Journal of Quantum Electronics, 1988, 18, 1318-1319.	0.1	1
13	Relationship between Plasma Parameters and Carbon Atom Coordination in a-C:H Films Prepared by RF Glow Discharge Decomposition. Japanese Journal of Applied Physics, 1988, 27, 1415-1421.	1.5	21
14	Formation of general fullerenes by their projection on a honeycomb lattice. Physical Review B, 1992, 45, 13834-13836.	3.2	73
15	Phonon modes in graphite,C ₆₀ , andC ₆₀ -based fibers. Physical Review B, 1992, 45, 11305-11311.	3.2	22
16	Quasiparticle energy spectra and magnetic response of certain curved graphitic geometries. Physical Review B, 1992, 46, 7175-7178.	3.2	32
17	Imaging of molecules, lattice and lattice defects in C ₆₀ â€œC ₇₀ fullerites by high-resolution electron microscopy. Philosophical Magazine Letters, 1992, 65, 283-289.	1.2	15
18	Fullerene und Fullerite: Neue Formen des Kohlenstoffs. Physik Journal, 1992, 48, 553-556.	0.1	3
19	Electronic Structure of Carbon Fibers based on C ₆₀ . Materials Research Society Symposia Proceedings, 1992, 247, 333.	0.1	16
20	Electronic Structure of Fullerene Tubules. Materials Research Society Symposia Proceedings, 1992, 247, 339.	0.1	13
21	Structural Studies of Submonolayers of Carbon Atoms on Graphite. Materials Research Society Symposia Proceedings, 1992, 270, 109.	0.1	1

#	ARTICLE	IF	CITATIONS
22	Structural Models of Negatively Curved Graphitic Carbon. Materials Research Society Symposia Proceedings, 1992, 270, 229.	0.1	2
23	Theory for New Carbon-Based Materials. Materials Research Society Symposia Proceedings, 1992, 270, 275.	0.1	0
24	Nanocapillarity in fullerene tubules. Physical Review Letters, 1992, 69, 2689-2692.	7.8	387
25	From C60 to a fullerene tube: Systematic analysis of lattice and electronic structures by the extended Su-Schrieffer-Heeger model. Physical Review B, 1992, 45, 12071-12076.	3.2	95
26	Simulated transmission electron microscope images and characterisation of concentric shell and icospiral graphitic microparticles. Journal of the Chemical Society, Faraday Transactions, 1992, 88, 2815.	1.7	48
27	Electronic structure of schwarzite. Physical Review B, 1992, 46, 1941-1943.	3.2	54
28	Connecting carbon tubules. Physical Review B, 1992, 46, 1933-1936.	3.2	329
29	Negatively curved graphitic sheet model of amorphous carbon. Physical Review Letters, 1992, 69, 921-924.	7.8	194
30	Carbon fibers based on C60 and their symmetry. Physical Review B, 1992, 45, 6234-6242.	3.2	474
31	Self-assembly of the fullerenes. Accounts of Chemical Research, 1992, 25, 98-105.	15.6	516
32	Energetics of Large Fullerenes: Balls, Tubes, and Capsules. Science, 1992, 256, 1792-1795.	12.6	197
33	Chapter 7. Physical chemistry of solids. Annual Reports on the Progress of Chemistry Section C, 1992, 89, 179.	4.4	1
34	The theory of oscillator-coupled magnetic resonance with potential applications to molecular imaging. Review of Scientific Instruments, 1992, 63, 3881-3899.	1.3	72
35	Dalton perspectives. The Post-Buckminsterfullerene graphite horizon. Journal of the Chemical Society Dalton Transactions, 1992, , 2141.	1.1	7
36	Beyond C60: the higher fullerenes. Accounts of Chemical Research, 1992, 25, 119-126.	15.6	362
37	Energies of fullerenes. Physical Review B, 1992, 46, 15546-15549.	3.2	146
38	Pregraphitic and poorly graphitised carbons in porous chondritic micrometeorites. Geochimica Et Cosmochimica Acta, 1992, 56, 1665-1671.	3.9	17
39	A postbuckminsterfullerene view of carbon in the galaxy. Accounts of Chemical Research, 1992, 25, 106-112.	15.6	85

#	ARTICLE	IF	CITATIONS
40	Energetics of nanoscale graphitic tubules. Physical Review B, 1992, 45, 12592-12595.	3.2	893
41	Astrophysical Problems Involving Carbon Re-appraised. Symposium - International Astronomical Union, 1992, 150, 47-54.	0.1	0
42	miniâ€phiuz 1/92. Physik in Unserer Zeit, 1992, 23, 6-7.	0.0	2
43	Fullerite â€“ Neue Modifikationen des Kohlenstoffs. Physik in Unserer Zeit, 1992, 23, 105-110.	0.0	7
44	The case against graphite particles in interstellar space. Astrophysics and Space Science, 1992, 196, 167-169.	1.4	4
45	Pentagons, heptagons and negative curvature in graphite microtubule growth. Nature, 1992, 356, 776-778.	27.8	882
46	Strength in disunity. Nature, 1992, 357, 365-366.	27.8	129
47	Smallest carbon nanotube. Nature, 1992, 358, 23-23.	27.8	229
48	Down the straight and narrow. Nature, 1992, 358, 195-196.	27.8	157
49	Large-scale synthesis of carbon nanotubes. Nature, 1992, 358, 220-222.	27.8	2,939
50	Early nanotubes?. Nature, 1992, 359, 369-369.	27.8	12
51	Nanostructures come of age. Nature, 1992, 359, 591-592.	27.8	29
52	Carbon onions introduce new flavour to fullerene studies. Nature, 1992, 359, 670-671.	27.8	144
53	Curling and closure of graphitic networks under electron-beam irradiation. Nature, 1992, 359, 707-709.	27.8	1,894
54	Polyhedral and cylindrical structures of tungsten disulphide. Nature, 1992, 360, 444-446.	27.8	1,901
55	C60-related tubules. Solid State Communications, 1992, 84, 201-205.	1.9	118
56	Topology in artificial structures. Solid State Communications, 1992, 83, 837-841.	1.9	3
57	Energetics of carbon nano-tubes. Solid State Communications, 1992, 83, 917-919.	1.9	186

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58	Synthesis and doping of fullerenes. Journal of Physics and Chemistry of Solids, 1992, 53, 1683-1688.	4.0	13
59	Electronic structures of C60 fullerides and related materials. Journal of Physics and Chemistry of Solids, 1992, 53, 1457-1471.	4.0	86
60	Carbon nanotube elbow connections and tori. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 170, 37-40.	2.1	49
61	Carbon nanotube connectors and planar jungle gyms. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 172, 173-176.	2.1	99
62	Electronic structure of chiral graphene tubules. Applied Physics Letters, 1992, 60, 2204-2206.	3.3	2,581
63	Formation of carbon nanofibers. The Journal of Physical Chemistry, 1992, 96, 6941-6944.	2.9	318
64	Electronic structure of graphene tubules based on C60. Physical Review B, 1992, 46, 1804-1811.	3.2	1,252
65	New one-dimensional conductors: Graphitic microtubules. Physical Review Letters, 1992, 68, 1579-1581.	7.8	3,267
66	Extraction and STM Imaging of Spherical Giant Fullerenes. Science, 1992, 255, 1413-1416.	12.6	122
67	Growth model for carbon nanotubes. Physical Review Letters, 1992, 69, 3100-3103.	7.8	460
68	Electron Energy-Loss Spectra of Carbon Nanotubes. Japanese Journal of Applied Physics, 1992, 31, L1484-L1487.	1.5	113
69	Atomic force microscopy for high-resolution imaging in cell biology. Trends in Cell Biology, 1992, 2, 208-213.	7.9	192
70	The geometry of hypothetical curved graphite structures. Carbon, 1992, 30, 1251-1260.	10.3	165
71	The He I valence photoelectron spectrum of C70 in the gas phase. Chemical Physics Letters, 1992, 198, 454-460.	2.6	71
72	Negative curvature and hyperfullerenes. Chemical Physics Letters, 1992, 195, 534-536.	2.6	125
73	Topological defects in large fullerenes. Chemical Physics Letters, 1992, 195, 537-542.	2.6	119
74	Synthetic Approaches toward Molecular and Polymeric Carbon Allotropes. Angewandte Chemie International Edition in English, 1992, 31, 1101-1123.	4.4	617
75	Fullerenes—preparation, properties, and carbon chemistry. Carbon, 1992, 30, 675-693.	10.3	57

#	ARTICLE	IF	CITATIONS
76	Morphology and structure of graphitic soot particles generated in arc-discharge C60 production. Chemical Physics Letters, 1992, 198, 596-602.	2.6	136
77	Electronic properties of bucky-tube model. Chemical Physics Letters, 1992, 191, 469-472.	2.6	279
78	Evidence for the entrapment of C60, C70 and odd-numbered high-mass carbon clusters. Organic Mass Spectrometry, 1992, 27, 1006-1012.	1.3	14
79	Strategien zum Aufbau molekularer und polymerer Kohlenstoffallotrope. Angewandte Chemie, 1992, 104, 1123-1146.	2.0	241
80	Diamond from fullerenes. Advanced Materials, 1992, 4, 438-440.	21.0	4
81	Nanochemistry: Synthesis in diminishing dimensions. Advanced Materials, 1992, 4, 612-649.	21.0	1,302
82	Morphology and yield of carbon clusters in arc-discharge deposits. Carbon, 1993, 31, 1212-1216.	10.3	24
83	Tubulanes: carbon phases based on cross-linked fullerene tubules. Chemical Physics Letters, 1993, 211, 110-118.	2.6	39
84	Triply periodic minimal surfaces decorated with curved graphite. Chemical Physics Letters, 1993, 207, 45-50.	2.6	55
85	Fullereneynes: a new family of porous fullerenes. Chemical Physics Letters, 1993, 204, 8-14.	2.6	67
86	Carbon nanotubes with metal inside: electron structure of tubelenes [Li@C24] _n and [K@C36] _n . Chemical Physics Letters, 1993, 214, 345-348.	2.6	20
87	Stable derivatives of small fullerenes. Chemical Physics Letters, 1993, 214, 353-356.	2.6	61
88	Growth morphologies during cobalt-catalyzed single-shell carbon nanotube synthesis. Chemical Physics Letters, 1993, 215, 509-517.	2.6	162
89	The three-dimensional of carbon nanotubes by high-resolution electron microscopy. Chemical Physics Letters, 1993, 207, 148-152.	2.6	22
90	Raman spectroscopy of closed-shell carbon particles. Chemical Physics Letters, 1993, 211, 346-352.	2.6	103
91	Synthesis and electron-beam incision of carbon nanocapsules encaging YC2. Chemical Physics Letters, 1993, 209, 72-76.	2.6	105
92	Phonon modes in carbon nanotubules. Chemical Physics Letters, 1993, 209, 77-82.	2.6	407
93	How to fill or empty a graphitic onion. Chemical Physics Letters, 1993, 209, 99-103.	2.6	101

#	ARTICLE	IF	CITATIONS
94	Formation mechanism of quasi-spherical carbon particles induced by electron bombardment. Chemical Physics Letters, 1993, 207, 473-479.	2.6	147
95	Carbon onions produced by heat treatment of carbon soot and their relation to the 217.5 nm interstellar absorption feature. Chemical Physics Letters, 1993, 207, 480-486.	2.6	303
96	A liquid solution synthesis of single crystal germanium quantum wires. Chemical Physics Letters, 1993, 208, 263-268.	2.6	197
97	The formation of hydrogenated carbon clusters by laser ablation. Chemical Physics Letters, 1993, 205, 178-182.	2.6	5
98	Growth and structure of graphitic tubules and polyhedral particles in arc-discharge. Chemical Physics Letters, 1993, 204, 277-282.	2.6	311
99	Raman studies of carbon nanotubes. Chemical Physics Letters, 1993, 202, 509-512.	2.6	402
100	Distribution of pentagons and shapes in carbon nano-tubes and nano-particles. Chemical Physics Letters, 1993, 202, 384-388.	2.6	132
101	Die Chemie Freier Metall-Atome. Chemie in Unserer Zeit, 1993, 27, 208-219.	0.1	11
102	Fullerene-like nanocrystals of tungsten disulfide. Advanced Materials, 1993, 5, 386-388.	21.0	23
103	Well-aligned carbon nanotubes. Advanced Materials, 1993, 5, 643-646.	21.0	4
104	Magnetocontrolled quantum states in helicoidal tubules. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 178, 335-337.	2.1	22
105	Microstructure of nanocrystalline carbon allotropes: application of STM to loose particles. Ultramicroscopy, 1993, 48, 281-289.	1.9	12
106	Icosahedral, decahedral and single faulted particles obtained from carbon soot. Surface Science Letters, 1993, 284, L444-L448.	0.1	1
107	Characterization of carbon nanotubes by scanning probe microscopy. Surface Science Letters, 1993, 281, 335-340.	0.1	12
108	Total energy calculations for extremely large clusters: The recursive approach. Solid State Communications, 1993, 86, 607-612.	1.9	28
109	Collective resonances of carbon onions. Solid State Communications, 1993, 87, 219-222.	1.9	24
110	Growth mechanism of tubular ultrafine particles of tin sulfide. Journal of Crystal Growth, 1993, 129, 367-370.	1.5	0
111	Carbon nano-tubes; their formation process and observation by electron microscopy. Journal of Crystal Growth, 1993, 130, 368-382.	1.5	224

#	ARTICLE	IF	CITATIONS
112	On the energetics of tubular fullerenes. Journal of Physics and Chemistry of Solids, 1993, 54, 587-593.	4.0	99
113	The production and structure of pyrolytic carbon nanotubes (PCNTs). Journal of Physics and Chemistry of Solids, 1993, 54, 1841-1848.	4.0	461
114	Structural, magnetic and superconducting properties of graphite nanotubes and their encapsulation compounds. Journal of Physics and Chemistry of Solids, 1993, 54, 1861-1870.	4.0	57
115	Scanning tunneling microscopy of vapor-phase grown nanotubes of carbon. Journal of Physics and Chemistry of Solids, 1993, 54, 1871-1877.	4.0	16
116	Correlation effects and electronic properties of fullerenes and carbon nanotubes. Journal of Physics and Chemistry of Solids, 1993, 54, 1493-1496.	4.0	9
117	From dopyballs to nanowires. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 19, 1-7.	3.5	114
118	High-resolution electron microscopy of tungsten and C60 clusters supported on single-crystal MgO films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 19, 53-60.	3.5	9
119	Growth of carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 19, 172-180.	3.5	209
120	Electronic band structure of carbon nanotubes: toward the three-dimensional system. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 19, 181-184.	3.5	12
121	Electronic structure and growth mechanism of carbon tubules. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 19, 185-191.	3.5	85
122	Physics and chemistry of nanometer-scale materials: Symposium summary, looking outward and beyond. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1993, 19, 192-197.	3.5	8
123	The ab initio electronic structure and stability of the bucky tube. Physica C: Superconductivity and Its Applications, 1993, 213, 157-160.	1.2	5
124	Formation of C60 and polycyclic aromatic hydrocarbons upon electric discharges in liquid toluene. Tetrahedron, 1993, 49, 285-290.	1.9	26
125	Single-shell carbon nanotubes of 1-nm diameter. Nature, 1993, 363, 603-605.	27.8	7,888
126	Cobalt-catalysed growth of carbon nanotubes with single-atomic-layer walls. Nature, 1993, 363, 605-607.	27.8	3,608
127	Radial deformation of carbon nanotubes by van der Waals forces. Nature, 1993, 364, 514-516.	27.8	469
128	Synthesis of a tubular polymer from threaded cyclodextrins. Nature, 1993, 364, 516-518.	27.8	612
129	Nested fullerene-like structures. Nature, 1993, 365, 113-114.	27.8	673

#	ARTICLE	IF	CITATIONS
130	Atoms in carbon cages: the structure and properties of endohedral fullerenes. Nature, 1993, 366, 123-128.	27.8	669
131	Self-assembling organic nanotubes based on a cyclic peptide architecture. Nature, 1993, 366, 324-327.	27.8	1,666
132	Radial single-layer nanotubes. Nature, 1993, 366, 637-637.	27.8	92
133	Photoinduced electron transport across a lipid bilayer mediated by C70. Nature, 1993, 361, 138-140.	27.8	149
134	Capillarity-induced filling of carbon nanotubes. Nature, 1993, 361, 333-334.	27.8	1,439
135	Carbon onions in meteorites. Nature, 1993, 361, 595-595.	27.8	20
136	Thinning and opening of carbon nanotubes by oxidation using carbon dioxide. Nature, 1993, 362, 520-522.	27.8	554
137	Opening carbon nanotubes with oxygen and implications for filling. Nature, 1993, 362, 522-525.	27.8	994
138	The problem of fullerenes. The chemical aspect. Russian Chemical Bulletin, 1993, 42, 1-11.	1.5	12
139	Structure and energetics of single and multilayer fullerene cages. Physical Review Letters, 1993, 70, 3023-3026.	7.8	105
140	A review of catalytically grown carbon nanofibers. Journal of Materials Research, 1993, 8, 3233-3250.	2.6	878
141	Energetics of multilayered carbon tubules. Physical Review Letters, 1993, 70, 1858-1861.	7.8	259
142	Fullerene Black - Soot or Something New?. Fullerenes, Nanotubes, and Carbon Nanostructures, 1993, 1, 199-219.	0.6	25
143	Single Crystal Metals Encapsulated in Carbon Nanoparticles. Science, 1993, 259, 346-348.	12.6	629
144	New model for icosahedral carbon clusters and the structure of collapsed fullerite. Physical Review Letters, 1993, 70, 2920-2923.	7.8	37
145	Quantum molecular dynamics simulations of fullerenes and graphitic microtubules. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 74-78.	1.0	5
146	Structure of carbon particles formed by curved graphene sheets (fullerenes, nanotubes): an electron microscopy study. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 26, 150-152.	1.0	11
147	Structural rigidity and low frequency vibrational modes of long carbon tubules. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1993, 27, 93-96.	1.0	309

#	ARTICLE	IF	CITATIONS
148	Fullerenes from brown (lignite) coal. Fuel Processing Technology, 1993, 34, 147-155.	7.2	13
149	Effect of processing conditions on the morphology and yield of carbon nanotubes. Carbon, 1993, 31, 685-689.	10.3	52
150	Cubic phases of carbon obtained from soot. Carbon, 1993, 31, 843-846.	10.3	20
151	Fullerene production in alternative atmospheres. Carbon, 1993, 31, 393-397.	10.3	18
152	Filaments with conical microstructures formed during fullerene production. Carbon, 1993, 31, 240-244.	10.3	13
153	Axisymmetric vibrational modes of fullerene C60. Journal of Physics and Chemistry of Solids, 1993, 54, 1027-1033.	4.0	26
154	Cylindrical fullerenes: The smallest nanotubes?. Journal of Physics and Chemistry of Solids, 1993, 54, 1825-1833.	4.0	32
155	Properties of fullerene nanotubules. Journal of Physics and Chemistry of Solids, 1993, 54, 1835-1840.	4.0	136
156	Fullerenes. Journal of Materials Research, 1993, 8, 2054-2097.	2.6	199
157	Catalytic growth of carbon microtubules with fullerene structure. Applied Physics Letters, 1993, 62, 657-659.	3.3	345
158	Electronic States of Carbon Nanotubes. Journal of the Physical Society of Japan, 1993, 62, 1255-1266.	1.6	632
159	Icosahedral, decahedral and single faulted particles obtained from carbon soot. Surface Science, 1993, 284, L444-L448.	1.9	4
160	Characterization of carbon nanotubes by scanning probe microscopy. Surface Science, 1993, 281, L335-L340.	1.9	29
161	Interlayer spacings in carbon nanotubes. Physical Review B, 1993, 48, 1907-1909.	3.2	265
162	LaC2Encapsulated in Graphite Nano-Particle. Japanese Journal of Applied Physics, 1993, 32, L280-L282.	1.5	217
163	Electron-energy-loss spectroscopy of carbon nanometer-size tubes. Physical Review B, 1993, 47, 6859-6862.	3.2	128
164	Buckytubes and Derivatives: Their Growth and Implications for Buckyball Formation. Science, 1993, 259, 1601-1604.	12.6	191
165	Vapor-Condensation Generation and STM Analysis of Fullerene Tubes. Science, 1993, 260, 515-518.	12.6	211

#	ARTICLE	IF	CITATIONS
166	Preparation of Amorphous Boron Nitride and Its Conversion to a Turbostratic, Tubular Form. Science, 1993, 260, 659-661.	12.6	186
167	THE GEOMETRY OF HYPOTHETICAL CURVED GRAPHITE STRUCTURES. , 1993, , 113-122.		5
168	ELECTRONIC STRUCTURES OF C60 FULLERIDES AND RELATED MATERIALS. , 1993, , 287-301.		0
169	Electronic properties of negative-curvature periodic graphitic carbon surfaces. Physical Review B, 1993, 47, 1593-1606.	3.2	58
170	Hypothetical curved graphite. Scripta Materialia, 1993, 3, 319-329.	0.5	4
171	Catalytic growth of carbon microtubules with fullerene structure. Applied Physics Letters, 1993, 62, 202-204.	3.3	306
172	The fullerenes " new allotropic forms of carbon: molecular and electronic structure, and chemical properties. Russian Chemical Reviews, 1993, 62, 419-435.	6.5	111
173	Atomic structure and doping of microtubules. Physical Review B, 1993, 47, 1708-1711.	3.2	168
174	Collective excitations in metallic graphene tubules. Physical Review B, 1993, 48, 18239-18243.	3.2	92
175	Electronic properties of bucky-tube model. Synthetic Metals, 1993, 56, 3142-3147.	3.9	154
176	Toroidal forms of graphitic carbon. Physical Review B, 1993, 47, 12908-12911.	3.2	129
177	Toroidal forms of graphitic carbon. II. Elongated tori. Physical Review B, 1993, 48, 8323-8328.	3.2	119
178	Helically coiled cage forms of graphitic carbon. Physical Review B, 1993, 48, 5643-5647.	3.2	189
179	Electronic structure of double-layer graphene tubules. Journal of Applied Physics, 1993, 73, 494-500.	2.5	311
180	Hypothetical graphite structures with negative gaussian curvature. Philosophical Transactions of the Royal Society: Physical and Engineering Sciences, 1993, 343, 113-127.	1.0	39
181	Helical and rotational symmetries of nanoscale graphitic tubules. Physical Review B, 1993, 47, 5485-5488.	3.2	591
182	High-resolution electron microscopy of tubule-containing graphitic carbon. Journal of the Chemical Society, Faraday Transactions, 1993, 89, 1189.	1.7	43
183	The confinement of buckminsterfullerene in one-dimensional channels. Journal of the Chemical Society Chemical Communications, 1993, , 533.	2.0	42

#	ARTICLE	IF	CITATIONS
184	Canonical Structure of Large Carbon Clusters: C _n , > 100. Europhysics Letters, 1993, 22, 45-50.	2.0	97
185	Exotic behavior of the dielectric function and the plasmons of an electron gas on a tubule. Physical Review B, 1993, 48, 1947-1950.	3.2	76
186	A Survey of the Research Areas Related to Buckminsterfullerene. Fullerenes, Nanotubes, and Carbon Nanostructures, 1993, 1, 23-44.	0.6	6
187	Compact carbon clusters with tetrahedral bonding and icosahedral symmetry. Computational Materials Science, 1993, 1, 403-410.	3.0	9
188	Band structure of quasi-1D polycondensed hydrocarbons II. Energy spectra of ribbon polymers in relation to graphite. Synthetic Metals, 1993, 53, 205-225.	3.9	21
189	Dimerization and energy-level structures in fullerene tubules investigated with an electron-phonon model. Synthetic Metals, 1993, 56, 3196-3201.	3.9	4
190	TEM and HRTEM characterization of metallized nanotubules derived from bacteria. Scripta Materialia, 1993, 2, 495-503.	0.5	9
191	Magnetic Properties of Carbon Nanotubes. Journal of the Physical Society of Japan, 1993, 62, 2470-2480.	1.6	218
192	Magnetic response of certain curved graphitic geometries. Synthetic Metals, 1993, 56, 3008-3013.	3.9	1
193	The damping properties of composite. Scripta Materialia, 1993, 2, 311-322.	0.5	1
194	Fullerene formation in the tracks of energetic ions. Radiation Effects and Defects in Solids, 1993, 127, 163-168.	1.2	38
195	Geometrical Understanding of Fullerene Structures and Electronic States. Fullerenes, Nanotubes, and Carbon Nanostructures, 1993, 1, 365-377.	0.6	12
196	Preparation of Carbon Nanotubes by Arc-Discharge Evaporation. Japanese Journal of Applied Physics, 1993, 32, L107-L109.	1.5	141
197	Hydrothermal Synthesis and Porous Crystals. , 1993, , 57-71.		0
198	Surface-Linked C60/70-Polystyrene Divinylbenzene Beads as a New Chromatographic Material for Enrichment of Coplanar PCBs. Journal of Chromatographic Science, 1993, 31, 265-278.	1.4	40
199	A proof about molecular bearings. Nanotechnology, 1993, 4, 86-90.	2.6	40
200	Structures of Carbon Deposits Formed on a Graphite Electrode during Fullerene Generation. Japanese Journal of Applied Physics, 1993, 32, 3549-3555.	1.5	9
201	Encapsulation of ZrC and V4C3 in Graphite Nanoballs via Arc Burning of Metal Carbides/Graphite Composites. Japanese Journal of Applied Physics, 1993, 32, L1677-L1680.	1.5	48

#	ARTICLE	IF	CITATIONS
202	Formation of Carbon Nanotubes by Evaporation of Carbon Rod Containing Scandium Oxide. Japanese Journal of Applied Physics, 1993, 32, L1248-L1251.	1.5	19
203	Carbon Nanotubes at As-Grown Top Surface of Columnar Carbon Deposit. Japanese Journal of Applied Physics, 1993, 32, L1342-L1345.	1.5	28
204	Recursion method study of the electronic structure of some fullerenes. Journal of Physics Condensed Matter, 1993, 5, A389-A392.	1.8	0
205	Electron-phonon coupling and the electrical conductivity of fullerene nanotubules. Physical Review B, 1993, 48, 11385-11389.	3.2	143
206	Quantum mechanics on thin cylinders. Physical Review B, 1993, 47, 16554-16562.	3.2	7
207	Nanotube structure and electronic properties probed by scanning tunneling microscopy. Applied Physics Letters, 1993, 62, 2792-2794.	3.3	73
208	Elementary excitations in cylindrical tubules. Physical Review B, 1993, 47, 6617-6624.	3.2	133
209	High-Resolution Electron Microscopic Study of the Growth Mechanism of Gigantic Tubular Super-Fullerenes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1993, 1, 145-157.	0.6	6
210	Magnetoplasmons and persistent currents in cylindrical tubules. Physical Review B, 1993, 48, 5567-5571.	3.2	51
211	Stability of multishell fullerenes. Physical Review B, 1993, 48, 15461-15464.	3.2	105
212	Magnetic ordering transition of electrons on mesoscopic tubes. Physical Review B, 1993, 48, 17545-17550.	3.2	13
213	Toroidal form of carbonC360. Physical Review B, 1993, 47, 1703-1704.	3.2	195
214	Dimerization structures of metallic and semiconducting fullerene tubules. Physical Review B, 1993, 47, 16563-16569.	3.2	74
215	Symmetry properties of chiral carbon nanotubes. Physical Review B, 1993, 47, 16671-16674.	3.2	153
216	Empirical tight-binding parameters for solid C60. Journal of Physics Condensed Matter, 1993, 5, 8255-8264.	1.8	9
217	Dreams in a charcoal fire: predictions about giant fullerenes and graphite nanotubes. Philosophical Transactions of the Royal Society: Physical and Engineering Sciences, 1993, 343, 9-18.	1.0	6
218	Fullerene: C60 and Nanotube.. Kobunshi, 1993, 42, 468-471.	0.0	0
219	The Computational Complexity of Approximation Algorithms for Robust Stability in Rank-Two Matrix Polytopes. , 1993, , .		1

#	ARTICLE	IF	CITATIONS
220	Deltahedral views of fullerene polymorphism. , 1993, , 133-144.		1
221	Graphitic Nanoparticles. MRS Bulletin, 1994, 19, 39-42.	3.5	21
222	Electrical resistance of a carbon nanotube bundle. Journal of Materials Research, 1994, 9, 927-932.	2.6	156
223	Electron diffraction from cylindrical nanotubes. Journal of Materials Research, 1994, 9, 2450-2456.	2.6	58
224	Stabilization of the amorphous phase inside carbon nanotubes: Solidification in a constrained geometry. Philosophical Magazine Letters, 1994, 70, 357-361.	1.2	28
225	A New Type of Carbon: Fullerenes as Exotic Materials. Molecular Crystals and Liquid Crystals, 1994, 255, 261-270.	0.3	1
226	Shape and Fantasy of Fullerenes. MRS Bulletin, 1994, 19, 33-36.	3.5	62
227	Organometallic Derivatives of Fullerenes. Advances in Organometallic Chemistry, 1994, , 57-94.	1.0	32
228	Template synthesis of metal microtubule ensembles utilizing chemical, electrochemical, and vacuum deposition techniques. Journal of Materials Research, 1994, 9, 1174-1183.	2.6	152
231	Scanning tunneling spectroscopy of carbon nanotubes. Journal of Materials Research, 1994, 9, 259-262.	2.6	126
232	High Yield Synthesis of Bucky Tubules and Bucky Onions. Chinese Physics Letters, 1994, 11, 203-206.	3.3	0
233	Synthesis and structure of carbon nanotubes. Acta Physica Sinica (overseas Edition), 1994, 3, 519-527.	0.1	2
234	Ultramicropore Characterization by He Adsorption. Studies in Surface Science and Catalysis, 1994, , 593-602.	1.5	20
235	Synthesis of $Sc_{15}C_{19}$ Crystallites Encapsulated in Carbon Nanocapsules by Arc Evaporation of Sc-C Composite. Japanese Journal of Applied Physics, 1994, 33, L186-L189.	1.5	29
236	Synthesis of Aliphatic Polyurea Films by Vapor Deposition Polymerization and Their Piezoelectric Properties. Japanese Journal of Applied Physics, 1994, 33, 4647-4651.	1.5	18
237	Magnetic Properties of Iron in Nanocapsules. Japanese Journal of Applied Physics, 1994, 33, L24-L25.	1.5	55
238	C K-Edge X-Ray Absorption Near-Edge Structure of Carbon Nanotubes. Japanese Journal of Applied Physics, 1994, 33, L1016-L1018.	1.5	16
239	Change in the electronic states of graphite overlayers depending on thickness. Physical Review B, 1994, 50, 4756-4763.	3.2	68

#	ARTICLE	IF	CITATIONS
240	Endohedral adsorption in graphitic nanotubes. Journal of Chemical Physics, 1994, 101, 3334-3340.	3.0	26
241	Bundles of carbon nanotubes generated by vapor-phase growth. Applied Physics Letters, 1994, 64, 710-711.	3.3	68
242	Constraints on small graphitic helices. Physical Review B, 1994, 50, 8134-8137.	3.2	67
243	High-resolution electron microscopy and inelastic light scattering of purified multishelled carbon nanotubes. Physical Review B, 1994, 50, 15473-15476.	3.2	151
244	Polymerization to graphite-like nitride clusters from tetracyanoethylene vapor. Applied Physics Letters, 1994, 65, 1909-1911.	3.3	7
245	Transport properties of a 1D-1D TM -1D quantum system. Physical Review B, 1994, 50, 15009-15014.	3.2	3
246	Collective level crossings on nanotubes and multipole excitations on fullerenes. Physical Review B, 1994, 49, 5682-5686.	3.2	23
247	Magnetoplasma oscillations in nanoscale tubules with helical symmetry. Physical Review B, 1994, 49, 8454-8463.	3.2	48
248	Growth of manganese filled carbon nanofibers in the vapor phase. Physical Review Letters, 1994, 72, 1722-1725.	7.8	155
249	Aharonov-Bohm-type effect in graphene tubules: A Landauer approach. Physical Review B, 1994, 49, 5097-5100.	3.2	157
250	Scanning tunneling microscopy of single-shell nanotubes of carbon. Applied Physics Letters, 1994, 65, 2284-2286.	3.3	76
251	Curved graphite and its mathematical transformations. Journal of Mathematical Chemistry, 1994, 15, 143-156.	1.5	29
252	Negatively curved graphite and triply periodic minimal surfaces. Journal of Mathematical Chemistry, 1994, 15, 183-195.	1.5	20
253	Energetics for the new forms of carbon-clusters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1994, 29, 231-239.	1.0	7
254	Molecular simulation of fluid adsorption in buckytubes and MCM-41. International Journal of Thermophysics, 1994, 15, 1115-1123.	2.1	46
255	Electron microscopy, growth and defects of carbon nanotubes. Journal of Physics and Chemistry of Solids, 1994, 55, 651-657.	4.0	16
256	Chemical purification of carbon nanotubes by use of graphite intercalation compounds. Carbon, 1994, 32, 1539-1542.	10.3	50
257	Composition of cathode deposits during fullerene production by carbon arc plasma. Carbon, 1994, 32, 542-544.	10.3	9

#	ARTICLE	IF	CITATIONS
258	“Harmless” carbon tubes around “dangerous” asbestos fibres. Carbon, 1994, 32, 363-366.	10.3	4
259	Growth of tubular boron nitride filaments. Journal of Materials Science, 1994, 29, 1575-1580.	3.7	81
260	Electronic band structures of penta-heptagonal carbon networks. Journal of Molecular Structure, 1994, 311, 79-86.	3.6	1
261	Kohlenstoffasern aus der Gasphase. Physik in Unserer Zeit, 1994, 25, 87-90.	0.0	0
262	Elemental carbon isomerism. International Journal of Quantum Chemistry, 1994, 52, 501-523.	2.0	28
263	The oxidative stability of Krötschmer-Huffman soot after extraction with different solvents. Journal of Materials Science Letters, 1994, 13, 996-999.	0.5	3
264	X-ray diffraction study of carbon microtubules. Journal of Materials Science Letters, 1994, 13, 1104-1105.	0.5	8
265	C ₁ -artige Moleküle mittels repetitiver Synthesestrategie. Chemische Berichte, 1994, 127, 767-777.	0.2	36
266	High-temperature behaviour of “fullerene black”. Carbon, 1994, 32, 1245-1248.	10.3	87
267	On the measurements of the helix angles of carbon nanotubes. Carbon, 1994, 32, 1537-1539.	10.3	22
268	Structures of the helical carbon nanotubes. Carbon, 1994, 32, 393-403.	10.3	131
269	Magnetic separation of GdC ₂ encapsulated in carbon nanoparticles. Carbon, 1994, 32, 507-513.	10.3	60
270	High resolution electron microscopy studies in carbon soots. Carbon, 1994, 32, 231-246.	10.3	36
271	The graphitizability of fullerenes and related textures. Carbon, 1994, 32, 335-343.	10.3	19
272	Very long graphitic nano-tubules synthesized by plasma-decomposition of benzene. Chemical Physics Letters, 1994, 217, 393-402.	2.6	77
273	A simple rate equation for fullerene coalescence. Chemical Physics Letters, 1994, 218, 462-466.	2.6	13
274	Structural defects and the shape of large fullerenes. Chemical Physics Letters, 1994, 219, 473-478.	2.6	59
275	Raman scattering from nanoscale carbons generated in a cobalt-catalyzed carbon plasma. Chemical Physics Letters, 1994, 220, 186-191.	2.6	146

#	ARTICLE	IF	CITATIONS
276	Observation of fullerene cones. Chemical Physics Letters, 1994, 220, 192-196.	2.6	354
277	Production of silicon carbide whiskers from carbon nanoclusters. Chemical Physics Letters, 1994, 222, 233-238.	2.6	88
278	The study of carbon nanotubes produced by catalytic method. Chemical Physics Letters, 1994, 223, 329-335.	2.6	465
279	Microscopy of single-layer carbon nanotubes. Chemical Physics Letters, 1994, 225, 165-169.	2.6	27
280	Improving conditions towards isolating single-shell carbon nanotubes. Chemical Physics Letters, 1994, 226, 364-371.	2.6	95
281	Infrared rotation and vibrationâ€”rotation bands of endohedral fullerene complexes. Helium in C60-derived nanotubes. Chemical Physics Letters, 1994, 227, 405-411.	2.6	5
282	Carbon films of oriented multilayered nanotubes deposited on KBr and glass by electron beam evaporation. Chemical Physics Letters, 1994, 228, 94-99.	2.6	19
283	Structural characterization of carbon nanotubes and nanoparticles by high-resolution electron microscopy. Chemical Physics Letters, 1994, 229, 587-592.	2.6	11
284	Resonance Raman and infrared spectroscopy of carbon nanotubes. Chemical Physics Letters, 1994, 221, 53-58.	2.6	346
285	Onion-like carbon from ultra-disperse diamond. Chemical Physics Letters, 1994, 222, 343-348.	2.6	610
286	Density-functional calculations of electronic and structural properties of small fullerene tubules. Chemical Physics Letters, 1994, 225, 454-461.	2.6	9
287	Mass spectrometry, carbon clusters and coal. Organic Mass Spectrometry, 1994, 29, 61-77.	1.3	14
288	On the Mechanism of Fullerene Formation. Angewandte Chemie International Edition in English, 1994, 33, 1866-1869.	4.4	25
289	Localized incorporation of lanthanum carbide crystals in carbon nanotubes. Advanced Materials, 1994, 6, 590-592.	21.0	5
291	Plasmons of an electron gas on a tubule. Physica B: Condensed Matter, 1994, 194-196, 1055-1056.	2.7	0
292	Aharonov-Bohm effect in carbon nanotubes. Physica B: Condensed Matter, 1994, 201, 349-352.	2.7	418
293	Growth behavior and growth defects of carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1994, 185, 131-140.	5.6	27
294	Photochemical cleavage of metalâ€”carbon nanocrystals and their reconstruction into metalâ€”carbon clusters. International Journal of Mass Spectrometry and Ion Processes, 1994, 138, 283-296.	1.8	24

#	ARTICLE	IF	CITATIONS
295	Carbon spheric nanoparticles: possible formation mechanism. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 189, 127-130.	2.1	8
296	Structures of carbon nanotubes studied by HRTEM and nanodiffraction. Ultramicroscopy, 1994, 53, 333-342.	1.9	102
297	The reciprocal space of carbon tubes: a detailed interpretation of the electron diffraction effects. Ultramicroscopy, 1994, 54, 237-249.	1.9	70
298	Interpretation of the {100} fringes in lattice images from the centre of carbon nanotubes. Ultramicroscopy, 1994, 56, 127-134.	1.9	8
299	Determination of pore size and pore size distribution. Journal of Membrane Science, 1994, 96, 59-89.	8.2	581
300	Optical properties for graphene microtubules of different geometries. Solid State Communications, 1994, 91, 191-194.	1.9	4
301	High yield synthesis and HREM study of fullerene tubules and fullerene onions. Solid State Communications, 1994, 89, 89-92.	1.9	3
302	Energetics of giant fullerenes and matryoshka structures. Solid State Communications, 1994, 89, 977-981.	1.9	11
303	On the temperature dependence of electrical conductivity of buckytube-containing carbonaceous samples. Solid State Communications, 1994, 89, 989-994.	1.9	6
304	Predicting properties and new materials. Solid State Communications, 1994, 92, 45-52.	1.9	73
305	Structural imaging of a thick-walled carbon microtubule. Journal of Crystal Growth, 1994, 141, 304-309.	1.5	24
306	Cathode deposits in fullerene formation – microstructural evidence for independent pathways of pyrolytic carbon and nanobody formation. Journal of Crystal Growth, 1994, 135, 157-164.	1.5	26
307	The structure of carbon nanotubes impregnated with Yttrium. Micron, 1994, 25, 53-61.	2.2	18
308	Growth and Sintering of Fullerene Nanotubes. Science, 1994, 266, 1218-1222.	12.6	285
309	Growth Energetics of Carbon Nanotubes. Physical Review Letters, 1994, 73, 2468-2471.	7.8	103
310	Computation of the ultraviolet absorption and electron inelastic scattering cross section of multishell fullerenes. Physical Review B, 1994, 49, 2888-2896.	3.2	115
311	Electron-electron interaction and the persistent current in a quantum ring. Physical Review B, 1994, 50, 8460-8468.	3.2	265
312	The Preparation of Carbon Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1994, 2, 173-180.	0.6	41

#	ARTICLE	IF	CITATIONS
313	Synthesis of buckminsterfullerene in the wake of energetic ions. Nuclear Instruments & Methods in Physics Research B, 1994, 91, 71-77.	1.4	44
314	Experimental studies of small particle structures. Reports on Progress in Physics, 1994, 57, 603-649.	20.1	838
315	Electronic structure of single- and multiple-shell carbon fullerenes. Physical Review B, 1994, 49, 5020-5023.	3.2	35
316	Fullerenes and fullerites: New forms of carbon. Il Nuovo Cimento A, 1994, 107, 1077-1090.	0.2	13
317	Search for muonium states in BN, WS ₂ and carbon nanotubes. Hyperfine Interactions, 1994, 86, 825-829.	0.5	2
318	Carbon shells in flames. Nature, 1994, 370, 603-603.	27.8	102
319	A simple chemical method of opening and filling carbon nanotubes. Nature, 1994, 372, 159-162.	27.8	1,304
320	The continuing saga. Nature, 1994, 372, 731-732.	27.8	47
321	Relation between metal electronic structure and morphology of metal compounds inside carbon nanotubes. Nature, 1994, 372, 761-765.	27.8	491
322	Electronic band structures of penta-heptagonal carbon networks. Computational and Theoretical Chemistry, 1994, 311, 79-86.	1.5	0
323	The Parent Fullerenes. , 0, , 1-36.		0
324	Geometrical and physical properties of hypothetical periodic and aperiodic graphitic structures. Acta Metallurgica Et Materialia, 1994, 42, 2687-2699.	1.8	18
325	Electronic properties of graphite nanotubules from galvanomagnetic effects. Physical Review Letters, 1994, 72, 697-700.	7.8	215
326	Hybridization effects and metallicity in small radius carbon nanotubes. Physical Review Letters, 1994, 72, 1878-1881.	7.8	931
327	Magnetic Susceptibility of Molecular Carbon: Nanotubes and Fullerite. Science, 1994, 265, 84-86.	12.6	146
328	Totally Tubular. Science, 1994, 265, 611-612.	12.6	14
329	Aligned Carbon Nanotube Arrays Formed by Cutting a Polymer Resin–Nanotube Composite. Science, 1994, 265, 1212-1214.	12.6	1,415
330	Isomers of the toroidal forms of graphitic carbon. Physical Review B, 1994, 49, 13970-13974.	3.2	52

#	ARTICLE	IF	CITATIONS
331	Energetics and structure of toroidal forms of carbon. Physical Review B, 1994, 50, 17575-17582.	3.2	33
332	Theory of graphitic boron nitride nanotubes. Physical Review B, 1994, 49, 5081-5084.	3.2	1,564
333	Large scale synthesis of single-shell carbon nanotubes. Applied Physics Letters, 1994, 64, 181-183.	3.3	67
334	Molecular Nanotube Aggregates of beta- and gamma-Cyclodextrins Linked by Diphenylhexatrienes. Science, 1994, 264, 249-251.	12.6	198
336	Electronic properties of semiconducting graphitic microtubules. Physical Review B, 1994, 50, 12203-12206.	3.2	32
337	Elastic equilibrium of curved thin films. Physical Review E, 1994, 49, 5260-5270.	2.1	30
338	Superparamagnetism in carbon-coated Co particles produced by the Kratschmer carbon arc process. Physical Review B, 1994, 49, 11358-11363.	3.2	257
339	Single-shell carbon nanotubes imaged by atomic force microscopy. Surface Science, 1994, 311, L731-L736.	1.9	30
340	Electronic and Lattice Properties of Carbon Nanotubes. Journal of the Physical Society of Japan, 1994, 63, 2252-2260.	1.6	106
341	Defects in Carbon Nanostructures. Science, 1994, 263, 1744-1747.	12.6	451
342	Plasmons and optical properties of carbon nanotubes. Physical Review B, 1994, 50, 17744-17747.	3.2	221
343	Dimensionality crossovers of the Γ plasmon in coaxial carbon nanotubes. Physical Review B, 1994, 50, 7977-7980.	3.2	45
344	Surface plasmon observed for carbon nanotubes. Physical Review B, 1994, 49, 2882-2887.	3.2	111
345	Aromatic character of graphite and carbon nanotubes. Synthetic Metals, 1994, 64, 309-313.	3.9	35
346	The Texture of Catalytically Grown Coil-Shaped Carbon Nanotubules. Europhysics Letters, 1994, 27, 141-146.	2.0	232
347	Computer simulation of materials using parallel architectures. Computational Materials Science, 1994, 2, 180-208.	3.0	15
348	Electron Energy-Loss Spectra of Single-Shell Carbon Nanotubes. Japanese Journal of Applied Physics, 1994, 33, L1316-L1319.	1.5	71
349	Relating carbon tubules. Physical Review B, 1994, 49, 5643-5651.	3.2	238

#	ARTICLE	IF	CITATIONS
350	Magnetic susceptibility of buckytubes. Journal of Materials Research, 1994, 9, 1578-1582.	2.6	72
351	Chiral tubules of hexagonalBC2N. Physical Review B, 1994, 50, 4976-4979.	3.2	343
352	Modifying the buckyball. Computational Materials Science, 1994, 2, 468-474.	3.0	0
353	Theoretical investigation of the electronic structure and absorption spectra of carbon cluster nanotubes. Scripta Materialia, 1994, 4, 11-18.	0.5	1
354	Electronic band structure of multilayered carbon tubules. Computational Materials Science, 1994, 2, 350-356.	3.0	79
355	Carbon cluster structures and stabilities predicted from solid-state potentials. Journal of the Chemical Society, Faraday Transactions, 1994, 90, 3029.	1.7	24
356	Superconducting single crystals of TaC encapsulated in carbon nanotubes. Applied Physics Letters, 1994, 64, 3048-3050.	3.3	36
357	Single-walled carbon nanotubes produced at high yield by mixed catalysts. Applied Physics Letters, 1994, 64, 2087-2089.	3.3	165
358	Magnetic energy bands of carbon nanotubes. Physical Review B, 1994, 50, 14698-14701.	3.2	88
359	Elemental Benzenoids. Journal of Chemical Information and Computer Sciences, 1994, 34, 453-459.	2.8	58
360	Preparation of Fullerenes and Fullerene-Based Materials. Solid State Physics, 1994, , 109-148.	0.5	53
361	Structural Properties of a Carbon-Nanotube Crystal. Physical Review Letters, 1994, 73, 676-679.	7.8	428
362	Electronic excitations in nanoscale systems with helical symmetry. Journal of Physics Condensed Matter, 1994, 6, 3697-3706.	1.8	11
363	Lattice Instability in Metallic Carbon Nanotubes. Journal of the Physical Society of Japan, 1994, 63, 3036-3047.	1.6	80
364	Structural transformations, reactions, and electronic properties of fullerenes, onions, and buckytubes. Computational Materials Science, 1994, 2, 547-556.	3.0	1
365	Electronic properties of tubule forms of hexagonalBC3. Physical Review B, 1994, 50, 18360-18366.	3.2	236
366	Possibility of stable spheroid molecules of ZnO. Physical Review A, 1994, 49, R1543-R1546.	2.5	67
367	Single-Wall Carbon Nanotubes Growing Radially from Ni Fine Particles Formed by Arc Evaporation. Japanese Journal of Applied Physics, 1994, 33, L526-L529.	1.5	123

#	ARTICLE	IF	CITATIONS
368	Plasmons in C60, Carbon Onions and Carbon Tubes. Materials Research Society Symposia Proceedings, 1994, 349, 235.	0.1	0
369	First-Principles Determination of the Polarizabilities of Carbon Tubules as a Function of Length. Materials Research Society Symposia Proceedings, 1994, 349, 241.	0.1	2
370	Catalytic Growth of Carbon Nanofibers and Nanotubes. Materials Research Society Symposia Proceedings, 1994, 349, 251.	0.1	19
371	Growth Phenomena of Carbon Nanotubes Produced by Arc-Discharge. Materials Research Society Symposia Proceedings, 1994, 349, 257.	0.1	2
372	Synthesis of Single Walled Buckytubes. Materials Research Society Symposia Proceedings, 1994, 349, 275.	0.1	0
373	Fullerene/Tubule Based Hollow Carbon Nano-Gears. Materials Research Society Symposia Proceedings, 1994, 349, 283.	0.1	16
374	Vapor-Phase Grown Bundles of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1994, 349, 313.	0.1	1
375	Preparation and Characterization of Aerogel-Based Carbon Nanocomposites. Materials Research Society Symposia Proceedings, 1994, 349, 87.	0.1	5
376	Inorganic Fullerenes of MX ₂ (M=W,Mo;X=S,Se). Materials Research Society Symposia Proceedings, 1994, 359, 111.	0.1	1
377	Constraints on Small Fullerene Helices. Materials Research Society Symposia Proceedings, 1994, 359, 169.	0.1	0
378	Molecular Dynamics Studies of Nanotube Growth in a Carbon ARC. Materials Research Society Symposia Proceedings, 1994, 359, 235.	0.1	0
379	Properties of Novel Fullerene Tubule Structures: A Computational Study. Materials Research Society Symposia Proceedings, 1994, 359, 241.	0.1	5
380	Hrem Lattice Image Simulations of Circular Cross-Sectional Multishell Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1994, 359, 247.	0.1	0
381	Characterization of Ferromagnetic Nanoparticles Produced by A Carbon Arc. Materials Research Society Symposia Proceedings, 1994, 359, 35.	0.1	3
382	Morphology of Nanometric Boron Nitride Powders Produced by Laser Pyrolysis. Materials Research Society Symposia Proceedings, 1994, 359, 53.	0.1	2
383	Effects of Catalyst Promoters on the Growth of Single-Layer Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1994, 359, 69.	0.1	1
384	High Yield Conversion of Carbon Nanotubes to Nanostraws at Mild Conditions. Materials Research Society Symposia Proceedings, 1994, 359, 75.	0.1	0
385	Nanobundles. Materials Research Society Symposia Proceedings, 1994, 359, 81.	0.1	0

#	ARTICLE	IF	CITATIONS
386	Thermal Conditions Favoring Buckytube Growth on the Anode. Materials Research Society Symposia Proceedings, 1994, 368, 105.	0.1	0
387	Aem and Hrem Evaluation of Carbon Nanostructures in Silica Aerogels. Materials Research Society Symposia Proceedings, 1994, 349, 269.	0.1	6
388	High-Density Production of Carbon Nanotubes in Contact Arc-Discharge at Low Helium Pressure. Materials Research Society Symposia Proceedings, 1994, 349, 337.	0.1	0
389	Solid State Properties of Fullerenes and Fullerene-Based Materials. Solid State Physics, 1994, 48, 1-108.	0.5	42
390	Dielectric Behavior and Collective Excitation of an Electron Gas on a Tubule. Journal of the Physical Society of Japan, 1994, 63, 4186-4194.	1.6	4
391	The Mechanics of Ionic Motion in Molecular Channels. Advances in Quantum Chemistry, 1994, 25, 47-139.	0.8	4
392	The First Predictions in the Buckminsterfullerene Crystal Ball. Fullerenes, Nanotubes, and Carbon Nanostructures, 1994, 2, 333-342.	0.6	10
393	Superconductivity in C60 based solids. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1994, 70, 627-636.	0.6	3
394	Electron Diffraction Structure Analysis of Two Kinds of New Iron Carbides with High Carbon Content. Materials Transactions, JIM, 1995, 36, 1332-1337.	0.9	2
395	Theory of some Carbon Solids. Materials Research Society Symposia Proceedings, 1995, 383, 33.	0.1	0
396	Massively Parallel Molecular Dynamics and Simulations for Many-Body Potentials. Materials Research Society Symposia Proceedings, 1995, 408, 125.	0.1	3
397	Bistability of Defects in Semiconductors. Materials Research Society Symposia Proceedings, 1995, 378, 929.	0.1	0
398	Preparation Of Silicon Carbide Nanofibrils From Vapor Grown Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1995, 410, 179.	0.1	2
399	Nested interfacial growth of carbon nanotubes catalyzed by hafnium. Advanced Materials, 1995, 7, 286-289.	21.0	16
400	Room-temperature electrosynthesis of carbonaceous fibers. Advanced Materials, 1995, 7, 398-401.	21.0	7
401	Oligo(1-methylpyrrole)s-A model system in the conducting polymer series. Advanced Materials, 1995, 7, 401-404.	21.0	23
402	Aligned carbon nanotubes in a thin polymer film. Advanced Materials, 1995, 7, 489-491.	21.0	49
403	Graphene in 3-dimensions: Towards graphite origami. Advanced Materials, 1995, 7, 582-586.	21.0	138

#	ARTICLE	IF	CITATIONS
404	Self-assembled nanoscale tubular ensembles. <i>Advanced Materials</i> , 1995, 7, 675-677.	21.0	106
405	Template synthesis of graphitic nanotubes. <i>Advanced Materials</i> , 1995, 7, 896-897.	21.0	147
406	Doped and heteroatom-containing fullerene-like structures and nanotubes. <i>Advanced Materials</i> , 1995, 7, 965-995.	21.0	166
407	Strukturelle und thermodynamische Voraussetzungen für die Bildung selbstorganisierter röhrenförmiger Peptid-Nanostrukturen. <i>Angewandte Chemie</i> , 1995, 107, 76-78.	2.0	70
408	Buckyballs mit Inhalt: Neues von den endohedralen Metallofullerenen der Lanthanoide. <i>Angewandte Chemie</i> , 1995, 107, 1071-1075.	2.0	31
409	Energy gap of alternant carbon nanotubes. <i>Macromolecular Theory and Simulations</i> , 1995, 4, 991-1000.	1.4	3
410	The Structural and Thermodynamic Basis for the Formation of Self-Assembled Peptide Nanotubes. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 93-95.	4.4	249
411	Filled Buckyballs: Recent Developments from the Endohedral Metallofullerenes of Lanthanides. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 981-985.	4.4	70
412	Carbon nanotubes: I. Geometrical considerations. <i>Carbon</i> , 1995, 33, 135-140.	10.3	14
413	Hydrogen control of carbon deposit morphology. <i>Carbon</i> , 1995, 33, 79-85.	10.3	102
414	Encapsulation of lanthanum carbide in carbon nanotubes and carbon nanoparticles. <i>Carbon</i> , 1995, 33, 225-232.	10.3	41
415	Pyrolytic carbon nanotubes from vapor-grown carbon fibers. <i>Carbon</i> , 1995, 33, 873-881.	10.3	321
416	Electronic and structural properties of carbon nanotubes. <i>Carbon</i> , 1995, 33, 893-902.	10.3	333
417	Carbon nanotubes with single-layer walls. <i>Carbon</i> , 1995, 33, 903-914.	10.3	98
418	Scanning tunneling microscopy of carbon nanotubes and nanocones. <i>Carbon</i> , 1995, 33, 915-920.	10.3	140
419	Helically coiled and toroidal cage forms of graphitic carbon. <i>Carbon</i> , 1995, 33, 931-939.	10.3	79
420	Electronic properties of carbon nanotubes: Experimental results. <i>Carbon</i> , 1995, 33, 941-948.	10.3	112
421	Nanoparticles and filled nanocapsules. <i>Carbon</i> , 1995, 33, 979-988.	10.3	433

#	ARTICLE	IF	CITATIONS
422	Onion-like graphitic particles. Carbon, 1995, 33, 989-993.	10.3	226
423	Electric effects in nanotube growth. Carbon, 1995, 33, 921-924.	10.3	30
424	Catalytic production and purification of nanotubules having fullerene-scale diameters. Carbon, 1995, 33, 1727-1738.	10.3	212
425	Model structure of perfectly graphitizable coiled carbon nanotubes. Carbon, 1995, 33, 1759-1775.	10.3	79
426	A structural study of strings of multi-shell graphitic particles. Carbon, 1995, 33, 341-343.	10.3	1
428	HEMI-toroidal networks in pyrolytic carbon nanotubes. Carbon, 1995, 33, 51-55.	10.3	41
429	Concentric shelled and plate-like graphitic boron nitride nanoparticles produced by CO ₂ laser pyrolysis. Chemical Physics Letters, 1995, 234, 227-232.	2.6	64
430	Growth of carbon nanotubes: a molecular dynamics study. Chemical Physics Letters, 1995, 236, 150-155.	2.6	54
431	Synthesis of lanthanum compound encapsulated within carbon nanoparticles. Chemical Physics Letters, 1995, 236, 277-284.	2.6	11
432	A high resolution electron microscopy investigation of curvature in carbon nanotubes. Chemical Physics Letters, 1995, 241, 365-372.	2.6	27
433	New surface allotropes of carbon. Chemical Physics Letters, 1995, 241, 522-527.	2.6	5
434	The equilibrium structures of giant fullerenes: faceted or spherical shape? An ab initio Hartree-Fock study of icosahedral C ₂₄₀ and C ₅₄₀ . Chemical Physics Letters, 1995, 243, 193-198.	2.6	45
435	Theoretical studies on carbon tubules. Chemical Physics Letters, 1995, 243, 387-392.	2.6	2
436	Structural and electronic properties of bent carbon nanotubes. Chemical Physics Letters, 1995, 245, 85-89.	2.6	214
437	Group theoretical applications to icosahedral fullerenes. Chemical Physics Letters, 1995, 245, 561-565.	2.6	11
438	Carbon structures grown from decomposition of a phenylacetylene and thiophene mixture on Ni nanoparticles. Carbon, 1995, 33, 669-678.	10.3	38
439	Encapsulation of manganese carbides within carbon nanotubes and nanoparticles. Carbon, 1995, 33, 749-756.	10.3	46
440	Physics of carbon nanotubes. Carbon, 1995, 33, 883-891.	10.3	1,099

#	ARTICLE	IF	CITATIONS
441	Properties of buckytubes and derivatives. Carbon, 1995, 33, 949-958.	10.3	19
442	Vibrational modes of carbon nanotubes; Spectroscopy and theory. Carbon, 1995, 33, 959-972.	10.3	595
443	Cavity quantum electrodynamics in a carbon nanotube. Physica D: Nonlinear Phenomena, 1995, 83, 143-150.	2.8	1
444	Ï€ plasmon in single (multi) shell nanotubes: a simple derivation of the shell interaction. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 207, 303-306.	2.1	0
445	Molecular simulation of simple fluids and water in porous carbons. Fluid Phase Equilibria, 1995, 104, 145-158.	2.5	85
446	Growth of buckytubes on the anode at are discharge. Zeitschrift F�r Physik B-Condensed Matter, 1995, 99, 353-356.	1.1	5
447	Nucleation of diamond film growth by Buckytubes. Journal of Materials Science Letters, 1995, 14, 1281-1282.	0.5	10
448	Suppression of atomic radiation in a cylindrical nanocavity. Zeitschrift F�r Physik D-Atoms Molecules and Clusters, 1995, 33, 203-210.	1.0	2
449	Nucleation, growth, and fractal dimensions of icosahedral and polyicosahedral clusters. Journal of Cluster Science, 1995, 6, 203-215.	3.3	3
450	Microscope studies of the morphology and structure of carbon nanotubes. Journal of Materials Science, 1995, 30, 2291-2295.	3.7	9
451	Density functional study of the intershell interaction energy in carbon onions. International Journal of Quantum Chemistry, 1995, 56, 689-696.	2.0	12
452	Fullerenes, nanotubes, onions and related carbon structures. Materials Science and Engineering Reports, 1995, 15, 209-262.	31.8	129
453	Carbon nanotubes as removable templates for metal oxide nanocomposites and nanostructures. Nature, 1995, 375, 564-567.	27.8	675
454	Synthesis and characterization of carbide nanorods. Nature, 1995, 375, 769-772.	27.8	1,122
455	Fully collapsed carbon nanotubes. Nature, 1995, 377, 135-138.	27.8	466
456	Condensed-phase nanotubes. Nature, 1995, 377, 687-687.	27.8	277
457	Magnetism of the carbon allotropes. Nature, 1995, 378, 249-255.	27.8	104
458	Carbon cluster anions: structure and growth from C5�� to C62��. International Journal of Mass Spectrometry and Ion Processes, 1995, 149-150, 217-229.	1.8	124

#	ARTICLE	IF	CITATIONS
459	New carbon tubelite-ordered film structure of multilayer nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 197, 40-46.	2.1	21
460	Carbon with tubelene-like nearest atomic order in inclusions of iron-nickel-carbon alloys. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 200, 171-176.	2.1	5
461	Influence of electron-beam parameters on the radiation-induced formation of graphitic onions. Ultramicroscopy, 1995, 60, 187-194.	1.9	42
462	Synthesis, structure, properties and magnetic applications of carbon-coated nanocrystals produced by a carbon arc. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1995, 204, 19-24.	5.6	30
463	Molecular design of carbon nanotubes for the separation of molecules. Microporous Materials, 1995, 3, 449-455.	1.6	34
464	Electron microscopy of catalysts; the present, the future and the hopes. Catalysis Today, 1995, 23, 161-199.	4.4	44
465	The self-organization of crystallites of N-2-(3-methyl-pyridyl)-bis-2-thiophene carboxamide and N-(3-pyridyl)-2-thiophene sulphonamide into well-defined architectural forms. Journal of Crystal Growth, 1995, 148, 436-438.	1.5	0
466	Size control of carbon grains and their optical properties. Planetary and Space Science, 1995, 43, 1303-1309.	1.7	6
467	Chirality-dependence of energy gaps of semiconducting nanotubules. Solid State Communications, 1995, 94, 435-437.	1.9	21
468	Activation and tracer techniques for study of metallofullerenes. Journal of Radioanalytical and Nuclear Chemistry, 1995, 192, 81-89.	1.5	45
469	Plasmons on spherical carbon shells. Nuclear Instruments & Methods in Physics Research B, 1995, 96, 470-477.	1.4	10
470	High-Rate, Gas-Phase Growth of MoS ₂ Nested Inorganic Fullerenes and Nanotubes. Science, 1995, 267, 222-225.	12.6	1,190
471	X-ray powder diffraction from carbon nanotubes and nanoparticles. Physical Review B, 1995, 52, 116-124.	3.2	149
472	Flattened fullerenes. Russian Chemical Bulletin, 1995, 44, 1612-1621.	1.5	0
473	Growth of buckytubes on the anode at are discharge. Zeitschrift für Physik B-Condensed Matter, 1995, 99, 353-356.	1.1	0
474	Filling carbon nanotubes with small palladium metal crystallites: the effect of surface acid groups. Journal of the Chemical Society Chemical Communications, 1995, , 1355.	2.0	133
475	Inelastic electron scattering and magnetic collective response of mesoscopic carbon structures. Physical Review B, 1995, 51, 4557-4568.	3.2	10
476	Stable glow discharge for synthesis of carbon nanotubes. Applied Physics Letters, 1995, 66, 427-429.	3.3	15

#	ARTICLE	IF	CITATIONS
477	Carbon nanotubes synthesized in a hydrogen arc discharge. Applied Physics Letters, 1995, 66, 2430-2432.	3.3	167
478	Theoretical study of the collective electronic excitations in single- and multiple-shell fullerenes. Physical Review B, 1995, 52, 8446-8453.	3.2	7
479	Theoretical Predictions for a Two-Dimensional Rhombohedral Phase of Solid C ₆₀ . Physical Review Letters, 1995, 74, 274-277.	7.8	158
480	The flipping of corannulene C ₂₀ H ₁₀ through surface transformations and the stability of C ₂₀ isomers. Fullerenes, Nanotubes, and Carbon Nanostructures, 1995, 3, 107-114.	0.6	6
481	Simultaneous Synthesis of Carbon Nanotubes and Nitrogen-Doped Fullerenes in Nitrogen Atmosphere. The Journal of Physical Chemistry, 1995, 99, 1818-1819.	2.9	88
482	Morphology, structure, and growth of nanoparticles produced in a carbon arc. Physical Review B, 1995, 52, 12564-12571.	3.2	185
483	Polygonal spiral of coil-shaped carbon nanotubules. Physical Review B, 1995, 52, 5313-5317.	3.2	38
484	Electronic states of the cap structure in the carbon nanotube. Physical Review B, 1995, 52, 6015-6026.	3.2	137
485	Temperature-dependent vibrational spectra of carbon nanotubes. Physical Review B, 1995, 51, 10048-10051.	3.2	93
486	Synthesis of actinide carbides encapsulated within carbon nanoparticles. Journal of Applied Physics, 1995, 78, 5320-5324.	2.5	18
487	Symmetry properties of chiral carbon nanotubes. Physical Review B, 1995, 51, 11176-11179.	3.2	49
488	Energy gaps of semiconducting nanotubules. Physical Review B, 1995, 52, 2723-2727.	3.2	60
489	Zircon: A host-phase for the disposal of weapons plutonium. Journal of Materials Research, 1995, 10, 243-246.	2.6	307
490	Growth of an oriented graphitic layer on a TiC nanocube. Journal of Applied Physics, 1995, 77, 3450-3452.	2.5	8
491	Transformation from Graphitic Microstrips to Multishelled Polyhedrons under Electron Irradiation. Physical Review Letters, 1995, 74, 2717-2720.	7.8	5
492	Charge-density-wave instabilities in a multisubband quasi-one-dimensional electron system. Physical Review B, 1995, 51, 7407-7411.	3.2	2
493	Theoretical studies of multishell fullerenes. Physical Review B, 1995, 52, 17435-17438.	3.2	12
494	The effect of hydrogen on the formation of carbon nanotubes and fullerenes. Journal of Materials Research, 1995, 10, 1977-1983.	2.6	119

#	ARTICLE	IF	CITATIONS
495	Principles for structure analysis of carbon nanotubes by high-resolution transmission electron microscopy. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1995, 72, 139-159.	0.6	16
496	Synthesis, Purification and Properties of Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 1995, 267, 267-276.	0.3	10
497	Phonons in Graphitic Tubules. Europhysics Letters, 1995, 32, 43-48.	2.0	18
498	Lattice Distortion of Metallic Carbon Nanotubes Induced by Magnetic Fields. Journal of the Physical Society of Japan, 1995, 64, 260-267.	1.6	50
499	Thermally Activated Electric Conduction in Carbon Nanotubes. Japanese Journal of Applied Physics, 1995, 34, L10-L12.	1.5	27
500	Carbon Nanotubes Filled with Gadolinium and Hafnium Carbides. Japanese Journal of Applied Physics, 1995, 34, 4207-4212.	1.5	9
501	The dynamics of molecular bearings. Nanotechnology, 1995, 6, 64-74.	2.6	81
502	Formation and characterization of silicon nanoparticles-threads, tubules and possibly silicon fullerene-like structures. Journal of Physics Condensed Matter, 1995, 7, L529-L535.	1.8	16
503	Crystallographic Structure and Magnetic Properties of Co Fine Particles Encaged in Carbon Nanocapsules. Japanese Journal of Applied Physics, 1995, 34, 5594-5598.	1.5	23
504	Fullerenes and carbon structures. Physics-Uspexhi, 1995, 38, 935-964.	2.2	92
505	Magnetic Susceptibility of Carbon Nanotubes. Europhysics Letters, 1995, 31, 363-366.	2.0	20
506	Carbon Nanocapsules Grown on Carbon Fibers. Japanese Journal of Applied Physics, 1995, 34, 1610-1614.	1.5	4
507	Fullerenes: Synthesis, Separation, Characterization, Reaction Chemistry, and Applicationsâ€”A Review. Energy Sources Part A Recovery, Utilization, and Environmental Effects, 1995, 17, 615-640.	0.5	22
508	Fullerene genesis by ion beams. Proceedings of the Royal Society A, 1995, 449, 381-410.	0.9	22
509	Study of Carbon Nanocapsules (Onions) and Spherulitic Graphite by Stm and Other Techniquesâ€”. Fullerenes, Nanotubes, and Carbon Nanostructures, 1995, 3, 765-777.	0.6	2
510	Electron Microscopic Study of Heat-Treated Carbon Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1995, 3, 359-367.	0.6	4
511	Fullerene nanotubes in electric fields. Physical Review B, 1995, 52, 1429-1432.	3.2	94
512	Synthesis of low density and high hardness carbon spheres containing nitrogen and oxygen. Acta Metallurgica Et Materialia, 1995, 43, 1243-1247.	1.8	11

#	ARTICLE	IF	CITATIONS
513	Fullerenes and fullerites: new forms of carbon. Scripta Materialia, 1995, 6, 65-72.	0.5	10
514	Fullerenes and fullerites: New forms of carbon. Synthetic Metals, 1995, 70, 1309-1312.	3.9	5
515	Synthesis of single and multi-shell carbon nanotubes. Synthetic Metals, 1995, 70, 1475-1476.	3.9	21
516	Icosahedral and tetrahedral giant and hyperfullerenes. Synthetic Metals, 1995, 70, 1503-1504.	3.9	1
517	Electron microscopy study of coiled carbon tubules. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1995, 71, 605-630.	0.6	85
518	A Structure Model and Growth Mechanism for Multishell Carbon Nanotubes. Science, 1995, 267, 1334-1338.	12.6	218
519	Aligned Carbon Nanotube Films: Production and Optical and Electronic Properties. Science, 1995, 268, 845-847.	12.6	706
520	Static conductivity and superconductivity of carbon nanotubes: Relations between tubes and sheets. Physical Review B, 1995, 52, 14935-14940.	3.2	116
521	Magnetization of graphene tubules. Physical Review B, 1995, 52, 8423-8438.	3.2	88
522	Novel Magnetic Properties of Carbon Nanotubes. Physical Review Letters, 1995, 74, 1123-1126.	7.8	279
523	Modeling Fluid Behavior in Well-Characterized Porous Materials. Accounts of Chemical Research, 1995, 28, 281-288.	15.6	92
524	Phonons in graphitic tubules: A tight-binding molecular dynamics study. Journal of Chemical Physics, 1995, 103, 6697-6705.	3.0	104
525	Dynamics of a laser driven molecular motor. Nanotechnology, 1995, 6, 52-63.	2.6	84
526	Cross-sectional high-resolution transmission electron microscopy study of the structures of carbon nanotubes. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1995, 71, 1161-1176.	0.6	25
527	Theory of carbon nanotube growth. Physical Review B, 1995, 52, 14850-14858.	3.2	106
528	Beyond C60: graphite structures for the future. Chemical Society Reviews, 1995, 24, 341.	38.1	69
529	Graphite: Flat, Fibrous and Spherical. , 1995, , 161-180.		12
530	Ab initio calculation of phonon spectra for graphite, BN, and BC ₂ N sheets. Physical Review B, 1995, 52, 14971-14975.	3.2	78

#	ARTICLE	IF	CITATIONS
531	Static polarizabilities of single-wall carbon nanotubes. Physical Review B, 1995, 52, 8541-8549.	3.2	423
532	Carbon nanostructures in silica aerogel composites. Journal of Materials Research, 1995, 10, 251-254.	2.6	21
533	Classification scheme for toroidal molecules. Journal of the Chemical Society, Faraday Transactions, 1995, 91, 4037.	1.7	27
534	First-Principles Study of Carbon Nanotube Solid-State Packings. Europhysics Letters, 1995, 29, 43-48.	2.0	109
535	The onset of instability in nanostructures: The role of nonlinear resonance. Journal of Chemical Physics, 1995, 102, 6619-6622.	3.0	20
536	Boron Nitride Nanotubes. Science, 1995, 269, 966-967.	12.6	2,881
537	Immobilization of small proteins in carbon nanotubes: high-resolution transmission electron microscopy study and catalytic activity. Journal of the Chemical Society Chemical Communications, 1995, , 1803.	2.0	105
538	Magnetoconductance of carbon nanotubes. Physical Review B, 1995, 51, 7592-7597.	3.2	77
539	Tiling rules for toroidal molecules. Physical Review A, 1995, 51, 1146-1149.	2.5	26
540	Development of fullerene-reinforced aluminum. Journal of Materials Research, 1995, 10, 366-371.	2.6	19
541	Magnetic Properties of Ensembles of Carbon Nanotubes. Journal of the Physical Society of Japan, 1995, 64, 4382-4391.	1.6	95
542	Ionic Cohesion and Electron Doping of Thin Carbon Tubules with Alkali Atoms. Physical Review Letters, 1995, 74, 2993-2996.	7.8	163
543	Peculiar Localized State at Zigzag Graphite Edge. Journal of the Physical Society of Japan, 1996, 65, 1920-1923.	1.6	2,569
544	Theoretical study of one-dimensional chains of metal atoms in nanotubes. Physical Review B, 1996, 53, 4023-4026.	3.2	93
545	Polymorphism of Extended Fullerene Networks: Geometrical Parameters and Electronic Structures. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 565-582.	0.6	34
546	Structural flexibility of carbon nanotubes. Journal of Chemical Physics, 1996, 104, 2089-2092.	3.0	1,115
547	Spectroscopic Study of C ₂ in Carbon Arc Discharge. Spectroscopy Letters, 1996, 29, 1215-1228.	1.0	17
548	In-situ fabrication of tungsten nanocrystal encapsulated carbon ball in TEM. Materials Letters, 1996, 27, 121-124.	2.6	6

#	ARTICLE	IF	CITATIONS
549	Preparation of Ultrafine Carbon Tubes in Nanochannels of an Anodic Aluminum Oxide Film. Chemistry of Materials, 1996, 8, 2109-2113.	6.7	434
550	Energy Bands of Carbon Nanotubes in Magnetic Fields. Journal of the Physical Society of Japan, 1996, 65, 505-514.	1.6	190
551	Using computer simulation to study the properties of molecules in micropores. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 1.	1.7	62
552	Collective excitations in a single-layer carbon nanotube. Physical Review B, 1996, 53, 15493-15496.	3.2	63
553	Graphite Electrodes Containing Nanometer-Sized Metal Particles and Their Use in the Synthesis of Single-Walled Carbon Nanotube Composites. Chemistry of Materials, 1996, 8, 1545-1549.	6.7	18
554	Synthesis of carbon nanotubes filled with long continuous crystals of molybdenum oxides. Chemical Communications, 1996, , 2489.	4.1	51
555	Nanoscale Encapsulation of Molybdenum Carbide in Carbon Clusters. Chemistry of Materials, 1996, 8, 6-8.	6.7	45
556	Spheres of Spheres of Azafullerene in the Solid State. Chemistry of Materials, 1996, 8, 2405-2408.	6.7	30
557	Quantum Transport in a Multiwalled Carbon Nanotube. Physical Review Letters, 1996, 76, 479-482.	7.8	475
558	Thermal conductance and the Peltier coefficient of carbon nanotubes. Physical Review B, 1996, 53, 11186-11192.	3.2	15
559	Polymerized KC60 investigated by scanning tunnelling microscopy (STM). Synthetic Metals, 1996, 77, 123-126.	3.9	2
560	Electronic structure simulations of carbon nanotubes. Synthetic Metals, 1996, 77, 231-234.	3.9	38
561	Growth mechanism of coiled carbon nanotubes. Synthetic Metals, 1996, 77, 235-242.	3.9	48
562	Morphology and crystallography of nano-particulates revealed by electron holography. Scripta Materialia, 1996, 7, 137-146.	0.5	11
563	Probing Electrical Transport in Nanomaterials: Conductivity of Individual Carbon Nanotubes. Science, 1996, 272, 523-526.	12.6	979
564	Prediction of a pure-carbon planar covalent metal. Physical Review B, 1996, 53, R13303-R13305.	3.2	252
565	Quantum conductance of carbon nanotubes with defects. Physical Review B, 1996, 54, 2600-2606.	3.2	468
566	A tight-binding model for calculations of structures and properties of graphitic nanotubes. Journal of Chemical Physics, 1996, 104, 4652-4656.	3.0	66

#	ARTICLE	IF	CITATIONS
567	Collective plasmon excitations in graphene tubules. Physical Review B, 1996, 54, 13487-13490.	3.2	37
568	Encapsulation of small metal particles in solid organic matrices. Progress in Solid State Chemistry, 1996, 24, 183-211.	7.2	23
569	Matrix-assisted laser desorption/ionization tandem reflectron time-of-flight mass spectrometry of fullerenes. Journal of the American Society for Mass Spectrometry, 1996, 7, 590-597.	2.8	32
570	Elaboration and characterization of various carbon nanostructures. Synthetic Metals, 1996, 81, 243-250.	3.9	22
571	Theoretical study of electronic density of states for carbon nanotubes. Synthetic Metals, 1996, 82, 17-21.	3.9	4
572	Unconventional Quasiparticle Lifetime in Graphite. Physical Review Letters, 1996, 77, 3589-3592.	7.8	210
573	Elastic vibrations of microtubules in a fluid. Physical Review E, 1996, 53, 1003-1010.	2.1	107
574	Novel experiments with carbon nanotubes: opening, filling, closing and functionalizing nanotubes. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 4925-4934.	1.5	194
575	Cobalt-doped carbon nanotubes: Preparation, texture, and magnetic properties. Journal of Applied Physics, 1996, 79, 6007.	2.5	27
576	Orientation of Carbon Nanotubes Using Electrophoresis. Japanese Journal of Applied Physics, 1996, 35, L917-L918.	1.5	170
577	Tunneling conductance of connected carbon nanotubes. Physical Review B, 1996, 53, 2044-2050.	3.2	314
578	The Role Of Defects In Graphitic Structures. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 517-533.	0.6	55
579	Nanomechanics of Carbon Tubes: Instabilities beyond Linear Response. Physical Review Letters, 1996, 76, 2511-2514.	7.8	2,450
580	C60-Related Tubules and Spherules. , 1996, , 756-869.		18
581	Estimation of superconducting transition temperature in metallic carbon nanotubes. Physical Review B, 1996, 53, 5129-5132.	3.2	17
582	Ab Initio Calculations of Fullerenes. Science, 1996, 271, 942-945.	12.6	113
583	Crystalline Ropes of Metallic Carbon Nanotubes. Science, 1996, 273, 483-487.	12.6	5,226
584	Biomembrane Templates for Nanoscale Conduits and Networks. Science, 1996, 273, 933-935.	12.6	208

#	ARTICLE	IF	CITATIONS
585	Metallic Oxide Catalyzed Growth of Carbon Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 977-988.	0.6	2
586	Vibrational Spectrum of Carbon Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 31-42.	0.6	6
587	Magnetic properties of nested carbon nanostructures studied by electron spin resonance and magnetic susceptibility measurements. Journal of Applied Physics, 1996, 80, 1020-1027.	2.5	68
588	Consideration of Hyper-Giant Fullerenes as Possible Lighter-Than-Air Solids. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 477-489.	0.6	2
589	Boron Nitride Nanotubes with Reduced Numbers of Layers Synthesized by Arc Discharge. Physical Review Letters, 1996, 76, 4737-4740.	7.8	796
590	Calculating the diffraction of electrons or X-rays by carbon nanotubes. Europhysics Letters, 1996, 35, 355-360.	2.0	47
592	C61Br2: a new synthesis of dibromomethanofullerene and mass spectrometric evidence of the carbon allotropes C121 and C122. Chemical Communications, 1996, , 547-548.	4.1	53
593	New developments in making compounds and materials by condensing gaseous high-temperature species at atmospheric or low pressure. Chemical Society Reviews, 1996, 25, 93.	38.1	7
594	Observations of solid-gas reactions by means of high-resolution transmission electron microscopy. Faraday Discussions, 1996, 105, 85-102.	3.2	12
595	Curved surfaces in chemical structure. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1996, 354, 1975-1987.	3.4	44
596	Synthesis of carbon nanotubes from bulk polymer. Applied Physics Letters, 1996, 69, 278-279.	3.3	68
597	Spectrofluorimetric determination of arsenic in water samples. Analytical Communications, 1996, 33, 315.	2.2	10
598	Characterization and catalytic activity of palladium dispersed on Kratschmer-Huffman (K ⁺ H) soot. Chemical Communications, 1996, , 851-852.	4.1	8
599	SCANNING TUNNELING MICROSCOPY OF CARBON NANOTUBES AND NANOCONES. , 1996, , 65-70.		0
601	MODEL STRUCTURE OF PERFECTLY GRAPHITIZABLE COILED CARBON NANOTUBES. , 1996, , 87-103.		1
602	ELECTRIC EFFECTS IN NANOTUBE GROWTH. , 1996, , 11-14.		0
603	PHYSICS OF CARBON NANOTUBES. , 1996, , 27-35.		18
604	ONION-LIKE GRAPHITIC PARTICLES. , 1996, , 163-167.		11

#	ARTICLE	IF	CITATIONS
605	ELECTRONIC AND STRUCTURAL PROPERTIES OF CARBON NANOTUBES. , 1996, , 37-46.		2
606	PYROLYTIC CARBON NANOTUBES FROM VAPOR-GROWN CARBON FIBERS. , 1996, , 1-9.		1
607	CARBON NANOTUBES WITH SINGLE-LAYER WALLS. , 1996, , 47-58.		2
608	Electron Nanodiffraction: Progress and Prospects. Journal of Electron Microscopy, 1996, 45, 3-10.	0.9	20
609	Lattice Distortion with Spatial Variation of Carbon Nanotubes in Magnetic Fields. Journal of the Physical Society of Japan, 1996, 65, 2976-2986.	1.6	31
610	Material Matters. MRS Bulletin, 1996, 21, 5-6.	3.5	1
611	4.5 Electron Microscopes and Microscopy in Japan. Advances in Imaging and Electron Physics, 1996, , 749-772.	0.2	0
612	Chapter 2.10 Micropore filling mechanism in inorganic sorbents. Studies in Surface Science and Catalysis, 1996, 99, 573-598.	1.5	23
613	Growth mechanism of iron-filled carbon nanotubules. Journal of Applied Physics, 1996, 80, 579-581.	2.5	10
614	Theory of novel heterostructures and their properties. Physica Scripta, 1996, T68, 84-89.	2.5	3
616	The decoration of carbon nanotubes by metal nanoparticles. Journal Physics D: Applied Physics, 1996, 29, 3173-3176.	2.8	207
617	Large-Scale Synthesis of Aligned Carbon Nanotubes. Science, 1996, 274, 1701-1703.	12.6	1,627
618	Morphology of Carbon Nanotubes Prepared by Carbon Arc. Japanese Journal of Applied Physics, 1996, 35, 4451-4456.	1.5	32
619	Clusters: Structure, Energetics, and Dynamics of Intermediate States of Matter. The Journal of Physical Chemistry, 1996, 100, 12911-12944.	2.9	658
620	Study of Fullerenes, Nanotubes and Nanowires by Transmission Electron Microscopy. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 1263-1277.	0.6	15
621	Formation of a Titanium Dioxide Nanotube Array. Langmuir, 1996, 12, 1411-1413.	3.5	684
622	Semiempirical molecular orbital calculation of geometric, electronic, and vibrational structures of metal oxide, metal sulfide, and other inorganic fullerene spheroids. Computational and Theoretical Chemistry, 1996, 362, 215-224.	1.5	21
623	Fullerene-like structures and nanotubes from inorganic compounds. Endeavour, 1996, 20, 97-104.	0.4	12

#	ARTICLE	IF	CITATIONS
624	Fullerence synthesis and disruption: experimental aspects of the assembling of carbon nanostructures. Rivista Del Nuovo Cimento, 1996, 19, 1-78.	5.7	5
625	Size dependence of the electronic and magnetic properties of fullerenes (C 60 -C 240). Zeitschrift Für Physik D-Atoms Molecules and Clusters, 1996, 37, 165-167.	1.0	5
626	Aharonovâ€”Bohm effect on magnetic properties of carbon nanotubes. Physica B: Condensed Matter, 1996, 216, 358-361.	2.7	18
627	Angular-resolved EELS of a carbon nanotube. Thin Solid Films, 1996, 273, 222-224.	1.8	26
628	Intercalation into carbon nanotubes. Carbon, 1996, 34, 1301-1303.	10.3	59
629	Electrolytic formation of carbon nanostructures. Chemical Physics Letters, 1996, 262, 161-166.	2.6	221
630	Tamm states of carbon nanotubes. JETP Letters, 1996, 63, 621-627.	1.4	9
631	TEM study of chirality in MoS ₂ nanotubes. Journal of Microscopy, 1996, 181, 68-71.	1.8	48
632	Non-carbon nanotubes. Advanced Materials, 1996, 8, 443-445.	21.0	44
633	Semiconductor nanotube formation by a two-step template process. Advanced Materials, 1996, 8, 857-859.	21.0	134
634	Tools and strategies for Developing New Materials. Advanced Materials, 1996, 8, 883-894.	21.0	8
635	Purification and opening of carbon nanotubes via bromination. Advanced Materials, 1996, 8, 1012-1015.	21.0	94
636	Cyclisches [6]â€”und [8]Paraphenylacetylen**. Angewandte Chemie, 1996, 108, 2803-2805.	2.0	80
637	Kontrollierte Synthese von [TiSe ₂] _n [NbSe ₂] _n â€”â€”berstrukturen aus modulierten Reaktanten. Angewandte Chemie, 1996, 108, 2805-2809.	2.0	6
638	Ringerweiterungsmetathese von Tetradehydrodianthracen â€” Synthese und Struktur eines rÄ”hrenförmigen, vollständig durchkonjugierten Kohlenwasserstoffs. Angewandte Chemie, 1996, 108, 2834-2836.	2.0	66
639	Holes in diamond or carbon nitride lattices. International Journal of Quantum Chemistry, 1996, 60, 1065-1068.	2.0	8
640	Internal structure and stability of carbon nanoclusters: arc discharge preparation versus CO disproportionation. Chemical Physics Letters, 1996, 249, 92-100.	2.6	4
641	The structure of the carbon nanotube and its surface topography probed by transmission electron microscopy and atomic force microscopy. Chemical Physics Letters, 1996, 249, 413-422.	2.6	22

#	ARTICLE	IF	CITATIONS
642	“Horror vacui” or topological in-out isomerism in perhydrogenated fullerenes: C ₆₀ H ₆₀ and monoalkylated perhydrogenated fullerenes. Chemical Physics Letters, 1996, 249, 406-412.	2.6	28
643	Synthesis of long carbon nanotubes filled with Se, S, Sb and Ge by the arc method. Chemical Physics Letters, 1996, 256, 246-252.	2.6	132
644	Collapsing carbon nanotubes with an electron beam. Chemical Physics Letters, 1996, 256, 241-245.	2.6	52
645	Pyrolytically grown B _x C _y N _z nanomaterials: nanofibres and nanotubes. Chemical Physics Letters, 1996, 257, 576-582.	2.6	223
646	Electronic structures and stability rules of tetrahedral fullerenes. Chemical Physics Letters, 1996, 258, 562-573.	2.6	11
647	Vapor-phase self-assembly of carbon nanomaterials. Chemical Physics Letters, 1996, 259, 41-47.	2.6	31
648	Attraction and orientation phenomena of bucky onions formed in a transmission electron microscope. Chemical Physics Letters, 1996, 259, 425-431.	2.6	47
649	Metal particle catalysed production of nanoscale BN structures. Chemical Physics Letters, 1996, 259, 568-573.	2.6	282
650	B _i -C _j -N nanotubes and boron doping of carbon nanotubes. Chemical Physics Letters, 1996, 260, 465-470.	2.6	276
651	Onion-like graphitic particles produced from diamond. Chemical Physics Letters, 1996, 262, 252-258.	2.6	54
652	Carbon nanotubes—II. Cohesion and formation energy of cylindrical nanotubes. Carbon, 1996, 34, 69-75.	10.3	34
653	Fe-catalyzed carbon nanotube formation. Carbon, 1996, 34, 1249-1257.	10.3	275
654	Comparative NMR study of new carbon forms. Carbon, 1996, 34, 1287-1291.	10.3	44
655	The anode deposit formed during the carbon-arc evaporation of graphite for the synthesis of fullerenes and carbon nanotubes. Carbon, 1996, 34, 231-237.	10.3	35
656	Structure of carbon caps and formation of fullerenes. Carbon, 1996, 34, 173-178.	10.3	9
657	Semiconducting camphoric carbon tubules. Carbon, 1996, 34, 251-264.	10.3	38
658	Scanning tunneling microscopy and spectroscopy of a carbon nanotube. Carbon, 1996, 34, 1295-1297.	10.3	24
659	Chemical treatment of carbon nanotubes. Carbon, 1996, 34, 279-281.	10.3	376

#	ARTICLE	IF	CITATIONS
660	Formation of nanotubes in low pressure hydrocarbon flames. Carbon, 1996, 34, 427-429.	10.3	56
661	Mechanical damage of carbon nanotubes by ultrasound. Carbon, 1996, 34, 814-816.	10.3	530
662	Anionic Glucophospholipids—A New Family of Tubule-Forming Amphiphiles. Chemistry - A European Journal, 1996, 2, 1335-1339.	3.3	54
663	Cyclic[6]- and [8]Paraphenylacetylenes. Angewandte Chemie International Edition in English, 1996, 35, 2664-2666.	4.4	172
664	Ring-Expanding Metathesis of Tetradehydro-anthracene—Synthesis and Structure of a Tubelike, Fully Conjugated Hydrocarbon. Angewandte Chemie International Edition in English, 1996, 35, 2669-2671.	4.4	137
665	Estimation of Peierls-transition temperature in metallic carbon nanotube. Solid State Communications, 1996, 97, 303-307.	1.9	28
666	A feature near the Fermi energy in metallic nanotubules. Solid State Communications, 1996, 97, 115-118.	1.9	6
667	High yield synthesis and growth mechanism of carbon nanotubes. Solid State Communications, 1996, 97, 371-375.	1.9	20
668	Cross-sectional transmission electron microscopic study on carbon nanotubules. Solid State Communications, 1996, 98, 547-551.	1.9	9
669	Heat capacity of carbon nanotubes. Solid State Communications, 1996, 100, 177-180.	1.9	202
670	Evidence of anisotropic metallic behaviour in the optical properties of carbon nanotubes. Solid State Communications, 1996, 99, 513-517.	1.9	75
671	Chiral non-racemic C60 derivatives: A proposed sector rule for fullerene absolute configuration. Tetrahedron, 1996, 52, 5131-5142.	1.9	50
672	Fullerenes and other carbon forms: studies by STM and cognate techniques. Thin Solid Films, 1996, 273, 132-137.	1.8	2
673	Resonance in elemental benzenoids. Discrete Applied Mathematics, 1996, 67, 157-173.	0.9	49
674	Scanning tunneling microscopy study of fullerenes. Progress in Surface Science, 1996, 51, 263-408.	8.3	151
675	Carbon nanotubes: Effects of magnetic fields on lattice distortions. Physica B: Condensed Matter, 1996, 227, 342-345.	2.7	2
676	Structural, electronic and optical properties of carbon nitride. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 209, 1-4.	5.6	43
677	Molecular assembly formation in a solid nanospace. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1996, 109, 319-333.	4.7	48

#	ARTICLE	IF	CITATIONS
678	Optimization of catalytic production and purification of buckytubes. Journal of Molecular Catalysis A, 1996, 107, 159-168.	4.8	85
679	Coherent nanodiffraction from phase objects: carbon nanotubes. Ultramicroscopy, 1996, 63, 39-47.	1.9	11
680	Carbon nanotube electrode for oxidation of dopamine. Bioelectrochemistry, 1996, 41, 121-125.	1.0	760
681	Regrowth of carbon nanotubes and nanoparticles. Journal of Crystal Growth, 1996, 166, 888-892.	1.5	3
682	Real-time observation of fullerene generation in a modified electron microscope. Journal of Crystal Growth, 1996, 158, 185-188.	1.5	21
683	Formation and decay of spherical concentric-shell carbon clusters. Journal of Crystal Growth, 1996, 163, 445-454.	1.5	60
684	Microoptical spectroscopy of BiI ₃ molecules adsorbed in nano-channels of zeolite single crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 217-218, 151-154.	5.6	7
685	Non-superaromatic reference for carbon nanotube as a quasi-one-dimensional π -bonding model for graphite. Journal of Mathematical Chemistry, 1996, 19, 231-239.	1.5	6
686	Structural mechanics of carbon nanotubes: From continuum elasticity to atomistic fracture. Journal of Computer-Aided Materials Design, 1996, 3, 173-182.	0.7	53
687	Purification and characterization of buckminsterfullerene, nanotubes and their by-products. Vacuum, 1996, 47, 1289-1292.	3.5	7
688	Molecular simulation of binary mixture adsorption in buckytubes and MCM-41. Adsorption, 1996, 2, 23-32.	3.0	48
689	The perfect nanotube. Nature, 1996, 382, 207-208.	27.8	32
690	Hard elastic carbon thin films from linking of carbon nanoparticles. Nature, 1996, 383, 321-323.	27.8	206
691	Nanotubes as nanoprobe in scanning probe microscopy. Nature, 1996, 384, 147-150.	27.8	2,213
692	Preparation of Nested Fullerenes and Nanotubes of MoS ₂ . High Temperature Materials and Processes, 1996, 15, 163-170.	1.4	7
693	Fullerenic nanostructures in flames. Journal of Materials Research, 1996, 11, 341-347.	2.6	61
694	Self Assembling Organic Nanotubes. , 1996, , 181-188.		1
695	Theoretical study of the binding of Na clusters encapsulated in the C ₂₄₀ fullerene. Physical Review B, 1996, 53, 16059-16066.	3.2	22

#	ARTICLE	IF	CITATIONS
696	Interactions of the Na ₂ dimer with a C ₆₀ molecule. Physical Review A, 1996, 54, 2205-2215.	2.5	13
697	Structure of polygonal defects in graphitic carbon sheets. Physical Review B, 1996, 54, 14713-14719.	3.2	43
698	A simple and robust electron beam source from carbon nanotubes. Applied Physics Letters, 1996, 69, 1969-1971.	3.3	358
699	Electrical resistance of a single carbon nanotube. Europhysics Letters, 1996, 34, 429-434.	2.0	92
700	Structural and vibrational properties of fullerenes and nanotubes in a nonorthogonal tight-binding scheme. Journal of Chemical Physics, 1996, 104, 5875-5882.	3.0	109
701	Dynamics of cytoskeletal filaments. Physical Review E, 1996, 54, 1816-1823.	2.1	13
702	Polyne Ring Nucleus Growth Model for Single-Layer Carbon Nanotubes. Physical Review Letters, 1996, 76, 2515-2518.	7.8	111
703	Observation of potassium-intercalated carbon nanotubes and their valence-band excitation spectra. Journal of Applied Physics, 1996, 79, 3739-3743.	2.5	42
704	Collective excitations of multishell carbon microstructures: Multishell fullerenes and coaxial nanotubes. Physical Review B, 1996, 53, 10225-10236.	3.2	113
705	Equilibrium shape equation and possible shapes of carbon nanotubes. Physical Review B, 1996, 54, 16436-16439.	3.2	9
706	Carbon Nanotubes Grown on the Surface of Cathode Deposit by Arc Discharge. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 1027-1039.	0.6	37
707	Mechanically stretched carbon nanotubes: Induction of chiral current. Physical Review B, 1996, 54, R11149-R11152.	3.2	15
708	Chiral Conductivities of Nanotubes. Physical Review Letters, 1996, 76, 2121-2124.	7.8	103
709	Anisotropic electron-beam damage and the collapse of carbon nanotubes. Physical Review B, 1996, 54, 5927-5931.	3.2	147
710	Electronic specific heat of single-walled carbon nanotubes. Physical Review B, 1996, 54, 2896-2900.	3.2	5
711	Carbon nanocapsules and single-layered nanotubes produced with platinum-group metals (Ru, Rh, Pd.) Tj ETQq 1 1 0.784314 rgBT 118	2.5	118
712	Periodic mesoporous materials: synthesis, characterization and potential applications. Studies in Surface Science and Catalysis, 1996, , 1-46.	1.5	123
713	Curvature-induced bonding changes in carbon nanotubes investigated by electron energy-loss spectrometry. Physical Review B, 1996, 53, 13824-13829.	3.2	90

#	ARTICLE	IF	CITATIONS
714	Visible-Light-Emitting Layered BC ₂ N Semiconductor. Physical Review Letters, 1996, 77, 187-189.	7.8	175
715	Pairing of Pentagonal and Heptagonal Carbon Rings in the Growth of Nanosize Carbon Spheres Synthesized by a Mixed-Valent Oxide-Catalytic Carbonization Process. The Journal of Physical Chemistry, 1996, 100, 17725-17731.	2.9	117
716	Structures of Carbon Soot Prepared by Laser Ablation. The Journal of Physical Chemistry, 1996, 100, 5839-5843.	2.9	91
717	Electrical, magnetic and structural characterization of fullerene soots. Journal of Physics Condensed Matter, 1996, 8, 2127-2141.	1.8	29
718	JxB Arc Jet Fullerene Producer with a Revolver Type Automatic Material Injector. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 913-923.	0.6	14
719	The chirality of carbon nanotubes determined by dark-field electron microscopy. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1996, 74, 723-740.	0.6	19
720	On the Size Dependence of Standing Waves in Tubular Fullerenes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1996, 4, 1109-1117.	0.6	0
721	Growth of spiral carbon tubes by a mixed-valent oxide-catalytic carbonization process. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1996, 74, 51-69.	0.6	21
722	Fullerene stability and structure. Contemporary Physics, 1996, 37, 235-247.	1.8	24
723	Investigation of electron paramagnetic resonance in carbon tubes. Europhysics Letters, 1996, 34, 31-36.	2.0	9
724	Chapter 1.1 Computational studies on the design of synthetic sorbents for selective adsorption of molecules. Studies in Surface Science and Catalysis, 1996, , 3-30.	1.5	2
725	Structural Modification of Single-Layer Carbon Nanotubes with an Electron Beam. The Journal of Physical Chemistry, 1996, 100, 3749-3752.	2.9	111
726	Graphitic structures: from planar to spheres, toroids and helices. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 1996, 354, 2025-2054.	3.4	81
727	Formation of Nanostructured V ₂ O ₅ -Based Catalysts in Flames. , 1996, , 515-533.		2
728	Preparative-Scale Liquid Chromatography and Characterization of Large Fullerenes Generated in Low-Pressure Benzene Flames. The Journal of Physical Chemistry, 1996, 100, 19603-19610.	2.9	16
729	Comparative analysis of electron-gas excitations on a spherical surface and on a flat plane. Journal of Physics Condensed Matter, 1996, 8, 10241-10252.	1.8	3
730	Collective resonances of the molecule: effects of electron-density profile. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 5115-5125.	1.5	13
731	Quantum chemical evaluation of the knee angle in the (5,5) - (9,0) coiled carbon tubule. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 4915-4924.	1.5	8

#	ARTICLE	IF	CITATIONS
732	Curious Structural Characteristics from the Carbon Deposits on the Graphitic Electrodes Subjected to Arc Evaporation. Japanese Journal of Applied Physics, 1997, 36, 5610-5615.	1.5	1
733	Formation and growth of carbon nanostructures: fullerenes, nanoparticles, nanotubes and cones. Physics-Uspexhi, 1997, 40, 717-737.	2.2	72
734	Study on the cathode deposit produced in the process of carbon arc discharge. Acta Physica Sinica (overseas Edition), 1997, 6, 28-34.	0.1	0
735	Enumeration of periodic tetrahedral frameworks. Zeitschrift Fur Kristallographie - Crystalline Materials, 1997, 212, 768-791.	0.8	148
736	Application of rigid-body dynamics and semiclassical mechanics to molecular bearings. Nanotechnology, 1997, 8, 103-111.	2.6	36
737	Heterohedral Fullerenes and Nanotubes: Formation and Characteristics. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 1091-1131.	0.6	18
738	Molecular dynamics simulation of large-scale carbon nanotubes on a shared-memory architecture. , 1997,, .		15
739	Morphology and Stability of Growing Multiwall Carbon Nanotubes. Physical Review Letters, 1997, 79, 2065-2068.	7.8	106
740	Influence of dislocations in Thomson's problem. Physical Review B, 1997, 56, 3640-3643.	3.2	57
741	Synthesis of silicon nitride nanorods using carbon nanotube as a template. Applied Physics Letters, 1997, 71, 2271-2273.	3.3	191
742	Chapter 13. Heterogeneous surface structures of adsorbents. Studies in Surface Science and Catalysis, 1997, 104, 679-714.	1.5	8
743	Core-level photoabsorption study of defects and metastable bonding configurations in boron nitride. Physical Review B, 1997, 55, 12025-12037.	3.2	146
744	Epitaxial carbon nanotube film self-organized by sublimation decomposition of silicon carbide. Applied Physics Letters, 1997, 71, 2620-2622.	3.3	187
745	Nanoholes on Silicon Surface Created by Electron Irradiation under Ultrahigh Vacuum Environment. Physical Review Letters, 1997, 79, 2994-2997.	7.8	31
746	Direct Observation by Tem on the Generation Process of Carbon Clusters at 800°C. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 1397-1405.	0.6	1
747	Length control of individual carbon nanotubes by nanostructuring with a scanning tunneling microscope. Applied Physics Letters, 1997, 71, 2629-2631.	3.3	149
748	Fullerene and nanoparticle formation in carbon cathodic arc deposition. Applied Physics Letters, 1997, 70, 3233-3235.	3.3	7
749	Structures and Images of Novel Derivatives of Carbon Nanotubes, Fullerenes and Related New Carbon Forms. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 489-502.	0.6	6

#	ARTICLE	IF	CITATIONS
750	Onionlike structures and small nested fullerenes formation under electron irradiation of turbostratic BC ₂ N. Applied Physics Letters, 1997, 70, 2383-2385.	3.3	15
751	Electronic structure of single-wall, multiwall, and filled carbon nanotubes. Physical Review B, 1997, 55, 13980-13988.	3.2	59
752	Electroneutrality and the Friedel Sum Rule in a Luttinger Liquid. Physical Review Letters, 1997, 79, 3463-3466.	7.8	43
753	Intra-atomic correlation effects and the electronic and magnetic properties in nanotubes. Physical Review B, 1997, 56, 6420-6423.	3.2	2
754	Coil Formation in Multishell Carbon Nanotubes: Competition between Curvature Elasticity and Interlayer Adhesion. Physical Review Letters, 1997, 78, 4055-4058.	7.8	119
755	Low Energy Properties of (n,n) Carbon Nanotubes. Physical Review Letters, 1997, 78, 4245-4248.	7.8	129
756	Plasmons in graphite and stage-1 graphite intercalation compounds. Physical Review B, 1997, 55, 13961-13971.	3.2	46
757	Electronic properties of fullerenes with nonpositive Gaussian curvature: Finite zeolites. Physical Review B, 1997, 56, 12143-12146.	3.2	21
758	Concentric carbon structures. Physical Review B, 1997, 56, 7751-7754.	3.2	13
759	Fullerene symmetry reduction and rotational level fine structure: The Buckyball isotopomer ¹² C ₅₉ â€‰‰ ¹³ C. Journal of Chemical Physics, 1997, 106, 1326-1335.	3.0	5
760	Theory of composite B _x C _y N _z nanotube heterojunctions. Applied Physics Letters, 1997, 70, 197-199.	3.3	243
761	Radial Thermal Expansion of Purified Multiwall Carbon Nanotubes Measured by X-ray Diffraction. Japanese Journal of Applied Physics, 1997, 36, L1403-L1405.	1.5	50
762	Coating of Carbon Nanotube with Nickel by Electroless Plating Method. Japanese Journal of Applied Physics, 1997, 36, L501-L503.	1.5	117
763	Boron and its compounds with nonmetals: chemical bonding and the electronic properties. Russian Chemical Reviews, 1997, 66, 459-482.	6.5	23
764	Investigation of growth conditions of fibrous deposits in carbon arc. Journal of Materials Research, 1997, 12, 1551-1557.	2.6	2
765	A novel method for synthesis of carbon nanotubes: Low temperature solid pyrolysis. Journal of Materials Research, 1997, 12, 1678-1680.	2.6	28
766	Balance of graphite deposition and multishell carbon nanotube growth in the carbon arc discharge. Journal of Materials Research, 1997, 12, 244-252.	2.6	30
767	AM1 Treatment of Monosilacyclacenes. Polycyclic Aromatic Compounds, 1997, 12, 139-143.	2.6	13

#	ARTICLE	IF	CITATIONS
768	Quantum Transport in a Carbon Nanotube in Magnetic Fields. Journal of the Physical Society of Japan, 1997, 66, 3558-3565.	1.6	35
769	Boltzmann Conductivity of a Carbon Nanotube in Magnetic Fields. Journal of the Physical Society of Japan, 1997, 66, 169-173.	1.6	38
770	Capillary condensation model within nano-scale pores studied with molecular dynamics simulation.. Journal of Chemical Engineering of Japan, 1997, 30, 274-284.	0.6	30
771	LAPW Studies of Electronic Interactions in Fullerene Tubes Doped with Transition Metals*. Zeitschrift Fur Physikalische Chemie, 1997, 200, 165-174.	2.8	0
772	AM1 Treatment of Silacyclacenes. Polycyclic Aromatic Compounds, 1997, 12, 213-219.	2.6	35
773	On a peculiar contrast effect associated with carbon nanotubes. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 267-270.	0.6	0
774	High-resolution transmission electron microscopic study of nanoporous carbon consisting of curved single graphitic sheets. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 753-768.	0.6	24
775	Efficiency of parallel machine for large-scale simulation in computational physics. Lecture Notes in Computer Science, 1997, , 381-388.	1.3	1
776	Optical and Magneto-Optical Properties of Carbon Nanotube Bundles. Journal of the Physical Society of Japan, 1997, 66, 3294-3302.	1.6	11
777	Self-Assembly of Tyrocidines in Nanotubular Structures. Materials Research Society Symposia Proceedings, 1997, 489, 145.	0.1	6
778	Helical nanotubes of hexagonal boron nitride. Journal of Electron Microscopy, 1997, 46, 75-78.	0.9	50
779	Quasiparticle Properties of an Electron Gas in a Cylindrical Tubule. Journal of the Physical Society of Japan, 1997, 66, 3543-3550.	1.6	0
780	Elementary Excitations in a Carbon Nanotube. Journal of the Physical Society of Japan, 1997, 66, 757-764.	1.6	5
781	Zirconia nanotubes. Chemical Communications, 1997, , 1581-1582.	4.1	153
782	Cyclophene chemistry: synthesis and study of an octacobalt complex of [8.8]paracyclophaneoctayne. Chemical Communications, 1997, , 1121-1122.	4.1	33
783	Synthesis of carbon nanotubes containing metal oxides and metals of the d-block and f-block transition metals and related studies. Journal of Materials Chemistry, 1997, 7, 545-549.	6.7	99
784	Formation of platinum nanorods and nanoparticles in uniform carbon nanotubes prepared by a template carbonization method. Chemical Communications, 1997, , 701-702.	4.1	113
785	Non-bonding orbitals in graphite, carbon tubules, toroids and fullerenes. Journal of the Chemical Society, Faraday Transactions, 1997, 93, 1037-1043.	1.7	23

#	ARTICLE	IF	CITATIONS
786	Carbon nanotubes grown <i>in situ</i> by a novel catalytic method. Journal of Materials Research, 1997, 12, 613-615.	2.6	168
787	Determination of adsorption equilibria in pores by molecular dynamics in a unit cell with imaginary gas phase. Journal of Chemical Physics, 1997, 106, 8124-8134.	3.0	56
788	Raman characterization of aligned carbon nanotubes produced by thermal decomposition of hydrocarbon vapor. Applied Physics Letters, 1997, 70, 2684-2686.	3.3	337
789	Scanning tunneling microscope investigation of carbon nanotubes produced by catalytic decomposition of acetylene. Physical Review B, 1997, 56, 12490-12498.	3.2	48
790	Structure of non-graphitising carbons. International Materials Reviews, 1997, 42, 206-218.	19.3	187
791	Self-Assembled Peptide Nanotubes from First Principles. Physical Review Letters, 1997, 79, 761-764.	7.8	55
792	In Situ Band Gap Engineering of Carbon Nanotubes. Physical Review Letters, 1997, 79, 2093-2096.	7.8	273
793	Conductance of Carbon Nanotube Junctions in Magnetic Fields. Journal of the Physical Society of Japan, 1997, 66, 2973-2976.	1.6	28
794	Carbon Nanotube π -T Junctions: Nanoscale Metal-Semiconductor-Metal Contact Devices. Physical Review Letters, 1997, 79, 4453-4456.	7.8	300
795	Uniaxial-stress effects on the electronic properties of carbon nanotubes. Physical Review B, 1997, 55, 6820-6824.	3.2	214
796	Nanometre-size tubes of carbon. Reports on Progress in Physics, 1997, 60, 1025-1062.	20.1	472
797	Heteroatomic Nanotubes with Quasi-One-Dimensional Superlattice Structure. Journal of Physical Chemistry B, 1997, 101, 705-709.	2.6	24
798	Magnetism of Nanometer-Scale Graphite with Edge or Topological Defects. Molecular Crystals and Liquid Crystals, 1997, 305, 445-454.	0.3	24
799	Adsorption Studies of Methane Films on Catalytic Carbon Nanotubes and on Carbon Filaments. Langmuir, 1997, 13, 7197-7201.	3.5	61
800	Effective Low-Energy Theory for Correlated Carbon Nanotubes. Physical Review Letters, 1997, 79, 5082-5085.	7.8	492
801	Field Emission Patterns from Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 1997, 36, L1340-L1342.	1.5	139
802	Structures of C_nH_x +Molecules for $n \geq 22$ and $x \geq 5$: Emergence of PAHs and Effects of Dangling Bonds on Conformation. Journal of Physical Chemistry A, 1997, 101, 2096-2102.	2.5	29
803	High-resolution electron microscopy studies of non-graphitizing carbons. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 76, 667-677.	0.6	210

#	ARTICLE	IF	CITATIONS
804	Conductance of nanotube junctions and its scaling law. Physical Review B, 1997, 55, 4991-4998.	3.2	88
805	Hall effect and magnetoresistance of carbon nanotube films. Physical Review B, 1997, 55, 6704-6707.	3.2	87
806	Synthesis of Gallium Nitride Nanorods Through a Carbon Nanotube-Confined Reaction. Science, 1997, 277, 1287-1289.	12.6	1,272
807	Fullerene Commercial Vision. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 1-31.	0.6	63
808	Surface diffusion growth and stability mechanism of BN nanotubes produced by laser beam heating under superhigh pressures. Applied Physics Letters, 1997, 71, 3522-3524.	3.3	34
809	Spectral Diagnostics of Helium-Carbon Arc Plasma During Carbon Nanostructure Formation. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 1177-1201.	0.6	7
810	Ultra-thin epitaxial films of graphite and hexagonal boron nitride on solid surfaces. Journal of Physics Condensed Matter, 1997, 9, 1-20.	1.8	502
811	Metal-Filled and Hollow Carbon Nanotubes Obtained by the Decomposition of Metal-Containing Free Precursor Molecules. Chemistry of Materials, 1997, 9, 2078-2081.	6.7	102
812	Field emission from nanotube bundle emitters at low fields. Applied Physics Letters, 1997, 70, 3308-3310.	3.3	409
813	Unique characteristics of cold cathode carbon-nanotube-matrix field emitters. Physical Review B, 1997, 55, 9391-9399.	3.2	364
814	Quasiperiodic icosahedral graphite sheets and high-genus fullerenes with nonpositive Gaussian curvature. Physical Review B, 1997, 55, 9969-9974.	3.2	36
815	Quantitative theory of diffraction by carbon nanotubes. Physical Review B, 1997, 56, 3571-3574.	3.2	81
816	Electronic properties of polygonal defects in graphitic carbon sheets. Physical Review B, 1997, 56, 1404-1411.	3.2	45
817	Chromium-containing metallic fibers confined within carbon nanotubes: Possibility of template-mediated crystal growth. Applied Physics Letters, 1997, 71, 623-625.	3.3	24
818	Optical anisotropy of dispersed carbon nanotubes induced by an electric field. Applied Physics Letters, 1997, 71, 1906-1908.	3.3	134
819	Nanotubules of bare boron clusters: Ab initio and density functional study. Europhysics Letters, 1997, 39, 527-532.	2.0	155
820	On the importance of quantum mechanics for nanotechnology. Nanotechnology, 1997, 8, 119-125.	2.6	23
821	Phonon Dispersion of an Epitaxial Monolayer Film of Hexagonal Boron Nitride on Ni(111). Physical Review Letters, 1997, 79, 4609-4612.	7.8	155

#	ARTICLE	IF	CITATIONS
822	Elastic Properties of Carbon Nanotubes and Nanoropes. Physical Review Letters, 1997, 79, 1297-1300.	7.8	1,458
823	Prediction of new sp ² /sp ³ hollow carbon crystals. Journal of Chemical Physics, 1997, 106, 2311-2316.	3.0	16
824	Nitrogen-containing carbon nanotubes. Journal of Materials Chemistry, 1997, 7, 2335-2337.	6.7	190
825	Electronic Structure and Localized States at Carbon Nanotube Tips. Physical Review Letters, 1997, 78, 2811-2814.	7.8	355
826	Collective resonances in carbon nanotubes. Physical Review B, 1997, 55, 7993-8003.	3.2	37
827	Effective Medium Theory of the Optical Properties of Aligned Carbon Nanotubes. Physical Review Letters, 1997, 78, 4289-4292.	7.8	262
828	Single-Electron Transport in Ropes of Carbon Nanotubes. Science, 1997, 275, 1922-1925.	12.6	1,278
829	The World's Smallest Gas Cylinders?. Science, 1997, 277, 933-936.	12.6	181
830	Synthesis of Nanoparticles and Nanotubes with Well-Separated Layers of Boron Nitride and Carbon. Science, 1997, 278, 653-655.	12.6	480
831	Crystallisation inside fullerene related structures. Journal of Materials Chemistry, 1997, 7, 1089-1095.	6.7	70
832	New Horizons in the Structure and Properties of Layered Materials. ACS Symposium Series, 1997, , 6-10.	0.5	0
833	Nonlinear Electron Transport Effects in a Chiral Carbon Nanotube. Physical Review Letters, 1997, 79, 1102-1105.	7.8	66
834	High power electrochemical capacitors based on carbon nanotube electrodes. Applied Physics Letters, 1997, 70, 1480-1482.	3.3	1,300
835	Overview of nanoelectronic devices. Proceedings of the IEEE, 1997, 85, 521-540.	21.3	302
836	Nanotube Nanodevice. Science, 1997, 278, 100-102.	12.6	869
837	TEM CHARACTERIZATION OF CALCIUM-OXYGEN NANORODS. Scripta Materialia, 1997, 8, 373-375.	0.5	17
838	High strain rate fracture and C-chain unraveling in carbon nanotubes. Computational Materials Science, 1997, 8, 341-348.	3.0	475
839	Nanotubes. Current Opinion in Solid State and Materials Science, 1997, 2, 706-715.	11.5	61

#	ARTICLE	IF	CITATIONS
840	Electron energy loss for isolated cylinders. Surface Science, 1997, 377-379, 294-300.	1.9	11
841	Short-range correlation effects on the plasmons in cylindrical tubules. Physical Review B, 1997, 55, 1361-1363.	3.2	12
842	Low-frequency plasmons in metallic carbon nanotubes. Physical Review B, 1997, 56, 1430-1439.	3.2	36
843	FUTURE DIRECTIONS IN CARBON SCIENCE. Annual Review of Materials Research, 1997, 27, 1-34.	5.5	94
844	Nanowire bonding with the scanning tunneling microscope. Surface Science, 1997, 386, 279-289.	1.9	6
845	Fibrilliform growth of carbon nanotubes. Materials Letters, 1997, 30, 311-314.	2.6	30
846	Synthesis of diamond from buckytubes by laser and quenching treatment. Materials Letters, 1997, 31, 79-82.	2.6	8
847	The optical response of carbon nanotubes. Synthetic Metals, 1997, 86, 2307-2308.	3.9	23
848	Comparative theoretical study of carbon nanotubes and boron-nitride nanotubes. Synthetic Metals, 1997, 86, 2379-2380.	3.9	16
849	Band theory and electronic structures of carbon nanotubes. Synthetic Metals, 1997, 89, 81-86.	3.9	12
850	Mechanical Properties of Carbon Nanotubes Inferred from TEM. Microscopy and Microanalysis, 1997, 3, 393-394.	0.4	0
851	Elastic properties of single and multilayered nanotubes. Journal of Physics and Chemistry of Solids, 1997, 58, 1649-1652.	4.0	225
852	The hrem observation of cross-sectional structure of carbon nanotubes. Journal of Physics and Chemistry of Solids, 1997, 58, 1887-1892.	4.0	31
853	Individual single-wall carbon nanotubes as quantum wires. Nature, 1997, 386, 474-477.	27.8	2,812
854	Bending and buckling of carbon nanotubes under large strain. Nature, 1997, 389, 582-584.	27.8	1,399
855	Controlled production of aligned-nanotube bundles. Nature, 1997, 388, 52-55.	27.8	763
856	Chemical properties of element 106 (seaborgium). Nature, 1997, 388, 55-57.	27.8	142
857	Model of a quantum well rolled up into a cylinder and its application to the calculation of the energy structure of tubelene. Technical Physics Letters, 1997, 23, 65-67.	0.7	2

#	ARTICLE	IF	CITATIONS
858	Characteristic features of the π -electron states of carbon nanotubes. Journal of Experimental and Theoretical Physics, 1997, 84, 1131-1137.	0.9	9
859	Characteristic features of the sorption of light atoms on the surface of a single-layer carbon tubelene. JETP Letters, 1997, 66, 841-846.	1.4	14
860	Microstructures of graphite spherulites grown in carbon-saturated liquid nickel matrix under high pressure. Scripta Materialia, 1997, 36, 1403-1408.	5.2	1
861	Protein arrays: Concepts and subjects. Advances in Biophysics, 1997, 34, 3-23.	0.5	20
862	Assembly of supramolecular polymers in ultrathin films. Progress in Polymer Science, 1997, 22, 247-311.	24.7	181
863	Carbon nanotubes films: electronic properties and their application as field emitters. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1997, 40, 418-420.	1.0	31
864	EELS investigation of plasmon excitations in aluminum nanospheres and carbon nanotubes. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1997, 40, 425-428.	1.0	28
865	Conductance of nano-tube junctions and its scaling law. Zeitschrift für Physik D-Atoms Molecules and Clusters, 1997, 40, 432-435.	1.0	15
866	Stability and vibrational spectra of toroidal isomers of C_{240} . Zeitschrift für Physik D-Atoms Molecules and Clusters, 1997, 41, 73-76.	1.0	3
867	Tight-binding modelling of materials. Reports on Progress in Physics, 1997, 60, 1447-1512.	20.1	489
868	On the production of different carbon forms by electric arc graphite evaporation. Zeitschrift für Elektrotechnik Und Elektrochemie, 1997, 101, 712-725.	0.9	30
869	Carbon Onions as Possible Carriers of the 2175 Å Interstellar Absorption Bump. Astrophysical Journal, 1997, 487, 719-727.	4.5	45
870	Impurity screening in carbon nanotubes. Physical Review B, 1997, 56, 4996-5002.	3.2	38
871	Carbon Nanotubes: The Fastest Growing Subfield of Nanostructured Materials. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, xiii-xviii.	0.6	1
872	CVD synthesis of carbon nanotubes. Journal of Materials Science Letters, 1997, 16, 457-459.	0.5	63
873	Carbon nanotubes transfer to diamond by laser irradiation. Journal of Materials Science Letters, 1997, 16, 402-403.	0.5	31
874	Carbon nanotubes production over Co/silica catalysts. Catalysis Letters, 1997, 48, 229-238.	2.6	61
875	Synthesis and Characterization of Metal-Carbide Clusters in the Gas Phase. Journal of Cluster Science, 1997, 8, 239-266.	3.3	53

#	ARTICLE	IF	CITATIONS
876	Energy-Related Applications of Nanostructured Carbons. , 1997, 1, 273-286.		12
877	Morphology, structure and Raman scattering of carbon nanotubes produced by using mesoporous materials. Science in China Series A: Mathematics, 1997, 40, 971-977.	0.5	5
878	Nanoscience and nanotechnology on the balance. Scientometrics, 1997, 38, 321-325.	3.0	161
879	A photoelectrochemical solar cell from camphoric p-carbon semiconductor. Solar Energy Materials and Solar Cells, 1997, 45, 35-41.	6.2	25
880	Self-assembly of peptide based nanotubes. Materials Science and Engineering C, 1997, 4, 207-212.	7.3	21
881	Structural studies on fullerenes. Progress in Crystal Growth and Characterization of Materials, 1997, 34, 11-23.	4.0	1
882	From C to negatively curved graphite. Progress in Crystal Growth and Characterization of Materials, 1997, 34, 25-36.	4.0	28
883	Carbon nanotubes: Novel architecture in nanometer space. Progress in Crystal Growth and Characterization of Materials, 1997, 34, 37-51.	4.0	30
884	Structural, microstructural and electronic characteristics of quasicrystalline and carbon containing fullerene (C) and graphitic tubule, solids. Progress in Crystal Growth and Characterization of Materials, 1997, 34, 53-80.	4.0	0
885	The transformation of fullerenes into diamond under different processing conditions. Journal of Materials Processing Technology, 1997, 63, 573-578.	6.3	29
886	Catalytic influence of bimetallic phases for the synthesis of single-walled carbon nanotubes. Journal of Molecular Catalysis A, 1997, 116, 397-403.	4.8	25
887	Correlated transport in carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 1997, 1, 313-316.	2.7	0
888	Optical-absorption spectra in armchair tubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 231, 259-264.	2.1	3
889	On the measurement of helicity of carbon nanotubes. Ultramicroscopy, 1997, 67, 181-189.	1.9	55
890	Nanodiffraction and dark-field STEM characterization of single-walled carbon nanotube ropes. Ultramicroscopy, 1997, 68, 1-12.	1.9	27
891	The Defect Character of Carbon Nanotubes and Nanoparticles. Acta Crystallographica Section A: Foundations and Advances, 1997, 53, 341-351.	0.3	7
892	Structure of carbon nanotube-based nanocomposites. Journal of Microscopy, 1997, 185, 275-282.	1.8	47
893	Carbon nanotubes and other graphitic structures as contaminants on evaporated carbon films. Journal of Microscopy, 1997, 186, 88-90.	1.8	21

#	ARTICLE	IF	CITATIONS
894	Fullerene and nanotube synthesis. plasma spectroscopy studies. Journal of Physics and Chemistry of Solids, 1997, 58, 1679-1683.	4.0	27
895	Stacking nature of graphene layers in carbon nanotubes and nanofibres. Journal of Physics and Chemistry of Solids, 1997, 58, 1707-1712.	4.0	153
896	The transformation of polyhedral particles into graphitic onions. Journal of Physics and Chemistry of Solids, 1997, 58, 1789-1796.	4.0	86
897	Electron microscopy of carbon nanotubules and related structures. Journal of Physics and Chemistry of Solids, 1997, 58, 1807-1813.	4.0	13
898	Carbon nanotubes as quantum wires on a cylinder surface. Solid State Communications, 1997, 102, 135-142.	1.9	18
899	Electronic transport in carbon nanotube junctions. Solid State Communications, 1997, 101, 601-605.	1.9	49
900	Symmetry, Space, Stars, and C ₆₀ (Nobel Lecture). Angewandte Chemie International Edition in English, 1997, 36, 1578-1593.	4.4	88
901	Immobilization of Platinated and Iodinated Oligonucleotides on Carbon Nanotubes. Angewandte Chemie International Edition in English, 1997, 36, 2198-2200.	4.4	118
902	Beltlike Aromatic Hydrocarbons by Metathesis Reaction with Tetradehydrodianthracene. Angewandte Chemie International Edition in English, 1997, 36, 2200-2202.	4.4	47
903	Electron field emitters based on carbon nanotube films. Advanced Materials, 1997, 9, 87-89.	21.0	179
904	Purification and size-selection of carbon nanotubes. Advanced Materials, 1997, 9, 827-831.	21.0	277
905	Solid-state Carbon Nitrides. Advanced Materials, 1997, 9, 877-886.	21.0	65
906	Symmetrie, Weltall, Sterne und C ₆₀ (Nobelvortrag). Angewandte Chemie, 1997, 109, 1648-1664.	2.0	26
907	Immobilisierung von platinieren und iodierten DNA-Oligomeren an Kohlenstoff-Nanoröhren. Angewandte Chemie, 1997, 109, 2291-2294.	2.0	16
908	Die chirale S _N 2-Achse in Sulfenamiden: Enantiomerentrennung, direkter Nachweis der optischen Aktivität und Kinetik der Enantiomerenumwandlung. Angewandte Chemie, 1997, 109, 2294-2297.	2.0	3
909	C ₁₄ -förmige aromatische Kohlenwasserstoffe durch Metathesereaktionen mit Tetradehydrodianthracen. Angewandte Chemie, 1997, 109, 2317-2319.	2.0	27
910	Density functional theory and pseudopotentials: A panacea for calculating properties of materials. International Journal of Quantum Chemistry, 1997, 61, 603-611.	2.0	9
911	Dihedral fullerenes: Open, closed, and pseudoclosed shell. International Journal of Quantum Chemistry, 1997, 62, 437-446.	2.0	1

#	ARTICLE	IF	CITATIONS
912	Alternant boron nitride cages: A theoretical study. International Journal of Quantum Chemistry, 1997, 63, 393-401.	2.0	56
913	Bond alternation in carbon nanotubes including π -electrons. International Journal of Quantum Chemistry, 1997, 63, 637-644.	2.0	32
914	Some cluster and condensed-phase properties of light elements: B to P. International Journal of Quantum Chemistry, 1997, 63, 695-707.	2.0	0
915	Accurate density-functional calculations on large systems. International Journal of Quantum Chemistry, 1997, 64, 193-203.	2.0	17
916	Effects of spiroconjugation in the electronic band structure of glitter. Carbon, 1997, 35, 1-16.	10.3	20
917	Interlayer interaction of two graphene sheets as a model of double-layer carbon nanotubes. Carbon, 1997, 35, 121-125.	10.3	52
918	Production of petal-like graphite sheets by hydrogen arc discharge. Carbon, 1997, 35, 153-158.	10.3	167
919	Carbonization and graphitization behavior of decacyclene. Carbon, 1997, 35, 253-258.	10.3	14
920	An investigation of the electron irradiation of graphite in a helium atmosphere using a modified electron microscope. Carbon, 1997, 35, 567-578.	10.3	21
921	Fluorination of carbon nanotubes. Carbon, 1997, 35, 723-728.	10.3	231
922	Preparation of high-grade carbon nanotubes by hydrogen arc discharge. Carbon, 1997, 35, 775-781.	10.3	147
923	Synthesis of nanotubes via catalytic pyrolysis of acetylene: A SEM study. Carbon, 1997, 35, 951-966.	10.3	49
924	Gasification behavior of carbon nanotubes. Carbon, 1997, 35, 977-981.	10.3	19
925	Growth of carbon nanotubes by catalytic decomposition of CH ₄ or CO on a Ni ⁺ -MgO catalyst. Carbon, 1997, 35, 1495-1501.	10.3	331
926	Encapsulation of TiC AND HfC crystallites within graphite cages by arc discharge. Carbon, 1997, 35, 1757-1763.	10.3	23
927	Thermal stability of carbon nanotubes under 5.5GPa. Carbon, 1997, 35, 1671-1673.	10.3	16
928	Carbon nanotubes: III. Toroidal structures and limits of a model for the construction of helical and S-shaped nanotubes. Carbon, 1997, 35, 497-505.	10.3	32
929	The first observation of carbon nanotubes. Carbon, 1997, 35, 581-584.	10.3	65

#	ARTICLE	IF	CITATIONS
930	Graphitic structure and surface chemical activity of nanosize carbon spheres. Carbon, 1997, 35, 419-426.	10.3	42
931	Disintegration of finite carbon chains in electric fields. Chemical Physics Letters, 1997, 264, 345-350.	2.6	20
932	An analytical approach for the interlayer interaction in spherical buckyonions. Chemical Physics Letters, 1997, 264, 351-358.	2.6	16
933	Field-induced unraveling of carbon nanotubes. Chemical Physics Letters, 1997, 265, 667-672.	2.6	34
934	Carbon nanotubes of polyethylene. Chemical Physics Letters, 1997, 266, 323-328.	2.6	81
935	Diameter doubling of single-wall nanotubes. Chemical Physics Letters, 1997, 266, 422-426.	2.6	138
936	Carbon nanotubes by the metallocene route. Chemical Physics Letters, 1997, 267, 276-280.	2.6	303
937	Helicity and packing of single-walled carbon nanotubes studied by electron nanodiffraction. Chemical Physics Letters, 1997, 268, 101-106.	2.6	76
938	Structure and formation of raft-like bundles of single-walled helical carbon nanotubes produced by laser evaporation. Chemical Physics Letters, 1997, 269, 65-71.	2.6	73
939	The formation, annealing and self-compression of carbon onions under electron irradiation. Chemical Physics Letters, 1997, 269, 349-355.	2.6	175
940	High-resolution transmission electron microscopy and energetics of flattened carbon nanoshells. Chemical Physics Letters, 1997, 277, 571-578.	2.6	16
941	Boron nitride nanotube growth defects and their annealing-out under electron irradiation. Chemical Physics Letters, 1997, 279, 191-196.	2.6	79
942	Heterogeneous growth of B _{1-x} C _x N nanotubes by laser ablation. Chemical Physics Letters, 1997, 279, 264-269.	2.6	209
943	Well-aligned graphitic nanofibers synthesized by plasma-assisted chemical vapor deposition. Chemical Physics Letters, 1997, 272, 178-182.	2.6	63
944	Carbon macrostructures obtained at AC arc discharge. Journal of Crystal Growth, 1997, 171, 111-118.	1.5	7
945	Encapsulation of carbides of chromium, molybdenum and tungsten in carbon nanocapsules by arc discharge. Journal of Crystal Growth, 1997, 172, 163-170.	1.5	43
946	Microstructure and formation mechanism of cylindrical and conical scrolls of the misfit layer compounds PbNbnS2n+1. Journal of Crystal Growth, 1997, 172, 433-439.	1.5	47
947	The encapsulation and in situ rearrangement of polycrystalline SnO inside carbon nanotubes. Journal of Crystal Growth, 1997, 173, 81-87.	1.5	34

#	ARTICLE	IF	CITATIONS
948	Mechanical properties of nanotubule fibers and composites determined from theoretical calculations and simulations. Carbon, 1998, 36, 1-9.	10.3	183
949	Synthesis of various forms of carbon nanotubes by AC arc discharge. Carbon, 1998, 36, 259-261.	10.3	51
950	Catalytic preparation of narrow pore size distribution mesoporous carbon. Carbon, 1998, 36, 269-275.	10.3	26
951	Raman identification of onion-like carbon. Carbon, 1998, 36, 821-826.	10.3	205
952	Raman studies on single walled carbon nanotubes produced by the electric arc technique. Carbon, 1998, 36, 705-708.	10.3	83
953	Boron nitride nanotubes. Carbon, 1998, 36, 743-752.	10.3	158
954	Fullerenes and nanotubes with non-positive Gaussian curvature. Carbon, 1998, 36, 725-730.	10.3	21
955	Scanning tunnelling microscopy (STM) imaging of carbon nanotubes. Carbon, 1998, 36, 689-696.	10.3	54
956	Scanning probe microscopy of carbon nanotubes. Carbon, 1998, 36, 697-700.	10.3	17
957	Reduced dimensionality in different forms of carbon. Carbon, 1998, 36, 487-493.	10.3	5
958	Structural and chemical characterization of N-doped nanocarbons. Carbon, 1998, 36, 731-741.	10.3	43
959	Electronic properties of tetrahedral amorphous carbon (ta-C) films containing nanotube regions. Carbon, 1998, 36, 575-579.	10.3	6
960	Vibrational spectra of single wall carbon nanotubes. Carbon, 1998, 36, 709-712.	10.3	42
961	In situ fullerene formation—The evidence presented. Carbon, 1998, 36, 1167-1173.	10.3	23
962	Dispersion and packing of carbon nanotubes. Carbon, 1998, 36, 1603-1612.	10.3	615
963	Electron spin resonance study of carbon nanotubes. Carbon, 1998, 36, 1649-1651.	10.3	28
964	Observations of a precursor for carbon nanotubes in the hard deposit obtained in dc arc experiments. Carbon, 1998, 36, 463-465.	10.3	1
965	Formation of carbon nanotubes and encapsulated nanoparticles from coals with moderate ash contents. Carbon, 1998, 36, 465-467.	10.3	36

#	ARTICLE	IF	CITATIONS
966	In-situ observation of formation of nanoscale carbon tubules. Carbon, 1998, 36, 1864-1865.	10.3	17
967	Fullerene macro structures. Chemical Physics Letters, 1998, 285, 1-6.	2.6	7
968	Microscopic determination of the interlayer binding energy in graphite. Chemical Physics Letters, 1998, 286, 490-496.	2.6	358
969	Preparation of aligned carbon nanotubes catalysed by laser-etched cobalt thin films. Chemical Physics Letters, 1998, 285, 299-305.	2.6	101
970	A molecular dynamics simulation of the fullerene formation process. Chemical Physics Letters, 1998, 286, 336-342.	2.6	133
971	A molecular dynamics demonstration of annealing to a perfect C60 structure. Chemical Physics Letters, 1998, 286, 343-349.	2.6	94
972	BaC ₆₀ , C ₆₀ N and BaC ₆₀ N nanotubes produced by the pyrolysis of precursor molecules over Co catalysts. Chemical Physics Letters, 1998, 287, 671-676.	2.6	280
973	Collapsing carbon nanotubes and diamond formation under shock waves. Chemical Physics Letters, 1998, 287, 689-693.	2.6	67
974	Influence of boron on carbon arc plasma and formation of fullerenes and nanotubes. Chemical Physics Letters, 1998, 289, 174-180.	2.6	24
975	X-ray spectroscopic and quantum chemical study of carbon tubes produced in arc-discharge. Chemical Physics Letters, 1998, 289, 341-349.	2.6	18
976	Graphitic hollow carbon calabashes. Chemical Physics Letters, 1998, 289, 189-192.	2.6	59
977	Bulk morphology and diameter distribution of single-walled carbon nanotubes synthesized by catalytic decomposition of hydrocarbons. Chemical Physics Letters, 1998, 289, 602-610.	2.6	297
978	Spontaneous formation of carbon nanotubes and polyhedra from cesium and amorphous carbon. Chemical Physics Letters, 1998, 292, 352-356.	2.6	21
979	Infrared active phonons in single-walled carbon nanotubes. Chemical Physics Letters, 1998, 294, 237-240.	2.6	97
980	Effect of chemical functionalization on the mechanical properties of carbon nanotubes. Chemical Physics Letters, 1998, 295, 273-278.	2.6	305
981	Laser-assisted production of multi-walled carbon nanotubes from acetylene. Chemical Physics Letters, 1998, 295, 525-530.	2.6	51
982	Theoretical bounds for multiwalled carbon nanotube growth. Chemical Physics Letters, 1998, 296, 471-476.	2.6	14
983	Measuring the true helicity of carbon nanotubes. Chemical Physics Letters, 1998, 297, 23-28.	2.6	27

#	ARTICLE	IF	CITATIONS
984	Formation of Twisted AB-Graphitic and Fullerene-Related Tubular Structures During Soot Deposition from the Flaming Combustion of Polymers. Combustion and Flame, 1998, 114, 591-593.	5.2	0
985	Plasma-induced low-temperature growth of graphitic nanofibers on nickel substrates. Journal of Crystal Growth, 1998, 193, 342-346.	1.5	24
986	The immobilisation of proteins in carbon nanotubes. Inorganica Chimica Acta, 1998, 272, 261-266.	2.4	270
987	Carbon “ From Space to Laboratory. Earth, Moon and Planets, 1998, 80, 179-207.	0.6	10
988	Processing of a carbon nanotubes-Fe82P18 metallic glass composite. Journal of Materials Science Letters, 1998, 17, 607-609.	0.5	11
989	Preparation and Formation Mechanism of Silicon Nanorods. Journal of Materials Science Letters, 1998, 17, 1897-1898.	0.5	5
990	Processing and properties of carbon nanotubes“nano-SiC ceramic. Journal of Materials Science, 1998, 33, 5243-5246.	3.7	317
991	Synthesis of Carbon Nanotubes by Arc Discharge in CF4Gas Atmosphere. Japanese Journal of Applied Physics, 1998, 37, 6492-6496.	1.5	12
992	Capillary Condensation of N2 on Multiwall Carbon Nanotubes. Journal of Physical Chemistry B, 1998, 102, 4689-4692.	2.6	156
993	Organically Pillared Micro- and Mesoporous Materials. Chemistry of Materials, 1998, 10, 2801-2810.	6.7	250
994	Quantitative density-functional study of nested fullerenes. Physical Review B, 1998, 57, 13339-13342.	3.2	38
995	Optimized geometries and electronic structures of graphyne and its family. Physical Review B, 1998, 58, 11009-11014.	3.2	614
996	Formation of Titanium Oxide Nanotube. Langmuir, 1998, 14, 3160-3163.	3.5	2,330
997	Structure and stability of finite gold nanowires. Physical Review B, 1998, 58, 15412-15415.	3.2	73
998	Berry's Phase and Absence of Back Scattering in Carbon Nanotubes. Journal of the Physical Society of Japan, 1998, 67, 2857-2862.	1.6	689
999	First-principles calculations of the radial breathing mode of single-wall carbon nanotubes. Physical Review B, 1998, 58, R8869-R8872.	3.2	294
1000	The Doping Effect of Copper on the Catalytic Growth of Carbon Fibers from Methane over a Ni/Al2O3Catalyst Prepared from Feitknecht Compound Precursor. Journal of Catalysis, 1998, 178, 76-83.	6.2	104
1001	Very long carbon nanotubes. Nature, 1998, 394, 631-632.	27.8	345

#	ARTICLE	IF	CITATIONS
1002	Switch from specialized to generalized pollination. Nature, 1998, 394, 632-632.	27.8	137
1003	Carbon nano-cages created as cubes. Nature, 1998, 392, 237-237.	27.8	100
1004	Tight knot values deviate from linear relations. Nature, 1998, 392, 237-238.	27.8	80
1005	Electronic structure of atomically resolved carbon nanotubes. Nature, 1998, 391, 59-62.	27.8	2,898
1006	Broken symmetry and pseudogaps in ropes of carbon nanotubes. Nature, 1998, 391, 466-468.	27.8	348
1007	Quantized conductance through individual rows of suspended gold atoms. Nature, 1998, 395, 780-783.	27.8	1,325
1008	Raman scattering of light and IR absorption in carbon nanotubes. Journal of Experimental and Theoretical Physics, 1998, 86, 1030-1034.	0.9	8
1009	Carbon Nanotubes: Molecular Electronic Components. Annals of the New York Academy of Sciences, 1998, 852, 178-187.	3.8	5
1010	Fullerene-based materials as new support media in heterogeneous catalysis by metals. Applied Catalysis A: General, 1998, 173, 175-183.	4.3	140
1011	SMALL BAND-GAP GRAPHITIC CBN LAYERS. Journal of Physics and Chemistry of Solids, 1998, 59, 1303-1308.	4.0	22
1012	Stress calculations for carbon nanotubes. Thin Solid Films, 1998, 312, 11-14.	1.8	73
1013	Characterization of porous carbons with high resolution ^{13}C -analysis and low temperature magnetic susceptibility. Advances in Colloid and Interface Science, 1998, 76-77, 295-320.	14.7	149
1014	Hollow and filled rectangular parallelepiped carbon nanocapsules catalyzed by calcium and strontium. Journal of Crystal Growth, 1998, 187, 402-409.	1.5	5
1015	Channeling of fast charged and neutral particles in nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 250, 360-368.	2.1	96
1016	Carbon Structures Obtained By the Disproportionation of Carbon Monoxide over Nickel Catalysts. Materials Research Bulletin, 1998, 33, 663-667.	5.2	8
1017	MNDO treatment of the Hückel and Möbius types of cyclacenes. Computational and Theoretical Chemistry, 1998, 454, 83-86.	1.5	49
1019	Peptide Nanotubes and Beyond. Chemistry - A European Journal, 1998, 4, 1367-1372.	3.3	247
1020	Redox-Active Nanotubes of Vanadium Oxide. Angewandte Chemie - International Edition, 1998, 37, 1263-1265.	13.8	366

#	ARTICLE	IF	CITATIONS
1021	Crystallization of a Liquid (or a Glass) Contained within a Nanotube. Physica Status Solidi A, 1998, 166, 529-540.	1.7	1
1022	High resolution transmission electron microscopic study of some low-dimensional nanostructures. Microscopy Research and Technique, 1998, 40, 163-176.	2.2	5
1023	The far-reaching nature of microtube technology. Materials Research Innovations, 1998, 2, 87-96.	2.3	19
1024	Synthesis of multi-walled and single-walled nanotubes, aligned-nanotube bundles and nanorods by employing organometallic precursors. Materials Research Innovations, 1998, 2, 128-141.	2.3	76
1025	Stability of metallofullerenes following neutron capture reaction on the metal ion. Journal of Radioanalytical and Nuclear Chemistry, 1998, 234, 95-100.	1.5	13
1026	Structure and electrical resistivity of the Al-carbon nanotube composites. Metals and Materials International, 1998, 4, 620-623.	0.2	7
1027	Large-scale preparation of dispersive carbon nanotubes by arc-discharge method. Science in China Series A: Mathematics, 1998, 41, 431-437.	0.5	2
1028	Geometric boundary effects on the electronic properties of finite carbon nanotubes. Journal of Physics and Chemistry of Solids, 1998, 59, 417-423.	4.0	43
1029	Topological isomerism : Should rotaxanes, endohedral fullerene complexes and in-out isomers of hydrogenated fullerenes be considered as such?. Tetrahedron, 1998, 54, 2917-2930.	1.9	24
1030	Electrolytic conversion of graphite to carbon nanotubes in fused salts. Journal of Electroanalytical Chemistry, 1998, 446, 1-6.	3.8	70
1031	Thermal stability of crystalline thin films. Thin Solid Films, 1998, 312, 357-361.	1.8	114
1032	Electron diffraction study of single-wall carbon nanotubes. Solid State Communications, 1998, 105, 145-149.	1.9	41
1033	Electronic excitations of an electron-gas cylinder bundle. Solid State Communications, 1998, 105, 161-164.	1.9	1
1034	Measurement of the elastic modulus of a multi-wall boron nitride nanotube. Solid State Communications, 1998, 105, 297-300.	1.9	546
1035	Synthesis of nano-scale silicon wires by excimer laser ablation at high temperature. Solid State Communications, 1998, 105, 403-407.	1.9	172
1036	Synthesis of SiC nanorod within a SiO_2 nanorod one dimensional composite nanostructures. Solid State Communications, 1998, 106, 215-219.	1.9	31
1037	Electronic structures of chiral carbon toroids. Solid State Communications, 1998, 107, 227-231.	1.9	25
1038	The future of the fullerenes. Solid State Communications, 1998, 107, 597-606.	1.9	164

#	ARTICLE	IF	CITATIONS
1039	Predicting new materials and their properties. Solid State Communications, 1998, 107, 589-596.	1.9	8
1040	Symmetry effect on the optical properties of armchair and zigzag nanotubes. Solid State Communications, 1998, 107, 791-795.	1.9	2
1041	Comparison of electronic structures of single-wall carbon nanotubes and Br-doped counterparts. Solid State Communications, 1998, 108, 27-31.	1.9	0
1042	Developments and perspectives of scanning probe microscopy (SPM) on organic materials systems. Materials Science and Engineering Reports, 1998, 21, 221-295.	31.8	56
1043	Carbon nanotubesâ€“Feâ€“alumina nanocomposites. Part I: influence of the Fe content on the synthesis of powders. Journal of the European Ceramic Society, 1998, 18, 1995-2004.	5.7	102
1044	Carbon nanotubesâ€“Feâ€“Alumina nanocomposites. Part II: microstructure and mechanical properties of the hot-Pressed composites. Journal of the European Ceramic Society, 1998, 18, 2005-2013.	5.7	184
1045	Effect of dimensionality in polymeric fullerenes and single-wall nanotubes. Physica B: Condensed Matter, 1998, 244, 186-191.	2.7	15
1046	Theoretical study of third-order nonlinear optical response of semiconductor carbon nanotubes. Physica B: Condensed Matter, 1998, 245, 173-189.	2.7	118
1047	Scattering by topological disorder in connected carbon nanotubes in magnetic fields. Physica B: Condensed Matter, 1998, 249-251, 136-139.	2.7	5
1048	Nanostructures of functional block copolymers. Current Opinion in Colloid and Interface Science, 1998, 3, 200-208.	7.4	50
1049	Formation of giant onion-like fullerenes under Al nanoparticles by electron irradiation. Acta Materialia, 1998, 46, 5249-5257.	7.9	83
1050	A Silver(I) Complex of a Tube-Shaped Hydrocarbon. Acta Crystallographica Section C: Crystal Structure Communications, 1998, 54, 1078-1081.	0.4	15
1051	Manganese(II) Triphenylacetate Hydrate, a Manganese(II) Complex with a Chain Structure. Acta Crystallographica Section C: Crystal Structure Communications, 1998, 54, 1081-1083.	0.4	3
1052	Field emission from carbon nanotubes; purified single-walled and multi-walled tubes. Ultramicroscopy, 1998, 73, 1-6.	1.9	84
1053	The atom number, symmetry and cap effects on the optical-absorption spectra of C60-derived nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 241, 274-280.	2.1	2
1054	Synthesis of carbon nanostructures by ion sputtering. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 242, 261-265.	2.1	10
1055	Lithium insertion into CuO/carbon nanotubes. Journal of Power Sources, 1998, 75, 175-179.	7.8	119
1056	Field emission of carbon nanotubes on Mo tip. Materials Letters, 1998, 37, 116-118.	2.6	6

#	ARTICLE	IF	CITATIONS
1057	Contacting carbon nanotubes selectively with low-ohmic contacts for four-probe electric measurements. Applied Physics Letters, 1998, 73, 274-276.	3.3	294
1058	Carbon Nanotube Quantum Resistors. Science, 1998, 280, 1744-1746.	12.6	1,904
1059	Synthesis of Large Arrays of Well-Aligned Carbon Nanotubes on Glass. , 1998, 282, 1105-1107.		2,324
1060	Microstructural characterization of amorphous SiO ₂ wrapped β -SiC nanowhiskers. Scripta Materialia, 1998, 10, 601-606.	0.5	5
1061	Properties of silicon-carbon mixed clusters: A systematic abinitio study. Scripta Materialia, 1998, 10, 1317-1330.	0.5	7
1062	Silver nanoparticles encapsulated in carbon cages obtained by co-sputtering of the metal and graphite. Surface Science, 1998, 409, 358-371.	1.9	74
1063	Study of single and multiple foldings of graphitic sheets. Surface Science, 1998, 407, 1-6.	1.9	60
1064	Alignment of carbon nanotubes in a polymer matrix by mechanical stretching. Applied Physics Letters, 1998, 73, 1197-1199.	3.3	651
1065	Coaxial Nanocable: Silicon Carbide and Silicon Oxide Sheathed with Boron Nitride and Carbon. , 1998, 281, 973-975.		491
1066	Monte Carlo simulations of hydrogen adsorption in single-walled carbon nanotubes. Journal of Chemical Physics, 1998, 109, 4981-4984.	3.0	397
1067	IR plasmons in carbon nanotube bundles. Physical Review B, 1998, 57, 10183-10187.	3.2	31
1068	Pressure Dependence of the Structures of Carbonaceous Deposits Formed by Laser Ablation on Targets Composed of Carbon, Nickel, and Cobalt. Journal of Physical Chemistry B, 1998, 102, 4892-4896.	2.6	93
1069	The Role of Boron Nitride in Graphite Plasma Arcs. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 787-800.	0.6	27
1070	Effect of external electric field on the growth of nanotubules. Applied Physics Letters, 1998, 72, 1685-1687.	3.3	13
1071	Spatial structure of carbon nanotubes produced in arc discharge. , 1998, , .		0
1072	Site-selective radiation damage of collapsed carbon nanotubes. Applied Physics Letters, 1998, 73, 2435-2437.	3.3	30
1073	Formation of carbon onions with Pd clusters in a high-resolution electron microscope. Journal of Materials Chemistry, 1998, 8, 2113-2117.	6.7	28
1074	Energy-Band Structure Features of Some Crimped-Shape Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 499-509.	0.6	5

#	ARTICLE	IF	CITATIONS
1075	Synthesis of carbon nanotubeâ€“Fe-Al ₂ O ₃ nanocomposite powders by selective reduction of different Al _{1.8} Fe _{0.2} O ₃ solid solutions. Journal of Materials Chemistry, 1998, 8, 1263-1272.	6.7	58
1076	Experimental and Theoretical Studies of Microstructural Instabilities in WS ₂ Undergoing Electron Irradiation. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 1025-1035.	0.6	17
1077	Purification of catalytically produced multi-wall nanotubes. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 3753-3758.	1.7	96
1078	Spiral Coding of Leapfrog Polyhedra. Journal of Chemical Information and Computer Sciences, 1998, 38, 463-468.	2.8	8
1079	Carbon nanotubes and their recent developments. , 0, , .		2
1080	Ionophores and receptors using cation-Â interactions: Collarenes. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 12094-12099.	7.1	137
1081	Electronic Structure of InXNa ₆₀ -X Fullerenes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 885-898.	0.6	0
1082	Metal nanoparticles for the catalytic synthesis of carbon nanotubes. New Journal of Chemistry, 1998, 22, 1229-1237.	2.8	107
1083	3D Silicon oxide nanostructures: from nanoflowers to radiolaria. Journal of Materials Chemistry, 1998, 8, 1859-1864.	6.7	107
1084	A new and easy method for making micrometer-sized carbon tubes. Chemical Communications, 1998, , 2087-2088.	4.1	25
1085	Formation of carbon nanocapsules with SiC nanoparticles prepared by polymer pyrolysis. Journal of Materials Chemistry, 1998, 8, 1323-1325.	6.7	35
1086	Balloon-shaped graphitic-carbon material induced by shock-compression of dehydrochlorinated poly(vinylidene chloride). Journal of Materials Chemistry, 1998, 8, 2725-2728.	6.7	1
1087	Resolution and circular dichroism of an asymmetrically cage-opened [60]fullerene derivative. Chemical Communications, 1998, , 281-282.	4.1	20
1088	Evaluation of Young's Modulus of Carbon Nanotubes by Micro-Raman Spectroscopy. Journal of Materials Research, 1998, 13, 2418-2422.	2.6	470
1089	Equilibrium Geometry and Properties Of Cyclo[(Gly-d-Ala) ₄] and {Cyclo[(Gly-d-Ala) ₄]} ₂ from Density Functional Theory. Journal of Physical Chemistry A, 1998, 102, 9858-9862.	2.5	31
1090	Synthesis of boron nitride nanotubes by means of excimer laser ablation at high temperature. Applied Physics Letters, 1998, 72, 1966-1968.	3.3	228
1091	Structure, Stability, and Bonding of BC ₂ N:Â An ab Initio Study. Journal of Physical Chemistry A, 1998, 102, 10134-10141.	2.5	27
1092	Effects of Nanodomain Formation on the Electronic Structure of Doped Carbon Nanotubes. Physical Review Letters, 1998, 81, 2332-2335.	7.8	305

#	ARTICLE	IF	CITATIONS
1093	Cathode Ray Tube Lighting Elements with Carbon Nanotube Field Emitters. Japanese Journal of Applied Physics, 1998, 37, L346-L348.	1.5	398
1094	Simulations of Binary Mixture Adsorption in Carbon Nanotubes: Transitions in Adsorbed Fluid Composition. Langmuir, 1998, 14, 880-890.	3.5	57
1095	Langmuir-Blodgett Films of Matrix-Diluted Single-Walled Carbon Nanotubes. Chemistry of Materials, 1998, 10, 2338-2340.	6.7	131
1096	Porous Silica of Self-Similar Morphology. Langmuir, 1998, 14, 3041-3044.	3.5	8
1097	Stability and cap formation mechanism of single-walled carbon nanotubes. Physical Review B, 1998, 58, 7407-7411.	3.2	60
1098	Nanoparticles of Layered Compounds with Hollow Cage Structures (Inorganic Fullerene-Like) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	6.7	280
1099	Catalytic Behavior of Graphite Nanofiber Supported Nickel Particles. 2. The Influence of the Nanofiber Structure. Journal of Physical Chemistry B, 1998, 102, 5168-5177.	2.6	154
1100	Lattice dynamics study of zigzag and armchair carbon nanotubes. Physical Review B, 1998, 57, 6689-6696.	3.2	55
1101	Electronic Structure of (n,0) Zigzag Carbon Nanotubes: Cluster and Crystal Approach. Journal of Physical Chemistry A, 1998, 102, 975-981.	2.5	66
1102	Quantum Transport in Two-Dimensional Graphite System. Journal of the Physical Society of Japan, 1998, 67, 2421-2429.	1.6	583
1103	First-Principles Simulations of Endohedral Bromine in BC ₃ Nanotubes. Journal of Physical Chemistry B, 1998, 102, 1568-1570.	2.6	12
1104	Atomic structure and electronic properties of single-wall carbon nanotubes probed by scanning tunneling microscope at room temperature. Applied Physics Letters, 1998, 73, 3839-3841.	3.3	93
1105	Multicomponent Molecular Conductors with Supramolecular Assembly: Iodine-Containing Neutral Molecules as Building Blocks. Journal of the American Chemical Society, 1998, 120, 5905-5913.	13.7	179
1106	Effective-Mass Theory of Carbon Nanotube Junctions. Journal of the Physical Society of Japan, 1998, 67, 3542-3551.	1.6	67
1107	Nanoscale Electroless Metal Deposition in Aligned Carbon Nanotubes. Chemistry of Materials, 1998, 10, 1963-1967.	6.7	157
1108	Octahedral boron nitride fullerenes formed by electron beam irradiation. Applied Physics Letters, 1998, 73, 2441-2443.	3.3	357
1109	Electronic and structural properties of multiwall carbon nanotubes. Physical Review B, 1998, 58, R16001-R16004.	3.2	241
1110	Broadband optical limiting with multiwalled carbon nanotubes. Applied Physics Letters, 1998, 73, 3632-3634.	3.3	215

#	ARTICLE	IF	CITATIONS
1111	Effect of annealing on the structure and magnetic properties of graphite encapsulated nickel and cobalt nanocrystals. Journal of Applied Physics, 1998, 83, 793-801.	2.5	106
1112	Carbon Deposition and Hydrocarbon Formation on Group VIII Metal Catalysts. Journal of Physical Chemistry B, 1998, 102, 4165-4175.	2.6	134
1113	A nanotube-based field-emission flat panel display. Applied Physics Letters, 1998, 72, 2912-2913.	3.3	637
1114	Platinum Deposition on Carbon Nanotubes via Chemical Modification. Chemistry of Materials, 1998, 10, 718-722.	6.7	479
1115	Small Carbon Clusters: Spectroscopy, Structure, and Energetics. Chemical Reviews, 1998, 98, 2313-2358.	47.7	567
1116	Orientation and purification of carbon nanotubes using ac electrophoresis. Journal Physics D: Applied Physics, 1998, 31, L34-L36.	2.8	346
1117	Kinetics of Nested Inorganic Fullerene-like Nanoparticle Formation. Journal of the American Chemical Society, 1998, 120, 4176-4183.	13.7	73
1118	Silicon nanowires prepared by laser ablation at high temperature. Applied Physics Letters, 1998, 72, 1835-1837.	3.3	519
1119	Continuum methods of mechanics as a simplified approach to structural engineering of nanostructures. Nanotechnology, 1998, 9, 30-36.	2.6	87
1120	Reactions of Transition Metal Complexes with Fullerenes (C60, C70, etc.) and Related Materials. Chemical Reviews, 1998, 98, 2123-2166.	47.7	496
1121	Mono-sized single-wall carbon nanotubes formed in channels of AlPO4-5 single crystal. Applied Physics Letters, 1998, 73, 2287-2289.	3.3	190
1122	Manipulation of graphitic sheets using a tunneling microscope. Journal of Applied Physics, 1998, 83, 4695-4699.	2.5	44
1123	Persistent currents in toroidal carbon nanotubes. Physical Review B, 1998, 57, 6731-6737.	3.2	104
1124	Synthesis of boron nitride nanotubes from carbon nanotubes by a substitution reaction. Applied Physics Letters, 1998, 73, 3085-3087.	3.3	435
1125	Low-frequency optical excitations in zigzag carbon tori. Physical Review B, 1998, 58, 3629-3632.	3.2	17
1126	Growth of highly oriented carbon nanotubes by plasma-enhanced hot filament chemical vapor deposition. Applied Physics Letters, 1998, 73, 3845-3847.	3.3	269
1127	Theoretical investigation of carbon nets and molecules. Theoretical and Computational Chemistry, 1998, , 381-404.	0.4	8
1128	Environment Effects on the Electronic Properties of Carbon Fullerenes: A Local Approach. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 769-786.	0.6	1

#	ARTICLE	IF	CITATIONS
1129	<i>In-situ</i> observed deformation of carbon nanotubes. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1998, 77, 1461-1469.	0.6	53
1130	Fused fullerenes and multiply connected carbon clusters: Proposed new forms of carbon. Physical Review B, 1998, 57, 4063-4066.	3.2	7
1131	APPLIED PHYSICS: Nanowires: Small Is Beautiful. Science, 1998, 280, 545-546.	12.6	122
1132	Carbon in the Universe. Science, 1998, 282, 2204-2210.	12.6	330
1133	Cylindrical β -Sheet Peptide Assemblies. Journal of the American Chemical Society, 1998, 120, 8949-8962.	13.7	178
1134	π -band contribution to the optical properties of carbon nanotubes: Effects of chirality. Physical Review B, 1998, 57, 9301-9318.	3.2	139
1135	Mechanism of strain release in carbon nanotubes. Physical Review B, 1998, 57, R4277-R4280.	3.2	441
1136	Plastic Deformations of Carbon Nanotubes. Physical Review Letters, 1998, 81, 5346-5349.	7.8	231
1137	Machine phase fullerene nanotechnology. Nanotechnology, 1998, 9, 192-199.	2.6	33
1138	Conductivity and atomic structure of isolated multiwalled carbon nanotubes. Europhysics Letters, 1998, 43, 89-94.	2.0	61
1139	Growing carbon nanotubes by microwave plasma-enhanced chemical vapor deposition. Applied Physics Letters, 1998, 72, 3437-3439.	3.3	151
1140	Effective electronic response of a system of metallic cylinders. Physical Review B, 1998, 57, 15261-15266.	3.2	33
1141	Is 2-D Graphite an Ultimate Large Hydrocarbon? 1. Energy Spectra of Giant Polycyclic Aromatic Hydrocarbons. Journal of Physical Chemistry B, 1998, 102, 10183-10189.	2.6	42
1142	Cones and Tubes: Geometry in the Chemistry of Carbon. Accounts of Chemical Research, 1998, 31, 558-566.	15.6	71
1143	Theoretical study of the structural and electronic properties of GaSe nanotubes. Physical Review B, 1998, 58, R4277-R4280.	3.2	129
1144	Thermoelectric Power of Single-Walled Carbon Nanotubes. Physical Review Letters, 1998, 80, 1042-1045.	7.8	262
1145	Elastic Properties of C and BxCyNz Composite Nanotubes. Physical Review Letters, 1998, 80, 4502-4505.	7.8	1,210
1146	Energetics, structure, mechanical and vibrational properties of single-walled carbon nanotubes. Nanotechnology, 1998, 9, 184-191.	2.6	448

#	ARTICLE	IF	CITATIONS
1147	Multiprobe Transport Experiments on Individual Single-Wall Carbon Nanotubes. Physical Review Letters, 1998, 80, 4036-4039.	7.8	297
1148	Large-scale and low-cost synthesis of single-walled carbon nanotubes by the catalytic pyrolysis of hydrocarbons. Applied Physics Letters, 1998, 72, 3282-3284.	3.3	678
1149	Buckling and Collapse of Embedded Carbon Nanotubes. Physical Review Letters, 1998, 81, 1638-1641.	7.8	627
1150	Local Electronic Structure in Ordered Aggregates of Carbon Nanotubes: Scanning Tunneling Microscopy/scanning Tunneling Spectroscopy Study. Journal of Materials Research, 1998, 13, 2389-2395.	2.6	10
1151	Do Carbon Nanotubes Spin When Bundled?. Journal of Materials Research, 1998, 13, 2363-2367.	2.6	13
1152	Tailoring Carbon Nanoclusters to Desired Morphologies. Journal of Materials Research, 1998, 13, 2438-2444.	2.6	2
1153	Nanomanipulation Experiments Exploring Frictional and Mechanical Properties of Carbon Nanotubes. Microscopy and Microanalysis, 1998, 4, 504-512.	0.4	65
1154	Carbon Nanotubes on SiC Powder Surface Grown by a Vacuum Heating Process. Japanese Journal of Applied Physics, 1998, 37, L187-L189.	1.5	20
1155	Surface Superstructure of Carbon Nanotubes on Highly Oriented Pyrolytic Graphite Annealed at Elevated Temperatures. Japanese Journal of Applied Physics, 1998, 37, 3809-3811.	1.5	28
1156	Fullerene-derived molecular electronic devices. Semiconductor Science and Technology, 1998, 13, A51-A54.	2.0	2
1157	Sponge of Purified Carbon Nanotubes. Japanese Journal of Applied Physics, 1998, 37, L61-L63.	1.5	33
1158	Growth of tungsten carbide nano-needle and its application as a scanning tunnelling microscope tip. Journal Physics D: Applied Physics, 1998, 31, L49-L51.	2.8	27
1159	Nanoscale electronic devices on carbon nanotubes. Nanotechnology, 1998, 9, 153-157.	2.6	57
1160	An analysis of the magnetic ground state in molecules. Journal of Physics Condensed Matter, 1998, 10, 4015-4025.	1.8	0
1161	Aligned Carbon Nanotube Film Self-Organized on a SiC Wafer. Japanese Journal of Applied Physics, 1998, 37, L605-L606.	1.5	58
1162	Mössbauer Study of Catalytically Grown Carbon Nanotube. Chinese Physics Letters, 1998, 15, 68-69.	3.3	4
1163	Density distributions of diatoms in carbon nanotubes: A grand canonical Monte Carlo study. Journal of Chemical Physics, 1998, 109, 4576-4586.	3.0	27
1164	Growth of carbon nanotubes on cobalt disilicide precipitates by chemical vapor deposition. Applied Physics Letters, 1998, 72, 3297-3299.	3.3	44

#	ARTICLE	IF	CITATIONS
1165	Raman Spectra and X-Ray Diffraction Patterns of Carbon Nanotubes Prepared by Hydrogen Arc Discharge. Japanese Journal of Applied Physics, 1998, 37, 4846-4849.	1.5	89
1166	Radial compression and controlled cutting of carbon nanotubes. Journal of Chemical Physics, 1998, 109, 2509-2512.	3.0	60
1167	Electron field emission from phase pure nanotube films grown in a methane/hydrogen plasma. Applied Physics Letters, 1998, 73, 2113-2115.	3.3	191
1168	Peptide nanotubes: An inert environment. Physical Review B, 1998, 58, R16009-R16011.	3.2	27
1169	Atomic resolution STM imaging of a twisted single-wall carbon nanotube. Physical Review B, 1998, 58, R4266-R4269.	3.2	91
1170	Reversible bending of carbon nanotubes using a transmission electron microscope. Applied Physics Letters, 1998, 73, 1961-1963.	3.3	41
1171	Carbon Nanotubes Prepared by Catalytic Decomposition of Benzene Over Silica Supported Cobalt Catalysts. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 853-866.	0.6	9
1172	Scaling and criticality of the Kondo effect in a Luttinger liquid. Physical Review B, 1998, 57, 10620-10629.	3.2	22
1173	Optical properties of carbon nanotubes. Physical Review B, 1998, 58, 6756-6759.	3.2	95
1174	Plasmon excitations in graphitic carbon spheres. Physical Review B, 1998, 57, 15599-15612.	3.2	40
1175	Bond-charge-model calculation of vibrational properties in small carbon aggregates: From spherical clusters to linear chains. Physical Review B, 1998, 58, 11000-11008.	3.2	6
1176	Effect of intertube coupling on the electronic structure of carbon nanotube ropes. Physical Review B, 1998, 58, R13314-R13317.	3.2	130
1177	Electronic and optical properties of finite zigzag carbon nanotubes with and without Coulomb interaction. Physical Review B, 1998, 57, 9343-9348.	3.2	26
1178	Relations between global and local topology in multiple nanotube junctions. Physical Review B, 1998, 58, 12671-12671.	3.2	49
1179	Field emission from aligned high-density graphitic nanofibers. Applied Physics Letters, 1998, 73, 2119-2121.	3.3	118
1180	Nonequilibrium Transport for Crossed Luttinger Liquids. Physical Review Letters, 1998, 80, 2881-2884.	7.8	42
1181	Formation of carbon nanotubes and their filling with metallic fibers on ion-emitting field anodes. Journal of Applied Physics, 1998, 84, 1626-1631.	2.5	23
1182	Carbon Atomic Chain Formation on the $\text{SiC}(100)$ Surface by Controlled sp^3 Transformation. Physical Review Letters, 1998, 81, 5868-5871.	7.8	66

#	ARTICLE	IF	CITATIONS
1183	Frustration Effects and Microscopic Growth Mechanisms for BN Nanotubes. Physical Review Letters, 1998, 80, 1666-1669.	7.8	163
1184	Lip-Lip Interactions and the Growth of Multiwalled Carbon Nanotubes. Physical Review Letters, 1998, 80, 313-316.	7.8	91
1185	Magnetoresistance of an entangled single-wall carbon-nanotube network. Physical Review B, 1998, 58, 16064-16069.	3.2	102
1186	Silver-filled carbon nanotubes used as spectroscopic enhancers. Physical Review B, 1998, 58, 6783-6786.	3.2	44
1187	Correlation effects of single-wall carbon nanotubes in weak coupling. Physical Review B, 1998, 58, 4963-4971.	3.2	35
1188	Analysis of quantum conductance of carbon nanotube junctions by the effective-mass approximation. Physical Review B, 1998, 58, 8120-8124.	3.2	39
1189	Boron-doped carbon fullerenes and nanotubules formed through electron irradiation-induced solid-state phase transformation. Applied Physics Letters, 1998, 72, 2108-2110.	3.3	40
1190	Heat capacity and vibrational spectra of monolayer films adsorbed in nanotubes. Physical Review B, 1998, 58, R13426-R13429.	3.2	16
1191	Synthesis, Structure, and Superconducting Properties of Tantalum Carbide Nanorods and Nanoparticles. Journal of Materials Research, 1998, 13, 2465-2471.	2.6	62
1192	Fullerenes with Non-Positive Gaussian Curvature: Holey-Balls and Holey-Tubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 751-767.	0.6	4
1193	Inclusion-Dissociation Transition in the Complex Formation between Molecular Nanotubes and Linear Polymer Chains in Solutions. Physical Review Letters, 1998, 80, 5003-5006.	7.8	40
1194	Mechanical relaxation and "intramolecular plasticity" in carbon nanotubes. Applied Physics Letters, 1998, 72, 918-920.	3.3	326
1195	Size Effects in Carbon Nanotubes. Physical Review Letters, 1998, 81, 1869-1872.	7.8	302
1196	Thermoelectric power behavior in carbon nanotubule bundles from 4.2 to 300 K. Physical Review B, 1998, 58, 1166-1168.	3.2	39
1197	Carbon Nanotube Based Molecular Electronic Devices. Journal of Materials Research, 1998, 13, 2357-2362.	2.6	55
1198	Impurity Scattering in Carbon Nanotubes "Absence of Back Scattering". Journal of the Physical Society of Japan, 1998, 67, 1704-1713.	1.6	447
1199	A Periodic Table in Three Dimensions: A Sightseeing Tour in the Nanometer World. Advances in Quantum Chemistry, 1998, , 235-272.	0.8	11
1200	The Study on the Filling of Atoms in a Carbon Nanotube. International Journal of Modern Physics B, 1998, 12, 1601-1606.	2.0	9

#	ARTICLE	IF	CITATIONS
1201	Preparation, morphology, and microstructure of diameter-controllable vapor-grown carbon nanofibers. Journal of Materials Research, 1998, 13, 2342-2346.	2.6	69
1202	Preparation of SiC Nanorods with and Without Amorphous SiO_2 Wrapping Layers. Journal of Materials Research, 1998, 13, 2533-2538.	2.6	161
1203	Carbon Nanotube Formation over Supported Catalysts. Molecular Crystals and Liquid Crystals, 1998, 310, 179-184.	0.3	3
1204	A Simple and Novel Way to Synthesize Aligned Nanotube Bundles at Low Temperature. Japanese Journal of Applied Physics, 1998, 37, L1257-L1259.	1.5	69
1205	Field emission characterization of carbon nanostructures for cold cathode applications. , 0, , .		0
1206	Structure of Annealed Multishell Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 649-662.	0.6	0
1207	Magnetic Properties of Toroidal Carbon Nanotubes. Journal of the Physical Society of Japan, 1998, 67, 1094-1097.	1.6	28
1208	Precipitation of carbon nanoparticles encapsulating silicon carbide from molten oxide. Journal of Materials Research, 1998, 13, 2039-2041.	2.6	0
1209	Formation of graphite encapsulated ferromagnetic particles and a mechanism for their growth. Journal of Materials Research, 1998, 13, 2139-2143.	2.6	12
1210	Atomic and Electronic Structures of Deformed Graphite Sheets. Journal of the Physical Society of Japan, 1998, 67, 3976-3984.	1.6	8
1211	Raman Investigation of Singlewalled Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 1998, 322, 71-78.	0.3	2
1212	Carbon nanotubes: new material applied to field emission display . , 1998, , .		1
1213	Purification of Carbon Nanotube by Wet Oxidation.. Kagaku Kogaku Ronbunshu, 1998, 24, 670-674.	0.3	2
1214	Twenty to thirty years of DV-X α calculations: A survey of accuracy and applications. Advances in Quantum Chemistry, 1998, , 1-47.	0.8	9
1215	39.3: Carbon Nanotube FED Elements. Digest of Technical Papers SID International Symposium, 1998, 29, 1052.	0.3	57
1216	Augmented cylindrical wave method in the theory of electronic structure of quantum nanowires. Macromolecular Symposia, 1998, 136, 17-24.	0.7	6
1217	Silicon Nanowire: a New Shape of Crystalline Silicon. Materials Research Society Symposia Proceedings, 1998, 507, 993.	0.1	3
1218	Morphologies and Related Electronic Properties of Carbon Nanotubes. Journal of Materials Research, 1998, 13, 2368-2379.	2.6	6

#	ARTICLE	IF	CITATIONS
1219	Production of carbon single wall nanotubes versus experimental parameters. , 1998, , .		1
1220	Electronic States of Toroidal Carbon Nanotubes. Journal of the Physical Society of Japan, 1998, 67, 259-263.	1.6	20
1221	Laser-assisted production of multi-walled carbon nanotubes from acetylene. , 1998, , .		0
1222	ELECTROCHEMICAL INVESTIGATION OF THE FORMATION OF CARBON NANOTUBES IN MOLTEN SALTS. High Temperature Material Processes, 1998, 2, 459-469.	0.6	35
1223	Electron-electron interaction effects in single-wall carbon nanotubes. , 1999, , 411-424.		0
1224	Carbon arc plasma doped with Fe and Co/Ni: Spectroscopy and formation of carbon nanostructures. , 1999, , .		2
1225	Electron Diffraction and Microscopy of Carbon Nanotubes. , 1999, , 14-28.		1
1226	Structure of Multi-Walled and Single-Walled Carbon Nanotubes. EELS Study. , 1999, , 29-39.		1
1227	Production of Carbon Clusters by Means of Arc Discharge and Their Application 3. Carbon Nanotubes and Nanocapsules Produced by Arc Discharge and their Applications. Journal of Plasma and Fusion Research, 1999, 75, 908-913.	0.4	0
1228	Large arrays of well-aligned carbon nanotubes. , 1999, , .		1
1229	Optical Response of Carbon Nanotubes. , 1999, , 89-106.		2
1230	X-Ray Diffraction Studies of the Recrystallization of C60-Based Polymers. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 573-585.	0.6	2
1231	A Simple Method to Make Field Emitter Using Ropes of Single-Walled Carbon Nanotubes. Chinese Physics Letters, 1999, 16, 117-119.	3.3	5
1232	Numerical Study of Impurity Scattering in Carbon Nanotubes. Journal of the Physical Society of Japan, 1999, 68, 561-566.	1.6	62
1233	Growth of Carbon Nanotubes on Quartz Plates by Chemical Vapor Deposition Using (Ni, Fe)-Phthalocyanines. Japanese Journal of Applied Physics, 1999, 38, L836-L838.	1.5	10
1234	Graphite cathode spot produces carbon nanotubes in arc discharge. Journal Physics D: Applied Physics, 1999, 32, 2433-2437.	2.8	16
1235	Structure and morphology of carbon nanotubes grown on zeolite-supported catalysts by chemical vapor deposition. Acta Physica Sinica (overseas Edition), 1999, 8, 545-550.	0.1	1
1236	Effects of Substrate Materials on Growth of Carbon Nanotubes by Chemical Vapor Deposition Using Metal-Phthalocyanines. Japanese Journal of Applied Physics, 1999, 38, L1351-L1353.	1.5	6

#	ARTICLE	IF	CITATIONS
1237	Three-Horned Multishell Fullerene. Japanese Journal of Applied Physics, 1999, 38, L1208-L1210.	1.5	0
1238	Point of ultra-sensitivity to perturbations for axial propagation in helicoidal bianisotropic structures. Europhysics Letters, 1999, 48, 177-181.	2.0	14
1239	High-Efficiency Amorphous Silicon Solar Cells with ZnO as Front Contact. Japanese Journal of Applied Physics, 1999, 38, 4983-4988.	1.5	55
1240	Positron annihilation in carbon nanotube powders. Acta Physica Sinica (overseas Edition), 1999, 8, 783-786.	0.1	4
1241	Carbon nanotubes: From macromolecules to nanotechnology. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 14199-14200.	7.1	93
1242	Conductance of Carbon Nanotubes with a Vacancy. Journal of the Physical Society of Japan, 1999, 68, 716-719.	1.6	94
1243	Band Structures of Periodic Carbon Nanotube Junctions and Their Symmetries Analyzed by the Effective Mass Approximation. Journal of the Physical Society of Japan, 1999, 68, 910-922.	1.6	5
1244	Electrical Transport Properties in Carbon Nanotubes. , 1999, , 107-127.		5
1245	Synthesis, Structure and Field Emission of Carbon Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 653-664.	0.6	20
1246	Twisting of Single-Walled Carbon Nanotube Bundles. Materials Research Society Symposia Proceedings, 1999, 593, 33.	0.1	7
1247	Formation and structure of carbon nanocage structures produced by polymer pyrolysis and electron-beam irradiation. Journal of Materials Research, 1999, 14, 4266-4273.	2.6	15
1248	Synthesis of Multiwalled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1999, 593, 15.	0.1	5
1249	Novel Methods of Nanoscale Wire Formation. MRS Bulletin, 1999, 24, 13-19.	3.5	87
1250	Synthesis of Silicon Oxide Nanofibers by Sublimation of SiC in Medium Vacuum with Oxygen Flow. Japanese Journal of Applied Physics, 1999, 38, L401-L402.	1.5	27
1251	Large-Scale Synthesis of Carbon Nanotubes by Pyrolysis. , 1999, , 143-152.		7
1252	Formation of Boron Nitride (BN) Fullerene-Like Nanoparticles and (BN) _x Cy Nanotubes Using Carbon Nanotubes as Templates. Japanese Journal of Applied Physics, 1999, 38, L755-L757.	1.5	31
1253	Advances in the Creation of Filled Nanotubes and Novel Nanowires. MRS Bulletin, 1999, 24, 43-49.	3.5	76
1254	Lattice dynamics of single-walled carbon nanotubes. Physical Review B, 1999, 59, 8355-8358.	3.2	96

#	ARTICLE	IF	CITATIONS
1255	Novel process for fabricating nanodevices consisting of carbon nanotubes. , 0, , .		0
1256	Nanoplasticity of Single-Wall Carbon Nanotubes under Uniaxial Compression. Physical Review Letters, 1999, 83, 2973-2976.	7.8	205
1257	Beaded carbon tubes. Applied Physics Letters, 1999, 75, 3309-3311.	3.3	24
1259	Critical adsorption on curved objects. Physical Review E, 1999, 59, 5081-5100.	2.1	36
1260	Characterization by Stm and Electrical Conductivity of Single-Walled Carbon Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 211-221.	0.6	3
1261	Self-inductance of chiral conducting nanotubes. Physical Review B, 1999, 60, 13885-13889.	3.2	26
1262	Electronic structure of short and long carbon nanotubes from first principles. Physical Review B, 1999, 59, 9862-9865.	3.2	49
1263	Quantum interference of electrons in multiwall carbon nanotubes. Physical Review B, 1999, 60, 13492-13496.	3.2	82
1264	Development of an energy barrier at the metal-chainâ€metallic-carbon-nanotube nanocontact. Physical Review B, 1999, 60, 6074-6079.	3.2	52
1265	Al ₁₀ Li ₈ :â€fA magic compound cluster. Physical Review B, 1999, 60, 2916-2920.	3.2	28
1266	Scanning tunneling spectroscopy signature of finite-size and connected nanotubes: A tight-binding study. Physical Review B, 1999, 60, 7792-7795.	3.2	61
1267	Low-energy electron point source microscope with position-sensitive electron energy analyzer. Review of Scientific Instruments, 1999, 70, 4304-4307.	1.3	10
1268	Nucleation of Carbon Nanotubes without Pentagonal Rings. Physical Review Letters, 1999, 83, 1791-1794.	7.8	53
1269	Electronic and dynamic studies of boron carbide nanowires. Physical Review B, 1999, 60, 4874-4879.	3.2	29
1270	Positron annihilation in C ₆₀ and C ₇₀ fullerenes and other carbon phases. Physical Review B, 1999, 60, 15636-15638.	3.2	19
1271	Localization in carbon nanotubes within a tight-binding model. Physical Review B, 1999, 60, 10735-10738.	3.2	81
1272	New boron based nanostructured materials. Journal of Chemical Physics, 1999, 110, 3176-3185.	3.0	257
1273	Dense arrays of well-aligned carbon nanotubes completely filled with single crystalline titanium carbide wires on titanium substrates. Applied Physics Letters, 1999, 74, 3642-3644.	3.3	42

#	ARTICLE	IF	CITATIONS
1274	Synthesis of uniformly distributed carbon nanotubes on a large area of Si substrates by thermal chemical vapor deposition. Applied Physics Letters, 1999, 75, 1721-1723.	3.3	115
1275	Large-scale synthesis of single crystalline gallium nitride nanowires. Applied Physics Letters, 1999, 75, 2455-2457.	3.3	264
1276	Syntactic coalescence of WS ₂ nanotubes. Applied Physics Letters, 1999, 74, 3633-3635.	3.3	49
1277	Atoms in nanotubes: Small dimensions and variable dimensionality. American Journal of Physics, 1999, 67, 1170-1176.	0.7	42
1278	Electron field emission from silicon nanowires. Applied Physics Letters, 1999, 75, 1700-1702.	3.3	194
1279	Preparation and properties of carbon nanotubes. , 0, , .		1
1280	Ghost spins and quantum critical behavior in a spin chain with local bond deformation. Physical Review B, 1999, 60, 6594-6600.	3.2	9
1281	Ï plasmons in two-dimensional arrays of aligned carbon nanotubes. Physical Review B, 1999, 60, 14434-14440.	3.2	18
1282	In situresistance measurements of strained carbon nanotubes. Applied Physics Letters, 1999, 75, 2936-2938.	3.3	134
1283	Statistical thermodynamics and transport of linear adsorbates. Physical Review B, 1999, 59, 11027-11036.	3.2	77
1284	A simple, reliable technique for making electrical contact to multiwalled carbon nanotubes. Applied Physics Letters, 1999, 74, 323-325.	3.3	130
1285	Synthesis and characterization of amorphous carbon nanowires. Applied Physics Letters, 1999, 75, 2921-2923.	3.3	66
1286	Single-electron transistor made of multiwalled carbon nanotube using scanning probe manipulation. Applied Physics Letters, 1999, 75, 728-730.	3.3	92
1287	â€œBucky Shuttleâ€•Memory Device: Synthetic Approach and Molecular Dynamics Simulations. Physical Review Letters, 1999, 82, 1470-1473.	7.8	155
1288	Geometrical structure and electronic properties of atomically resolved multiwall carbon nanotubes. Applied Physics Letters, 1999, 75, 2755-2757.	3.3	24
1289	Luttinger Liquid Behavior in Multiwall Carbon Nanotubes. Physical Review Letters, 1999, 83, 5547-5550.	7.8	187
1290	Boron-Mediated Growth of Long Helicity-Selected Carbon Nanotubes. Physical Review Letters, 1999, 83, 5078-5081.	7.8	119
1291	Laser-Driven Atomic Pump. Physical Review Letters, 1999, 82, 5373-5376.	7.8	93

#	ARTICLE	IF	CITATIONS
1292	Elastic Response of Carbon Nanotube Bundles to Visible Light. Physical Review Letters, 1999, 82, 3472-3475.	7.8	157
1293	Optical Emission Spectra during Carbon Nanotube Production by Arc Discharge in H ₂ , CH ₄ or He Gas. Japanese Journal of Applied Physics, 1999, 38, 6014-6016.	1.5	27
1294	Direct atomistic observation of deformation in multiwalled carbon nanotubes. Physical Review B, 1999, 59, 4646-4649.	3.2	30
1295	Effects of high magnetic field on the morphology of carbon nanotubes and selective synthesis of fullerenes. Applied Physics Letters, 1999, 74, 1827-1829.	3.3	23
1296	Graphite lattice synthesis catalyzed by chromium-containing crystallites. Applied Physics Letters, 1999, 74, 3726-3728.	3.3	7
1297	Electrical transport in pure and boron-doped carbon nanotubes. Applied Physics Letters, 1999, 74, 3149-3151.	3.3	171
1298	Structural studies of multiwall carbon nanotubes by neutron diffraction. Physical Review B, 1999, 59, 1665-1668.	3.2	68
1299	Growth of a single-wall carbon nanotube in the gap of scanning tunneling microscope. Applied Physics Letters, 1999, 74, 2450-2452.	3.3	21
1300	Energetics of the oxidation and opening of a carbon nanotube. Physical Review B, 1999, 60, R2208-R2211.	3.2	69
1301	Formation Process of Empty and Metal-Containing Fullerenes—Molecular Dynamics and FT-ICR Studies. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 621-636.	0.6	12
1302	Growth of graphite nanofibers from the decomposition of CO/H ₂ over silica-supported iron–nickel particles. Journal of Materials Research, 1999, 14, 2912-2921.	2.6	51
1303	Development of a dispersion process for carbon nanotubes in an epoxy matrix and the resulting electrical properties. Polymer, 1999, 40, 5967-5971.	3.8	1,339
1304	Catalyst effects on formation of boron nitride nano-tubules synthesized by laser ablation. Solid State Communications, 1999, 109, 555-559.	1.9	51
1305	Polarized Raman spectra of single-wall carbon nanotubes mono-dispersed in channels of AlPO ₄₋₅ single crystals. Solid State Communications, 1999, 109, 365-369.	1.9	74
1306	Solid state NMR of SiO ₂ nanotube coated ammonium tartrate crystal. Solid State Communications, 1999, 110, 333-338.	1.9	3
1307	Exact solutions to the tight-binding model for the conductance of carbon nanotubes. Solid State Communications, 1999, 111, 385-390.	1.9	27
1308	Effect of defects on optical phonon Raman spectra in SiC nanorods. Solid State Communications, 1999, 111, 647-651.	1.9	117
1309	Nanocarbons formed in a hot isostatic pressure apparatus. Thin Solid Films, 1999, 346, 86-90.	1.8	18

#	ARTICLE	IF	CITATIONS
1310	Free energy of crystal-liquid interface. Acta Materialia, 1999, 47, 2109-2112.	7.9	94
1311	Mechanical properties of diamond-like carbon composite thin films prepared by pulsed laser deposition. Composites Part B: Engineering, 1999, 30, 675-684.	12.0	94
1312	The future of atomic resolution electron microscopy for materials science. Materials Science and Engineering Reports, 1999, 26, 1-49.	31.8	80
1313	Growth of carbon nanotubes on Fe-loading zeolites and investigation of catalytic active center. Materials Science and Engineering C, 1999, 8-9, 151-157.	7.3	15
1314	Electronic structure of carbon nanotubes: AM1-RHF calculations. Physica E: Low-Dimensional Systems and Nanostructures, 1999, 4, 192-195.	2.7	19
1315	A novel method of varying the diameter of carbon nanotubes formed on an Fe-supported Y zeolite catalyst. Microporous and Mesoporous Materials, 1999, 29, 383-388.	4.4	33
1316	Platinum-filled oxidic nanotubes. Microporous and Mesoporous Materials, 1999, 31, 235-239.	4.4	64
1317	Hydrogen atom elimination from polycyclic aromatic hydrocarbons with sustained off-resonance irradiation: a new approach to produce carbon/hydrogen cluster cations C _n H _x ⁺ . International Journal of Mass Spectrometry, 1999, 185-187, 1-10.	1.5	12
1318	Quantum interference in carbon nanotubes. Comptes Rendus De L'Academie De Sciences - Serie Iib: Mecanique, Physique, Chimie, Astronomie, 1999, 327, 945-951.	0.1	1
1319	Sonochemical production of a carbon nanotube. Ultrasonics Sonochemistry, 1999, 6, 185-187.	8.2	55
1320	Defects caused by high-energy ion beams, as measured by scanning probe methods. Micron, 1999, 30, 245-254.	2.2	5
1321	Finite size effect on melting enthalpy and melting entropy of nanocrystals. Physica B: Condensed Matter, 1999, 270, 249-254.	2.7	62
1322	Study on poly(methyl methacrylate)/carbon nanotube composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 271, 395-400.	5.6	581
1323	Dielectric response of an electron-gas nanotube superlattice. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 253, 88-92.	2.1	2
1324	Quadratic electro-optic effects in semiconductor carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 258, 394-400.	2.1	23
1325	Electronic excitations in coupled armchair carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 1999, 259, 158-163.	2.1	7
1326	Study of electrochemical capacitors utilizing carbon nanotube electrodes. Journal of Power Sources, 1999, 84, 126-129.	7.8	182
1327	Towards atomic resolution EELS of anisotropic materials. Ultramicroscopy, 1999, 78, 185-205.	1.9	16

#	ARTICLE	IF	CITATIONS
1328	Conductance quantization in carbon nanotubes: neutrons on cylinder surface. Microelectronic Engineering, 1999, 47, 421-423.	2.4	7
1329	The interaction of C60 fullerene and carbon nanotube with Ar ion beam. Applied Surface Science, 1999, 137, 83-90.	6.1	103
1330	Atomic force microscopy and transmission electron microscopy investigations of catalytic formed nanotubes in C60/C70+Ni layers. Applied Surface Science, 1999, 141, 350-356.	6.1	11
1331	Field emission energy distributions from individual multiwalled carbon nanotubes. Applied Surface Science, 1999, 146, 312-327.	6.1	224
1332	Field emission from carbon nanotubes and its application to cathode ray tube lighting elements. Applied Surface Science, 1999, 146, 305-311.	6.1	112
1333	Stability of amorphous carbonyl surface: a comparative study of photoemission intensity from the valence and core states. Applied Surface Science, 1999, 148, 183-188.	6.1	3
1334	Thermodynamics of formation of carbon nanotubes catalyzed by nickel. Applied Surface Science, 1999, 152, 156-160.	6.1	9
1335	Boron nitride cones: structure determination by transmission electron microscopy. Acta Crystallographica Section A: Foundations and Advances, 1999, 55, 168-177.	0.3	45
1336	Purification des nanotubes de carbone monofeuillets. Comptes Rendus De L'Academie De Sciences - Serie IIb: Mecanique, Physique, Chimie, Astronomie, 1999, 327, 925-931.	0.1	1
1337	Ring formations from catalytically synthesized carbon nanotubes. Chemical Physics Letters, 1999, 300, 202-206.	2.6	91
1338	Formation of metallofullerenes with higher group elements. Chemical Physics Letters, 1999, 300, 140-144.	2.6	38
1339	Electrochemical production of low-melting metal nanowires. Chemical Physics Letters, 1999, 301, 159-166.	2.6	53
1340	Bulk production of quasi-aligned carbon nanotube bundles by the catalytic chemical vapour deposition (CCVD) method. Chemical Physics Letters, 1999, 303, 117-124.	2.6	165
1341	Nano-aggregates of single-walled graphitic carbon nano-horns. Chemical Physics Letters, 1999, 309, 165-170.	2.6	1,144
1342	Synthesis of aligned carbon nanotubes using thermal chemical vapor deposition. Chemical Physics Letters, 1999, 312, 461-468.	2.6	243
1343	A census of nanotube caps. Chemical Physics Letters, 1999, 315, 335-347.	2.6	78
1344	Aharonovâ€œBohm oscillations in carbon nanotubes. Nature, 1999, 397, 673-675.	27.8	736
1345	Spontaneous chaotic granular mixing. Nature, 1999, 397, 675-678.	27.8	87

#	ARTICLE	IF	CITATIONS
1346	Energy characteristics of carbon clusters with passivated bonds. Physics of the Solid State, 1999, 41, 729-732.	0.6	3
1347	Auger and emission spectra of carbon nanotubes. Physics of the Solid State, 1999, 41, 1383-1385.	0.6	0
1348	Investigation of the action of ultrahigh pressures on carbon nanotubes. Technical Physics Letters, 1999, 25, 174-175.	0.7	2
1349	Synthesis, structure, and formation mechanism of boron nitride nanotubes. JETP Letters, 1999, 69, 163-168.	1.4	25
1350	Texture and magnetic anisotropy of carbon nanotubes in cathode deposits obtained by the electric-arc method. JETP Letters, 1999, 70, 476-480.	1.4	16
1351	Morphology of carbon allotropes prepared by hydrogen arc discharge. Journal of Crystal Growth, 1999, 198-199, 934-938.	1.5	27
1352	Nucleation behavior of cage structure of carbon in the presence of charge. Journal of Crystal Growth, 1999, 198-199, 929-933.	1.5	2
1353	Electrochemical storage of lithium in multiwalled carbon nanotubes. Carbon, 1999, 37, 61-69.	10.3	428
1354	Transformation of carbon nanotubes to nanoparticles by ball milling process. Carbon, 1999, 37, 493-497.	10.3	173
1355	Production of short multi-walled carbon nanotubes. Carbon, 1999, 37, 903-906.	10.3	160
1356	Scanning probe method investigation of carbon nanotubes produced by high energy ion irradiation of graphite. Carbon, 1999, 37, 739-744.	10.3	5
1357	Fabrication of aluminum-carbon nanotube composites and their electrical properties. Carbon, 1999, 37, 855-858.	10.3	299
1358	Carbon-alloying of the rear surfaces of nanotubes by direct fluorination. Carbon, 1999, 37, 1033-1038.	10.3	48
1359	SEM and HREM study of the internal structure of nanotube rich carbon arc cathodic deposits. Carbon, 1999, 37, 1093-1103.	10.3	34
1360	Synthesis of exfoliated graphite from fluorinated graphite using an atmospheric-pressure argon plasma. Carbon, 1999, 37, 1159-1164.	10.3	31
1361	Mass-production of single-wall carbon nanotubes by arc discharge method ¹¹ This work was supported by the National Natural Science Foundation of China, No. 29671030.. Carbon, 1999, 37, 1449-1453.	10.3	207
1362	Air oxidation of carbon soot generated by laser ablation. Carbon, 1999, 37, 1509-1515.	10.3	7
1363	Classification for double-walled carbon nanotubes. Carbon, 1999, 37, 1779-1783.	10.3	65

#	ARTICLE	IF	CITATIONS
1364	Direct growth of aligned open carbon nanotubes by chemical vapor deposition. Chemical Physics Letters, 1999, 299, 97-102.	2.6	159
1365	Boron-doped carbon nanotubes prepared through a substitution reaction. Chemical Physics Letters, 1999, 299, 368-373.	2.6	205
1366	Carbon nitride nanotubulite “ densely-packed and well-aligned tubular nanostructures. Chemical Physics Letters, 1999, 300, 695-700.	2.6	137
1367	Nano-scale GeO ₂ wires synthesized by physical evaporation. Chemical Physics Letters, 1999, 303, 311-314.	2.6	188
1368	Conductance in nanotube Y-junctions. Chemical Physics Letters, 1999, 306, 402-406.	2.6	44
1369	Structure of boron nitride nanotubes: tube closing versus chirality. Chemical Physics Letters, 1999, 307, 407-412.	2.6	132
1370	Selective formation of C ₂₀ cluster ions by field evaporation from carbon nanotubes. Chemical Physics Letters, 1999, 308, 343-346.	2.6	42
1371	Ab initio study of B ₃₂ clusters: competition between spherical, quasiplanar and tubular isomers. Chemical Physics Letters, 1999, 311, 21-28.	2.6	105
1372	Stable BC ₂ N nanostructures: low-temperature production of segregated C/BN layered materials. Chemical Physics Letters, 1999, 310, 459-465.	2.6	67
1373	Electrochemical intercalation of lithium into multiwall carbon nanotubes. Chemical Physics Letters, 1999, 312, 14-18.	2.6	159
1374	Carbon nanotube encapsulated fullerenes: a unique class of hybrid materials. Chemical Physics Letters, 1999, 315, 31-36.	2.6	252
1375	Third-order optical nonlinearities of chiral graphene tubules. Chemical Physics Letters, 1999, 313, 211-216.	2.6	14
1376	Model of carbon nanotube growth through chemical vapor deposition. Chemical Physics Letters, 1999, 315, 25-30.	2.6	515
1377	Degeneracy and repulsion between bands of periodic carbon nanotube junctions. European Physical Journal D, 1999, 9, 377-380.	1.3	0
1378	A molecular dynamics study on the formation of metallofullerene. European Physical Journal D, 1999, 9, 385-388.	1.3	53
1379	The Case Against Graphite Particles in Interstellar Space. Astrophysics and Space Science, 1999, 268, 289-292.	1.4	1
1380	A structure model and growth mechanism for novel carbon nanotubes. Journal of Materials Science, 1999, 34, 2745-2749.	3.7	20
1381	Physical properties of Fe ₈₀ P ₂₀ glass-carbon nanotubes composite. Journal of Materials Science, 1999, 34, 5281-5284.	3.7	13

#	ARTICLE	IF	CITATIONS
1382	Two limits of melting temperatures of nanocrystals. Journal of Materials Science, 1999, 34, 5919-5922.	3.7	12
1383	Computational Materials Chemistry at the Nanoscale. Journal of Nanoparticle Research, 1999, 1, 51-69.	1.9	23
1384	Nanoscience and Engineering: The Next Five Years. Journal of Nanoparticle Research, 1999, 1, 131-136.	1.9	6
1385	Title is missing!. Catalysis Letters, 1999, 63, 135-141.	2.6	31
1386	Environmental high resolution electron microscopy of gasâ€catalyst reactions. Topics in Catalysis, 1999, 8, 97-113.	2.8	75
1387	Carbon-iron arc plasma: Characterization and novel applications. European Physical Journal D, 1999, 49, 933-940.	0.4	7
1388	Carbon nanotube formation on cobalt-implanted germanium substrate. Journal of Materials Science Letters, 1999, 18, 1151-1153.	0.5	4
1389	Using Carbon Nanotubes for the Synthesis of Transition Metal Carbide Nanoparticles. Journal of Materials Science Letters, 1999, 18, 431-433.	0.5	17
1390	Formation of β -SiC nanorods with amorphous SiO ₂ wrapping layers. Journal of Materials Science Letters, 1999, 18, 1255-1257.	0.5	14
1391	Synthesis of nanotubes and nanowires of silicon oxide. Journal of Materials Science Letters, 1999, 18, 1911-1913.	0.5	111
1392	Preparation of Carbon Nanotubules by the Floating Catalyst Method. Journal of Materials Science Letters, 1999, 18, 797-799.	0.5	19
1393	Title is missing!. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 1999, 35, 211-224.	1.6	2
1394	Amphoteric doping of single-wall carbon-nanotube thin films as probed by optical absorption spectroscopy. Physical Review B, 1999, 60, 13339-13342.	3.2	243
1395	Carbon-coated Feâ€Co(C) nanocapsules prepared by arc discharge in methane. Journal of Applied Physics, 1999, 86, 6701-6706.	2.5	96
1396	Electrical and Optical Properties of Conducting Polymer - Fullerene and Conducting Polymer - Carbon Nanotube Composites. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 695-711.	0.6	80
1397	Highly efficient high-order harmonic generation by metallic carbon nanotubes. Physical Review A, 1999, 60, R777-R780.	2.5	107
1398	Melting thermodynamics of organic nanocrystals. Journal of Chemical Physics, 1999, 111, 2176-2180.	3.0	264
1399	Far-infrared gaps in single-wall carbon nanotubes. Physical Review B, 1999, 60, R11305-R11308.	3.2	192

#	ARTICLE	IF	CITATIONS
1400	Molecular Modeling of Adsorptive Energy Storage: Hydrogen Storage in Single-Walled Carbon Nanotubes. Industrial & Engineering Chemistry Research, 1999, 38, 4647-4655.	3.7	85
1401	Fullerenes and Nanotubes. , 1999, , 35-94.		11
1402	Multiple-scattering calculations of electron-energy-loss near-edge structures of existing and predicted phases in the ternary system B-C-N. Physical Review B, 1999, 59, 11739-11745.	3.2	59
1403	Determination of the chemical diffusion coefficient of lithium in multiwall carbon nanotubes. Ionics, 1999, 5, 156-160.	2.4	6
1404	Polyorganosiloxane-europium (III) host-guest inclusion system and its energy transfer luminescence. Science in China Series B: Chemistry, 1999, 42, 351-356.	0.8	3
1405	Growth mechanism and quantum confinement effect of silicon nanowires. Science in China Series A: Mathematics, 1999, 42, 1316-1322.	0.5	1
1406	Mono-dispersed single-wall carbon nanotubes formed in channels of zeolite crystal: Production, optical and electrical transport properties. Bulletin of Materials Science, 1999, 22, 329-333.	1.7	8
1407	Simulation of molecular and electronic structure of polyhydrogenated (n,0)-tubulenes and their analogs intercalated with lithium. Russian Chemical Bulletin, 1999, 48, 2039-2045.	1.5	1
1408	Synthesis of one-dimensional nanostructures of SiC nanorods with and without amorphous SiO ₂ wrapping layers. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 213-219.	2.2	9
1409	Electronic coupling and structural ordering of quantum dots using InAs quantum dot columns. Journal of Electronic Materials, 1999, 28, 392-404.	2.2	12
1410	AM1 treatment of silaannulenic cyclacenes. Computational and Theoretical Chemistry, 1999, 468, 67-71.	1.5	5
1411	AM1 treatment of cyclacene tubes. Computational and Theoretical Chemistry, 1999, 490, 55-60.	1.5	12
1412	Zigzag cyclopolyacenes: a theoretical study. Computational and Theoretical Chemistry, 1999, 491, 275-280.	1.5	17
1413	PM3 treatment of monoazacyclacenes. Computational and Theoretical Chemistry, 1999, 492, 159-163.	1.5	23
1414	Fullerene nanobutes for molecular electronics. Trends in Biotechnology, 1999, 17, 46-50.	9.3	44
1415	Electrical conductivity and field emission characteristics of hot-pressed sintered carbon nanotubes. Materials Research Bulletin, 1999, 34, 741-747.	5.2	56
1416	SiC nanorods with uniform amorphous SiO ₂ wrappers on the outside surface. Materials Research Bulletin, 1999, 34, 783-790.	5.2	7
1417	AFM and STM investigation of carbon nanotubes produced by high energy ion irradiation of graphite. Nuclear Instruments & Methods in Physics Research B, 1999, 147, 142-147.	1.4	15

#	ARTICLE	IF	CITATIONS
1418	Carbon nanotubes produced by high energy ($E > 100$ MeV), heavy ion irradiation of graphite. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 1102-1105.	1.4	14
1419	The effect of different kinds of inert gases and their pressures on the preparation of carbon nanotubes by carbon arc method. Materials Chemistry and Physics, 1999, 58, 1-5.	4.0	10
1420	Conductance of mono-sized carbon nanotubes in channels of zeolite crystal. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 255-257.	2.3	9
1421	Geometry of Multi-Tube Carbon Clusters and Electronic Transmission in Nanotube Contacts. Molecular Engineering, 1999, 8, 315-344.	0.2	10
1422	Contact resistance of quantum tubes. Superlattices and Microstructures, 1999, 26, 351-361.	3.1	6
1423	Defect and Ordered Tungsten Oxides Encapsulated Inside $2H\text{-}WX_2$ ($X=S$ and Se) Fullerene-Related Structures. Journal of Solid State Chemistry, 1999, 144, 100-117.	2.9	42
1425	Synthesis, characterizations, and physical properties of carbon nanotubes coated by conducting polypyrrole. Journal of Applied Polymer Science, 1999, 74, 2605-2610.	2.6	144
1426	Room Temperature Sonoelectrochemical Synthesis of Molybdenum Sulfide Fullerene-Like Nanoparticles. Advanced Materials, 1999, 11, 1010-1013.	21.0	67
1427	Theoretical calculations on $C_{30}H_{12}$ bowl-shaped hydrocarbons: NMR shielding constants, stability, and aromaticity. Journal of Computational Chemistry, 1999, 20, 1412-1421.	3.3	25
1428	Electron nanodiffraction. Microscopy Research and Technique, 1999, 46, 75-97.	2.2	49
1429	Polyaniline doped with different sulfonic acids by in situ doping polymerization. Journal of Polymer Science Part A, 1999, 37, 1277-1284.	2.3	89
1430	Tubular polypyrrole synthesized by in situ doping polymerization in the presence of organic function acids as dopants. Journal of Polymer Science Part A, 1999, 37, 1443-1449.	2.3	47
1431	Microtubules of polyaniline doped with HCl and HBF_4 . Journal of Polymer Science Part A, 1999, 37, 4605-4609.	2.3	37
1432	Self-Assembly of Pyrazolyl Based Ligands and Silver Cation into Metallamacrocycles and Tubular Coordination Networks. European Journal of Inorganic Chemistry, 1999, 1999, 1981-1985.	2.0	53
1433	Advanced syntheses and microfabrications of conjugated polymers, C_{60} -containing polymers and carbon nanotubes for optoelectronic applications. Polymers for Advanced Technologies, 1999, 10, 357-420.	3.2	88
1437	Helical Crystallization of Proteins on Carbon Nanotubes: A First Step towards the Development of New Biosensors. Angewandte Chemie - International Edition, 1999, 38, 1912-1915.	13.8	430
1438	Template Assembly of Metal Aggregates by Imino-Carboxylate Ligands. Angewandte Chemie - International Edition, 1999, 38, 1915-1918.	13.8	84
1439	Inorganic Nanotubes. Angewandte Chemie - International Edition, 1999, 38, 2175-2179.	13.8	136

#	ARTICLE	IF	CITATIONS
1440	Carbonaceous Products by Hydrogen Arc Discharge. Crystal Research and Technology, 1999, 34, 597-603.	1.3	2
1441	Structure and Bonding in Carbon Materials. , 1999, , 1-33.		18
1442	Electron diffraction and microscopy of nanotubes. Reports on Progress in Physics, 1999, 62, 1471-1524.	20.1	131
1443	Ring Formation in Single-Wall Carbon Nanotubes. Journal of Physical Chemistry B, 1999, 103, 7551-7556.	2.6	150
1444	Local Temperature during the Growth of Multiwalled Carbon Nanotubes. Physical Review Letters, 1999, 82, 2908-2910.	7.8	22
1445	Analysis of the low-temperature specific heat of multiwalled carbon nanotubes and carbon nanotube ropes. Physical Review B, 1999, 60, 3264-3270.	3.2	130
1446	Ab initio pseudopotential method for the calculation of conductance in quantum wires. Physical Review B, 1999, 59, 2267-2275.	3.2	231
1447	Directed Growth of Free-Standing Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 1999, 121, 7975-7976.	13.7	234
1448	Polymerized carbon nanobells and their field-emission properties. Applied Physics Letters, 1999, 75, 3105-3107.	3.3	164
1449	Raman spectral study of silicon nanowires. Physical Review B, 1999, 59, 1645-1648.	3.2	277
1450	Electronic States in a Finite Carbon Nanotube: A One-Dimensional Quantum Box. Physical Review Letters, 1999, 82, 3520-3523.	7.8	173
1451	Patterned Growth and Contact Transfer of Well-Aligned Carbon Nanotube Films. Journal of Physical Chemistry B, 1999, 103, 4223-4227.	2.6	284
1452	Carbon films with sp^2 network structure. Physical Review B, 1999, 60, 10903-10907.	3.2	152
1453	New Approach to Evaluate Pore Size Distributions and Surface Areas for Hydrophobic Mesoporous Solids. Journal of Physical Chemistry B, 1999, 103, 10670-10678.	2.6	135
1454	Electrodynamics of carbon nanotubes: Dynamic conductivity, impedance boundary conditions, and surface wave propagation. Physical Review B, 1999, 60, 17136-17149.	3.2	376
1455	Synthesizing boron nitride nanotubes filled with SiC nanowires by using carbon nanotubes as templates. Applied Physics Letters, 1999, 75, 1875-1877.	3.3	85
1456	Synthesis and Purification of Multi-Walled and Single-Walled Carbon Nanotubes. , 1999, , 2-13.		7
1457	Growth of straight nanotubes with a cobalt-nickel catalyst by chemical vapor deposition. Applied Physics Letters, 1999, 74, 644-646.	3.3	54

#	ARTICLE	IF	CITATIONS
1458	Synthesis and purification of multi-walled carbon nanotubes for field emitter applications. Diamond and Related Materials, 1999, 8, 785-791.	3.9	27
1459	Field emission measurements with micrometre resolution on carbon nanostructures. Diamond and Related Materials, 1999, 8, 792-797.	3.9	27
1460	Controlling growth and field emission property of aligned carbon nanotubes on porous silicon substrates. Applied Physics Letters, 1999, 75, 481-483.	3.3	91
1461	Symmetry and lattices of single-wall nanotubes. Journal of Physics A, 1999, 32, 4097-4104.	1.6	41
1462	Temperatures and C2 column densities in a carbon arc plasma. Journal Physics D: Applied Physics, 1999, 32, 1024-1030.	2.8	46
1463	Growth of a single freestanding multiwall carbon nanotube on each nanonickel dot. Applied Physics Letters, 1999, 75, 1086-1088.	3.3	391
1464	Preparation and mechanical properties of composite diamond-like carbon thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 3406-3414.	2.1	81
1465	Properties of Some Novel Adsorbents. , 1999, , 401-438.		3
1466	Nanotube self-organization: Formation by step-flow growth. Applied Physics Letters, 1999, 74, 194-196.	3.3	36
1467	Adsorption - its development and application for practical purposes. Studies in Surface Science and Catalysis, 1999, 120, 3-68.	1.5	10
1468	Carbon Nanotubes as Molecular Quantum Wires. Physics Today, 1999, 52, 22-28.	0.3	1,257
1469	A method for fabricating large-area, patterned, carbon nanotube field emitters. Applied Physics Letters, 1999, 74, 2549-2551.	3.3	182
1470	Electrostatic Deflections and Electromechanical Resonances of Carbon Nanotubes. Science, 1999, 283, 1513-1516.	12.6	1,790
1471	Gate-Controlled Superconducting Proximity Effect in Carbon Nanotubes. Science, 1999, 286, 263-265.	12.6	218
1472	Thermodynamic equilibrium and stability of liquid films and droplets on fibers. Journal of Adhesion Science and Technology, 1999, 13, 1137-1154.	2.6	78
1473	Molecular-scale rectifying diodes based on Y-junction carbon nanotubes. , 0, , .		3
1474	Studies of fullerenes and carbon nanotubes by an extended bond order potential. Nanotechnology, 1999, 10, 263-268.	2.6	35
1475	Conjugated and Fullerene-Containing Polymers for Electronic and Photonic Applications: Advanced Syntheses and Microlithographic Fabrications. Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics, 1999, 39, 273-387.	2.2	80

#	ARTICLE	IF	CITATIONS
1476	Quantized conductance of multiwalled carbon nanotubes. Applied Physics Letters, 1999, 75, 3787-3789.	3.3	53
1477	Fine structure of boron nitride nanotubes produced from carbon nanotubes by a substitution reaction. Journal of Applied Physics, 1999, 86, 2364-2366.	2.5	92
1478	Turbostratic boron carbonitride film and its field-emitting behavior. Applied Physics Letters, 1999, 74, 2948-2950.	3.3	42
1479	Large current density from carbon nanotube field emitters. Applied Physics Letters, 1999, 75, 873-875.	3.3	539
1480	Field-emission characteristics of SiC nanowires prepared by chemical-vapor deposition. Applied Physics Letters, 1999, 75, 2918-2920.	3.3	209
1481	Morphology of Si nanowires synthesized by high-temperature laser ablation. Journal of Applied Physics, 1999, 85, 7981-7983.	2.5	97
1482	Correlating the location of structural defects with the electrical failure of multiwalled carbon nanotubes. Applied Physics Letters, 1999, 75, 3941-3943.	3.3	41
1483	Formation of MoTe ₂ Nanotubes by Electron Irradiation. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 421-426.	0.6	16
1484	Possible C ₂₀ Isomers Containing 4/6 Rings. An Investigation of the Stability of Three 4/6 Cages and of Their Hydrogenated Analogues. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 17-24.	0.6	2
1485	A solid-state process for formation of boron nitride nanotubes. Applied Physics Letters, 1999, 74, 2960-2962.	3.3	222
1486	Formation of (BN) _x Cy and BN Nanotubes Filled with Boron Carbide Nanowires. Chemistry of Materials, 1999, 11, 3620-3623.	6.7	54
1487	Encapsulation of WC within 2H-WS ₂ inorganic fullerene-like cages. Chemical Communications, 1999, , 363-364.	4.1	27
1488	SiC/SiO _x heterojunctions in nanowires. Journal of Materials Chemistry, 1999, 9, 3173-3178.	6.7	72
1489	Interlayer interactions in graphite and carbon nanotubes. Physical Chemistry Chemical Physics, 1999, 1, 4459-4464.	2.8	112
1490	Influence of the composition of a H ₂ -CH ₄ gas mixture on the catalytic synthesis of carbon nanotubes-Fe/Fe ₃ C-Al ₂ O ₃ nanocomposite powders. Journal of Materials Chemistry, 1999, 9, 1167-1177.	6.7	36
1491	An investigation of carbon nanotubes obtained from the decomposition of methane over reduced Mg _{1-x} M _x Al ₂ O ₄ spinel catalysts. Journal of Materials Research, 1999, 14, 2567-2576.	2.6	72
1492	A New Method to Obtain C ₆₀ and Higher Fullerenes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1999, 7, 111-115.	0.6	0
1493	Growth and applications of nanotube films. , 0, , .		0

#	ARTICLE	IF	CITATIONS
1494	Effects of Finite Length on the Electronic Structure of Carbon Nanotubes. Journal of Physical Chemistry B, 1999, 103, 641-646.	2.6	223
1495	Synthesis of Cu Nanoparticles and Microsized Fibers by Using Carbon Nanotubes as a Template. Journal of Physical Chemistry B, 1999, 103, 4559-4561.	2.6	99
1496	Physical properties of multiwalled carbon nanotubes. Solid State Sciences, 1999, 1, 77-82.	0.7	215
1497	Synthesis of orderly nanostructure of crystalline GaN nanoparticles on anodic porous alumina membrane. Scripta Materialia, 1999, 11, 421-426.	0.5	12
1498	Solvothermal route to CoTe ₂ nanorods. Scripta Materialia, 1999, 11, 539-544.	0.5	28
1499	High spatial resolution imaging and spectroscopy in nanostructures. Current Opinion in Solid State and Materials Science, 1999, 4, 325-336.	11.5	7
1500	Probing selective oxidation catalysis under reaction conditions by atomic scale environmental high resolution electron microscopy. Current Opinion in Solid State and Materials Science, 1999, 4, 63-73.	11.5	14
1501	Macrofragmentation and microfragmentation phenomena in composite materials. Composites Part A: Applied Science and Manufacturing, 1999, 30, 59-66.	7.6	20
1502	Atomistic simulation of lattice defects in nano-scale semiconductors: minimal-basis TBMD method. Computational Materials Science, 1999, 14, 203-208.	3.0	2
1503	Electrical conductivities of multi-wall carbon nano tubes. Synthetic Metals, 1999, 103, 2543-2546.	3.9	116
1504	2-D localization in single wall carbon nanotube network synthesized by arc-plasma method. Synthetic Metals, 1999, 103, 2551-2554.	3.9	2
1505	Optical Absorption and Fluorescence of a Multi-walled Nanotube-Polymer Composite. Synthetic Metals, 1999, 102, 1176-1177.	3.9	40
1506	Thermal conductivity of single-walled carbon nanotubes. Synthetic Metals, 1999, 103, 2498-2499.	3.9	189
1507	Elastic and mechanical properties of carbon nanotubes. Synthetic Metals, 1999, 103, 2500-2501.	3.9	151
1508	Electron energy loss study of plasmon excitations in curved carbon network. Synthetic Metals, 1999, 103, 2502-2503.	3.9	16
1509	Single wall carbon nanotubes: Two ways of production. Synthetic Metals, 1999, 103, 2488-2489.	3.9	14
1510	Raman characterization of singlewalled carbon nanotubes and PMMA-nanotubes composites. Synthetic Metals, 1999, 103, 2510-2512.	3.9	71
1511	Transport properties of single-walled carbon nanotubes. Synthetic Metals, 1999, 103, 2513-2514.	3.9	10

#	ARTICLE	IF	CITATIONS
1512	The loss function and optical conductivity of potassium intercalated bundles of single wall carbon nanotubes. <i>Synthetic Metals</i> , 1999, 103, 2515-2516.	3.9	6
1513	Purification procedure of carbon nanotubes. <i>Synthetic Metals</i> , 1999, 103, 2492-2493.	3.9	94
1514	Synthesis and properties of carbon nanotube-polypyrrole composites. <i>Synthetic Metals</i> , 1999, 102, 1266-1267.	3.9	80
1515	Nanotubes from Carbon. <i>Chemical Reviews</i> , 1999, 99, 1787-1800.	47.7	3,067
1516	Possible explanation for the conductance of a single quantum unit in metallic carbon nanotubes. <i>Physical Review B</i> , 1999, 60, R14009-R14011.	3.2	42
1517	Electronic Excitations in Cylinder Superlattices. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 3352-3359.	1.6	3
1518	Vibrational modes of carbon nanotubes and nanoropes. <i>Physical Review B</i> , 1999, 60, 6535-6540.	3.2	156
1519	Heterostructures of Single-Walled Carbon Nanotubes and Carbide Nanorods. <i>Science</i> , 1999, 285, 1719-1722.	12.6	385
1520	Towards probing pentagons on carbon nanotube tips. <i>Surface Science</i> , 1999, 421, L150-L155.	1.9	11
1521	Stabilization of the rhombohedral polytype in MoS ₂ and WS ₂ microtubes: TEM and AFM study. <i>Surface Science</i> , 1999, 433-435, 637-641.	1.9	51
1522	Adsorption and transport of particles in low-dimensional heterogeneous substrates. <i>Surface Science</i> , 1999, 426, 48-60.	1.9	12
1523	Vibrational spectra of the monolayer films of hexagonal boron nitride and graphite on faceted Ni(755). <i>Surface Science</i> , 1999, 427-428, 97-101.	1.9	43
1524	Electronic transport in extended systems: Application to carbon nanotubes. <i>Physical Review B</i> , 1999, 60, 7828-7833.	3.2	450
1525	Effects of magnetic field and disorder on the electronic properties of carbon nanotubes. <i>Physical Review B</i> , 1999, 59, 5242-5246.	3.2	43
1526	Numerical Study of Transport in Carbon Nanotubes with Lattice Vacancy. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 3146-3149.	1.6	29
1527	Quasi-one-dimensional nanosystems in a uniform magnetic field: Explicitly solvable model. <i>Reports on Mathematical Physics</i> , 1999, 44, 13-20.	0.8	4
1528	Third-order optical nonlinearity of semiconductor carbon nanotubes: third harmonic generation. <i>Diamond and Related Materials</i> , 1999, 8, 1240-1245.	3.9	43
1529	Highly-ordered carbon nanotube arrays for electronics applications. <i>Applied Physics Letters</i> , 1999, 75, 367-369.	3.3	619

#	ARTICLE	IF	CITATIONS
1530	Square, Pentagon, and Heptagon Rings at BN Nanotube Tips. Journal of Physical Chemistry A, 1999, 103, 1291-1293.	2.5	69
1531	Third-order optical nonlinearity of the carbon nanotubes. Applied Physics Letters, 1999, 74, 164-166.	3.3	147
1532	Morphology and Topochemical Reactions of Novel Vanadium Oxide Nanotubes. Journal of the American Chemical Society, 1999, 121, 8324-8331.	13.7	432
1533	Molecular dynamics simulations of the filling and decorating of carbon nanotubules. Nanotechnology, 1999, 10, 273-277.	2.6	166
1534	Conductance spikes in single-walled carbon nanotube field-effect transistor. Applied Physics Letters, 1999, 75, 2494-2496.	3.3	34
1535	Hydrogen adsorption and cohesive energy of single-walled carbon nanotubes. Applied Physics Letters, 1999, 74, 2307-2309.	3.3	873
1536	Irradiation effects in carbon nanostructures. Reports on Progress in Physics, 1999, 62, 1181-1221.	20.1	981
1537	Electroless Plating of Metals onto Carbon Nanotubes Activated by a Single-Step Activation Method. Chemistry of Materials, 1999, 11, 2115-2118.	6.7	167
1538	β -SiC nanorods synthesized by hot filament chemical vapor deposition. Applied Physics Letters, 1999, 74, 3942-3944.	3.3	169
1539	Statistical Thermodynamics of Linear Adsorbates in Low Dimensions: Application to Adsorption on Heterogeneous Surfaces. Langmuir, 1999, 15, 5707-5712.	3.5	25
1540	Highly ordered two-dimensional carbon nanotube arrays. Applied Physics Letters, 1999, 75, 2047-2049.	3.3	213
1541	Molecular simulation of hydrogen adsorption in single-walled carbon nanotubes and idealized carbon slit pores. Journal of Chemical Physics, 1999, 110, 577-586.	3.0	512
1542	Large Scale CVD Synthesis of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 1999, 103, 6484-6492.	2.6	825
1543	Adsorption of Nitrogen in Carbon Nanotube Arrays. Langmuir, 1999, 15, 8714-8718.	3.5	104
1544	Scanning electron microscope observation of the purification behaviour of carbon nanotubes. Journal of Materials Science, 1999, 34, 1169-1174.	3.7	42
1545	Synthesis of β -SiC nanowires with SiO ₂ wrappers. Scripta Materialia, 1999, 12, 1003-1006.	0.5	60
1546	CVD synthesis of carbon-based metallic photonic crystals. Scripta Materialia, 1999, 12, 1089-1095.	0.5	16
1547	Microscopy Study of the Growth Process and Structural Features of Silicon Oxide Nanoflowers. Chemistry of Materials, 1999, 11, 2709-2715.	6.7	31

#	ARTICLE	IF	CITATIONS
1548	A New and Easy Method for Making Well-Organized Micrometer-Sized Carbon Tubes and Their Regularly Assembled Structures. <i>Chemistry of Materials</i> , 1999, 11, 1806-1813.	6.7	29
1549	Atomic Scale Sliding and Rolling of Carbon Nanotubes. <i>Physical Review Letters</i> , 1999, 83, 5050-5053.	7.8	176
1550	Simulation of nanotubular forms of matter. <i>Russian Chemical Reviews</i> , 1999, 68, 103-118.	6.5	31
1551	New Metallic Crystalline Carbon: Three Dimensionally Polymerized C ₆₀ Fullerite. <i>Physical Review Letters</i> , 1999, 83, 1986-1989.	7.8	117
1552	Controlled Chemical Routes to Nanotube Architectures, Physics, and Devices. <i>Journal of Physical Chemistry B</i> , 1999, 103, 11246-11255.	2.6	216
1553	Interference-Modulated Conductance in a Three-Terminal Nanotube System. <i>Journal of Physical Chemistry B</i> , 1999, 103, 8671-8674.	2.6	22
1554	Growth of Carbon Nanotubules on Fe/HMS Mesoporous Molecular Sieve Materials. <i>Molecular Crystals and Liquid Crystals</i> , 1999, 337, 201-204.	0.3	1
1555	Boron nitride nanotubes, webs, and coexisting amorphous phase formed by the plasma jet method. <i>Applied Physics Letters</i> , 1999, 75, 929-931.	3.3	74
1556	Symmetry Effects on the Conductance of Nanotube Junctions. <i>Journal of Physical Chemistry B</i> , 1999, 103, 10378-10381.	2.6	9
1557	Structures of Boron Nitride Nanotubes with Single-Layer and Multilayers Produced by Arc Discharge. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 159-163.	1.5	55
1558	Electrochemistry Using Single Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 1999, 121, 3779-3780.	13.7	282
1559	Quantitative Formation of Coordination Nanotubes Templated by Rodlike Guests. <i>Journal of the American Chemical Society</i> , 1999, 121, 7457-7458.	13.7	274
1560	Design, Synthesis, Crystal Structure, and Host-Guest Properties of Polymethylene-Bridged Cystine-Based Cyclobisamides: A Facile Entry into Hydrogen-Bonded Peptide Nanotubes. <i>Journal of Organic Chemistry</i> , 1999, 64, 9230-9240.	3.2	40
1561	Patterned Growth of Well-Aligned Carbon Nanotubes: A Photolithographic Approach. <i>Journal of the American Chemical Society</i> , 1999, 121, 10832-10833.	13.7	126
1562	Full symmetry, optical activity, and potentials of single-wall and multiwall nanotubes. <i>Physical Review B</i> , 1999, 60, 2728-2739.	3.2	276
1563	Effective-Mass Theory of Carbon Nanotubes with Vacancy. <i>Journal of the Physical Society of Japan</i> , 1999, 68, 3994-4008.	1.6	54
1564	Thermal conductivity of single-walled carbon nanotubes. <i>Physical Review B</i> , 1999, 59, R2514-R2516.	3.2	1,042
1565	Electron scattering by a large molecule: Application to (n,n) nanotubes. <i>Physical Review A</i> , 1999, 60, 2194-2199.	2.5	15

#	ARTICLE	IF	CITATIONS
1566	Multiwalled carbon nanotubes growth in anodic alumina nanoholes. Applied Physics Letters, 1999, 75, 2044-2046.	3.3	143
1567	Metal-Nanocluster-Filled Carbon Nanotubes: Catalytic Properties and Possible Applications in Electrochemical Energy Storage and Production. Langmuir, 1999, 15, 750-758.	3.5	405
1568	Stability, geometry, and electronic structure of the boron nitride B ₃₆ N ₃₆ fullerene. Applied Physics Letters, 1999, 75, 61-63.	3.3	119
1569	Broken symmetry and pseudogaps in ropes of carbon nanotubes. Physical Review B, 1999, 60, 7899-7904.	3.2	67
1570	Optimization of Carbon Nanotube Arrays for Hydrogen Adsorption. Journal of Physical Chemistry B, 1999, 103, 4809-4813.	2.6	203
1571	Formation of Silver Nanowires by a Novel Solid-Liquid Phase Arc Discharge Method. Chemistry of Materials, 1999, 11, 545-546.	6.7	178
1572	FT-ICR Studies of Laser Desorbed Carbon Clusters.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1999, 65, 3791-3798.	0.2	0
1573	Recent Progress in Fullerenes (C ₆₀ and Nanotube).. Kobunshi, 1999, 48, 132-135.	0.0	0
1574	Processing and Performance of Electric Double-Layer Capacitors with Block-Type Carbon Nanotube Electrodes. Bulletin of the Chemical Society of Japan, 1999, 72, 2563-2566.	3.2	80
1575	Control of supercritical gases with solid nanospace – environmental aspects. Studies in Surface Science and Catalysis, 1999, 120, 635-657.	1.5	12
1577	Thermal Properties of Carbon Toroids. Journal of the Physical Society of Japan, 1999, 68, 3585-3591.	1.6	6
1578	Synthesis of Carbon Nanotube Composites in Nanochannels of an Anodic Aluminum Oxide Film. Bulletin of the Chemical Society of Japan, 1999, 72, 1957-1970.	3.2	87
1579	Ï€-Electronic Excitations in Multiwalled Carbon Nanotubes. Journal of the Physical Society of Japan, 1999, 68, 3806-3809.	1.6	1
1580	High-resolution transmission electron microscopy study of a cross-linked fullerene-related multilayer graphitic material. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 1155-1166.	0.6	7
1581	Plasmon excitations in carbon nanotubes. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1999, 79, 1531-1548.	0.6	31
1582	<title>Structural studies of carbon nanotubes by wide-angle neutron scattering</title>., 1999, , .		2
1583	Fullerene und Nanoröhren: Materialien für das nächste Jahrhundert?. Nachrichten Aus Der Chemie, 1999, 47, 768-776.	0.0	2
1584	Effect of Gas Adsorption on the Electrical Properties of Single-Walled Carbon Nanotubes Mats. Materials Research Society Symposia Proceedings, 1999, 593, 173.	0.1	22

#	ARTICLE	IF	CITATIONS
1585	Mechanism of Efficient Field Emission from Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1999, 558, 75.	0.1	0
1586	Oriented Si nanowires grown via an SLS mechanism. Materials Research Society Symposia Proceedings, 1999, 581, 231.	0.1	2
1587	Composite Nanowires from Ion Beam Modification of Si Nanowires. Materials Research Society Symposia Proceedings, 1999, 581, 235.	0.1	0
1588	Purification and Characterization of Single-Walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1999, 593, 123.	0.1	3
1589	Direct Observation of Intercalant and Catalyst Particle in Single Wall Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1999, 593, 129.	0.1	2
1590	Electronic Properties of Potassium-Doped Carbon Nanotube Lattice. Materials Research Society Symposia Proceedings, 1999, 593, 161.	0.1	1
1591	Study of Carbon Nanotubes Under High Pressure. Materials Research Society Symposia Proceedings, 1999, 593, 179.	0.1	1
1592	Aligned Carbon Nanotubes Via Microwave Plasma Enhanced Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 1999, 593, 39.	0.1	1
1593	A Surface Diffusion Model for Nanotube Growth. Materials Research Society Symposia Proceedings, 1999, 593, 69.	0.1	0
1594	Investigation of Optical Limiting Mechanism in Multiwalled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 1999, 597, 233.	0.1	0
1595	Non Linear Optical Properties of Singlewall Carbon Nanotubes for Optical Limiting. Materials Research Society Symposia Proceedings, 1999, 597, 257.	0.1	4
1596	<title>Synthesis of single-wall carbon nanotubes by laser ablation</title>. , 1999, , .		0
1597	Molecular Dynamics Simulations of Formation of Metal-Containing Fullerene.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1999, 65, 431-436.	0.2	1
1598	Synthesis, Structure, and Superconducting Properties of NbC Nanorods and Nanoparticles. Materials Transactions, JIM, 1999, 40, 118-122.	0.9	6
1599	Simulation of Adsorption in Micropores. Membrane Science and Technology, 2000, 6, 231-256.	0.5	11
1600	Electronic structure of carbon nanotubes. , 2000, , 205-218.		1
1601	Relationship between intrinsic pore-wall corrugation and adsorption hysteresis of N2, O2, and Ar on regular mesopores. Studies in Surface Science and Catalysis, 2000, 128, 167-176.	1.5	2
1602	Stabilized cluster formation of supercritical Xe in carbon nanopores. Studies in Surface Science and Catalysis, 2000, 129, 711-720.	1.5	0

#	ARTICLE	IF	CITATIONS
1603	Large scale synthesis of carbon nanofibers by catalytic decomposition of hydrocarbon. Studies in Surface Science and Catalysis, 2000, , 193-200.	1.5	2
1604	Effective Doping in Novel sp ² Bonded Carbon Allotropes. , 0, , 271-285.		0
1605	Preparation and Characterization of B-C-N Nanotubes by a Rapid Quenching Method.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2000, 47, 627-635.	0.2	0
1606	Contact between Carbon Nanotube and Metallic Electrode. Journal of the Physical Society of Japan, 2000, 69, 2175-2181.	1.6	19
1607	Molecular Nanotechnology in Aerospace: 1999. , 2000, , 502.		2
1608	Wires, switches, and wiring. A route toward a chemically assembled electronic nanocomputer. Pure and Applied Chemistry, 2000, 72, 11-20.	1.9	62
1609	22.1: Invited Paper : High-€Luminance Carbon Nanotube FED. Digest of Technical Papers SID International Symposium, 2000, 31, 320-323.	0.3	16
1611	Large -€Pillow-€Fullerenes as Graphite without Dangling Bonds. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 249-265.	0.6	4
1612	Catalytic formation of carbon nanotubes on Fe-loading molecular sieves materials: an XPS study. Studies in Surface Science and Catalysis, 2000, , 483-490.	1.5	1
1613	FIELD EMISSION FROM CARBON FILMS GROWN BY THE CATHODIC ARC PROCESS. International Journal of Modern Physics B, 2000, 14, 301-307.	2.0	7
1614	P-37: Field Emission from Carbon Nanotubes Grown by Layer-€by-€Layer Deposition Method Using Plasma Chemical Vapor Deposition. Digest of Technical Papers SID International Symposium, 2000, 31, 666-669.	0.3	1
1615	The microstructural analysis of SiC nanorods by high-resolution electron microscopy. Journal of Electron Microscopy, 2000, 49, 641-649.	0.9	5
1616	Deposition Of Nanotubes and Nanotube Composites Using Matrix-Assisted Pulsed Laser Evaporation. Materials Research Society Symposia Proceedings, 2000, 617, 231.	0.1	21
1617	Electron Emission of Vertically Aligned Carbon Nanotubes Grown on a Large Area Silicon Substrate by Thermal Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2000, 621, 5141.	0.1	2
1618	Under-Gate Triode Type Field Emission Displays with Carbon Nanotube Emitters. Materials Research Society Symposia Proceedings, 2000, 621, 521.	0.1	7
1619	Fabrication of High-Density Carbon-Nanotube Coatings on Microstructured Substrates. Materials Research Society Symposia Proceedings, 2000, 621, 741.	0.1	0
1620	Chemical effects observed in the SERS spectra of single wall nanotubes. Materials Research Society Symposia Proceedings, 2000, 633, 1141.	0.1	0
1621	Energetics and Structural Investigation of Double-Walled Carbon and Silicon Nanotubes. Materials Research Society Symposia Proceedings, 2000, 633, 13411.	0.1	4

#	ARTICLE	IF	CITATIONS
1622	Synthesis of Carbon, Silicon, and Boron-nitride Nanostructures via Microwave Plasma Enhanced Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2000, 633, 13421.	0.1	0
1623	Purity and Solubility of Nanotubes in Arc Discharge Carbon Powder. Materials Research Society Symposia Proceedings, 2000, 633, 1361.	0.1	0
1624	Well-aligned carbon nanofibers synthesized by electron cyclotron resonance chemical vapor deposition. Materials Research Society Symposia Proceedings, 2000, 633, 621.	0.1	0
1625	22.3: A Reflective-Type Carbon Nanotube Field Emission Display. Digest of Technical Papers SID International Symposium, 2000, 31, 329-331.	0.3	11
1626	Synthesis of Carbon Tubes Using Microwave Plasma-assisted Chemical Vapor Deposition. Journal of Materials Research, 2000, 15, 1749-1753.	2.6	6
1627	Multiwall Carbon Nanotubes by Hydrothermal Treatment. Materials Research Society Symposia Proceedings, 2000, 633, 13321.	0.1	0
1629	Block Copolymer Nanotubes. Angewandte Chemie - International Edition, 2000, 39, 340-344.	13.8	196
1630	An instability condition for the Hartree-Fock solution of the infinite one-dimensional system with two-crossing bands. I. Singlet-instability check of metallic carbon nanotube. International Journal of Quantum Chemistry, 2000, 76, 574-582.	2.0	1
1631	Electron theory related to mechanical properties of condensed phases. International Journal of Quantum Chemistry, 2000, 77, 1049-1059.	2.0	0
1632	Preparation of CdS Single-Crystal Nanowires by Electrochemically Induced Deposition. Advanced Materials, 2000, 12, 520-522.	21.0	275
1633	Silver Nanowires as Templates for Preparation of Amorphous Carbon Nanotubes. Journal of Colloid and Interface Science, 2000, 225, 254-256.	9.4	11
1634	Boron Nitride Analogs of Fullerenes (the Fulborenes), Nanotubes, and Fullerites (the Fulborenites). Journal of Solid State Chemistry, 2000, 154, 214-222.	2.9	154
1635	Boron Quasicrystals and Boron Nanotubes: Ab Initio Study of Various B96 Isomers. Journal of Solid State Chemistry, 2000, 154, 269-274.	2.9	51
1636	Quantum-dot transport in carbon nanotubes. Superlattices and Microstructures, 2000, 27, 551-554.	3.1	8
1638	Aligned Coaxial Nanowires of Carbon Nanotubes Sheathed with Conducting Polymers. Angewandte Chemie - International Edition, 2000, 39, 3664-3667.	13.8	235
1639	Growth behaviour of straight crystalline copper sulphide nanowires. Advanced Materials for Optics and Electronics, 2000, 10, 39-45.	0.4	28
1640	Building molecular frameworks with tailored pore structures. Journal of Physical Organic Chemistry, 2000, 13, 858-869.	1.9	20
1641	Effect of hydrogen on the orientation of carbon layers in deposits from the carbon monoxide disproportionation reaction over Co/Al ₂ O ₃ catalysts. Carbon, 2000, 38, 1469-1479.	10.3	52

#	ARTICLE	IF	CITATIONS
1642	The morphology changes of carbon nanotubes under laser irradiation. Carbon, 2000, 38, 636-638.	10.3	43
1643	A novel technique for the formation of carbon-encapsulated metal nanoparticles on silicon. Carbon, 2000, 38, 781-785.	10.3	24
1644	Preparation of carbon nanofibers by the floating catalyst method. Carbon, 2000, 38, 1933-1937.	10.3	96
1645	Large-scale synthesis and HRTEM analysis of single-walled B- and N-doped carbon nanotube bundles. Carbon, 2000, 38, 2017-2027.	10.3	228
1646	Formation of carbon nanotubes from jet fuel on superalloys at moderate temperature and high pressure. Carbon, 2000, 38, 1512-1515.	10.3	7
1647	Intercalation of nickel atoms under two-dimensional graphene film on (111)Ir. Carbon, 2000, 38, 663-667.	10.3	26
1648	Field emission from carbon nanotubes and its application to electron sources. Carbon, 2000, 38, 169-182.	10.3	647
1649	Property control of carbon materials by fluorination. Carbon, 2000, 38, 241-267.	10.3	303
1650	Fullerenic carbon in combustion-generated soot. Carbon, 2000, 38, 597-614.	10.3	155
1651	Study of multiwalled graphite nanotubes and filaments formation from carbonized products of polyvinyl alcohol via catalytic graphitization at 600–800°C in nitrogen atmosphere. Carbon, 2000, 38, 1075-1082.	10.3	102
1652	Preparation of thin carbon fibers from phenol–formaldehyde polymer micro-beads dispersed in polyethylene matrix. Carbon, 2000, 38, 1141-1144.	10.3	71
1653	A preferentially ordered accumulation of bromine on multi-wall carbon nanotubes. Carbon, 2000, 38, 1135-1139.	10.3	29
1654	Evidence for an open-ended nanotube growth model in arc discharge. Carbon, 2000, 38, 480-483.	10.3	14
1655	The structure of nanotubes fabricated by carbon evaporation at high gas pressure. Carbon, 2000, 38, 1217-1240.	10.3	47
1656	Measuring the helicity of carbon nanotubes. Carbon, 2000, 38, 1713-1721.	10.3	38
1657	Mechanical and electronic properties of carbon and boron–nitride nanotubes. Carbon, 2000, 38, 1681-1690.	10.3	171
1658	Microcrystalline SWNT material. Carbon, 2000, 38, 1723-1727.	10.3	10
1659	Scanning tunneling microscopy and spectroscopy of topological defects in carbon nanotubes. Carbon, 2000, 38, 1729-1733.	10.3	47

#	ARTICLE	IF	CITATIONS
1660	Material contrast by combined scanning tunneling and force microscopy imaging of single-walled carbon nanotubes. Carbon, 2000, 38, 1735-1739.	10.3	5
1661	A simple method for the continuous production of carbon nanotubes. Chemical Physics Letters, 2000, 319, 457-459.	2.6	195
1662	Large and ultrafast third-order optical non-linearity of single-wall carbon nanotubes at 820 nm. Chemical Physics Letters, 2000, 320, 411-414.	2.6	70
1663	Enhancement of adsorption inside of single-walled nanotubes: opening the entry ports. Chemical Physics Letters, 2000, 321, 292-296.	2.6	442
1664	Fluorinated cage multiwall carbon nanoparticles. Chemical Physics Letters, 2000, 322, 231-236.	2.6	46
1665	A scalable CVD method for the synthesis of single-walled carbon nanotubes with high catalyst productivity. Chemical Physics Letters, 2000, 322, 321-326.	2.6	359
1666	Surfactant-assisted growth of crystalline copper sulphide nanowire arrays. Chemical Physics Letters, 2000, 322, 567-571.	2.6	90
1667	Flame synthesis of substrate-supported metal-catalyzed carbon nanotubes. Chemical Physics Letters, 2000, 324, 217-223.	2.6	83
1668	Growth of well-aligned carbon nanotubes on a large area of Co–Ni co-deposited silicon oxide substrate by thermal chemical vapor deposition. Chemical Physics Letters, 2000, 323, 554-559.	2.6	53
1669	Boron-catalyzed multi-walled carbon nanotube growth with the reduced number of layers by laser ablation. Chemical Physics Letters, 2000, 324, 224-230.	2.6	23
1670	Preparation and characterization of CdS nanowire arrays by dc electrodeposit in porous anodic aluminum oxide templates. Chemical Physics Letters, 2000, 325, 340-344.	2.6	149
1671	Growth and field electron emission of vertically aligned multiwalled carbon nanotubes. Chemical Physics Letters, 2000, 326, 175-180.	2.6	82
1672	Ab initio study of the elastic properties of single-walled carbon nanotubes and graphene. Chemical Physics Letters, 2000, 326, 181-185.	2.6	465
1673	Enhanced saturation lithium composition in ball-milled single-walled carbon nanotubes. Chemical Physics Letters, 2000, 327, 69-75.	2.6	329
1674	Bulk-quantity GaN nanowires synthesized from hot filament chemical vapor deposition. Chemical Physics Letters, 2000, 327, 263-270.	2.6	133
1675	Low-temperature growth of carbon nanotubes by thermal chemical vapor deposition using Pd, Cr, and Pt as co-catalyst. Chemical Physics Letters, 2000, 327, 277-283.	2.6	71
1676	Large-scale synthesis of β -SiC nanowires by using mesoporous silica embedded with Fe nanoparticles. Chemical Physics Letters, 2000, 329, 323-328.	2.6	154
1677	Catalytic growth of carbon nanoballs with and without cobalt encapsulation. Chemical Physics Letters, 2000, 330, 41-47.	2.6	85

#	ARTICLE	IF	CITATIONS
1678	Deposition of carbon nanotubes on Si nanowires by chemical vapor deposition. Chemical Physics Letters, 2000, 330, 48-52.	2.6	33
1679	Mechanical deformation in carbon nanotubes – bent tubes vs tubes pushed by atomically sharp tips. Chemical Physics Letters, 2000, 331, 21-25.	2.6	46
1680	Carbon nanorods. Chemical Physics Letters, 2000, 331, 31-34.	2.6	29
1681	Metal coating on suspended carbon nanotubes and its implication to metal–tube interaction. Chemical Physics Letters, 2000, 331, 35-41.	2.6	576
1682	A novel approach to bulk synthesis of carbon nanotubes filled with metal by a catalytic chemical vapor deposition method. Chemical Physics Letters, 2000, 332, 455-460.	2.6	68
1683	Controlling single-wall nanotube diameters with variation in laser pulse power. Chemical Physics Letters, 2000, 316, 13-18.	2.6	90
1684	Mass-production of boron nitride double-wall nanotubes and nanococoons. Chemical Physics Letters, 2000, 316, 211-216.	2.6	241
1685	Macroscopic synthesis and characterization of giant fullerenes. Chemical Physics Letters, 2000, 316, 205-210.	2.6	25
1686	Optical limiting in single-walled carbon nanotube suspensions. Chemical Physics Letters, 2000, 317, 510-514.	2.6	167
1687	Radially modulated nitrogen distribution in CN _x nanotubular structures prepared by CVD using Ni phthalocyanine. Chemical Physics Letters, 2000, 316, 365-372.	2.6	116
1688	Synthesis of GeO ₂ nanorods by carbon nanotubes template. Chemical Physics Letters, 2000, 317, 504-509.	2.6	78
1689	Synthesis of novel Sb ₂ O ₃ and Sb ₂ O ₅ nanorods. Chemical Physics Letters, 2000, 318, 49-52.	2.6	83
1690	Formation of GaN nanorods by a sublimation method. Journal of Crystal Growth, 2000, 213, 408-410.	1.5	125
1691	Generation of curved or closed-shell carbon nanostructures by ball-milling of graphite. Journal of Crystal Growth, 2000, 218, 57-61.	1.5	114
1692	Growth of silicon nanowires by chemical vapor deposition: approach by charged cluster model. Journal of Crystal Growth, 2000, 218, 33-39.	1.5	73
1693	Structural investigation of gallium oxide (Î²-Ga ₂ O ₃) nanowires grown by arc-discharge. Journal of Crystal Growth, 2000, 220, 494-500.	1.5	89
1694	Synthesis of titanium carbide nanowires. Journal of Crystal Growth, 2000, 219, 485-488.	1.5	43
1695	The growth mechanism of silicon nanowires and their quantum confinement effect. Journal of Crystal Growth, 2000, 209, 513-517.	1.5	84

#	ARTICLE	IF	CITATIONS
1696	On the electronic structure of WS ₂ nanotubes. Solid State Communications, 2000, 114, 245-248.	1.9	120
1697	Coating of carbon nanotubes with tungsten by physical vapor deposition. Solid State Communications, 2000, 115, 51-55.	1.9	43
1698	Observation of magnetic-field-modulated energy gap in carbon nanotubes. Solid State Communications, 2000, 115, 467-471.	1.9	31
1699	Synthesis of coaxial nanowires of silicon nitride sheathed with silicon and silicon oxide. Solid State Communications, 2000, 115, 683-686.	1.9	71
1700	Novel NbS ₂ metallic nanotubes. Solid State Communications, 2000, 115, 635-638.	1.9	95
1701	Carbon nanotubes synthesised in channels of AlPO ₄₋₅ single crystals: first X-ray scattering investigations. Solid State Communications, 2000, 116, 99-103.	1.9	46
1702	Fermi level quantum numbers and secondary gap of conducting carbon nanotubes. Solid State Communications, 2000, 116, 265-267.	1.9	22
1703	Random access of nanodevices. Solid State Communications, 2000, 113, 549-552.	1.9	9
1704	Image potential in scanning transmission electron microscopy. Progress in Surface Science, 2000, 65, 1-64.	8.3	59
1705	Synthesis of fullerenes and fullerene nanostructures in a low-pressure benzene/oxygen diffusion flame. Proceedings of the Combustion Institute, 2000, 28, 1397-1404.	3.9	46
1706	Cyclacene tubes having silaannulenic peripheriesâ€™AM1 treatment. Journal of Physics and Chemistry of Solids, 2000, 61, 1041-1045.	4.0	3
1707	Single-walled tubes and encapsulated nanoparticles: comparison of structural properties of carbon nanoclusters prepared by three different methods. Journal of Physics and Chemistry of Solids, 2000, 61, 1055-1067.	4.0	43
1708	Synthesis of silicon nanowires using AuPd nanoparticles catalyst on silicon substrate. Journal of Physics and Chemistry of Solids, 2000, 61, 1171-1174.	4.0	28
1709	The electrical behavior of carbon nanotubes under high pressure. Journal of Physics and Chemistry of Solids, 2000, 61, 1175-1178.	4.0	42
1710	Carbon films with high density nanotubes produced using microwave plasma assisted CVD. Journal of Physics and Chemistry of Solids, 2000, 61, 1179-1183.	4.0	29
1711	Chemical vapor deposition of novel carbon materials. Thin Solid Films, 2000, 368, 193-197.	1.8	36
1712	Low-frequency electronic excitations in doped carbon nanotubes. Physica B: Condensed Matter, 2000, 292, 117-126.	2.7	10
1713	Electrical transport properties of mono-dispersed single-wall carbon nanotubes formed in channels of zeolite crystal. Physica B: Condensed Matter, 2000, 279, 200-203.	2.7	25

#	ARTICLE	IF	CITATIONS
1714	Effect of lattice vacancy on conductance of carbon nanotubes. Physica B: Condensed Matter, 2000, 284-288, 1746-1747.	2.7	11
1715	Growth and emission properties of $\text{In}_2\text{-SiC}$ nanorods. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 286, 119-124.	5.6	52
1716	Synthesis and characterization of nanowires and nanocables. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 286, 34-38.	5.6	90
1717	Design and characterization of materials on the atomic scale. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 286, 87-90.	5.6	7
1718	Synthesis, atomic structures and properties of carbon and boron nitride fullerene materials. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 74, 206-217.	3.5	203
1719	Preparation of carbon nanofibers by hot filament-assisted sputtering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 74, 218-221.	3.5	10
1720	Conductance quantization in the presence of huge and short-range potential in carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 872-875.	2.7	5
1721	Huge magnetoresistance by phonon scattering in carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 6, 864-867.	2.7	28
1722	Mössbauer spectroscopy study of MgAl_2O_4 -matrix nanocomposite powders containing carbon nanotubes and iron-based nanoparticles. Acta Materialia, 2000, 48, 3015-3023.	7.9	36
1723	Electroceramic materials. Acta Materialia, 2000, 48, 151-178.	7.9	377
1724	Catalytic synthesis of carbon nanostructures from polymer precursors. Journal of Molecular Catalysis A, 2000, 158, 301-307.	4.8	46
1725	Production of nanotubes by the catalytic decomposition of different carbon-containing compounds. Applied Catalysis A: General, 2000, 199, 245-255.	4.3	166
1726	Carbon nanotube synthesized on metallic substrates. Applied Surface Science, 2000, 162-163, 452-456.	6.1	71
1727	Filled and mixed nanotubes: from TEM studies to the growth mechanism within a phase-diagram approach. Applied Surface Science, 2000, 164, 227-240.	6.1	43
1728	Carbon nanotubes as tips in non-contact SFM. Applied Surface Science, 2000, 157, 269-273.	6.1	36
1729	Carbon nanotubes: bibliometric analysis of patents. World Patent Information, 2000, 22, 185-189.	1.7	50
1730	Selective specimen preparation for TEM observation of the cross-section of individual carbon nanotube/metal junctions. Ultramicroscopy, 2000, 85, 93-98.	1.9	13
1731	Hydrogen uptake by carbon nanotubes. International Journal of Hydrogen Energy, 2000, 25, 261-265.	7.1	128

#	ARTICLE	IF	CITATIONS
1732	Synthesis and hydrogenation behaviour of graphitic nanofibres. International Journal of Hydrogen Energy, 2000, 25, 825-830.	7.1	76
1733	Similarity of micro- and macrotubules in tokamak dust and plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 269, 363-367.	2.1	22
1734	Composite nanomaterials based on fractal-shaped structures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 277, 267-272.	2.1	10
1735	Carbon nanotubes in novel ceramic matrix nanocomposites. Ceramics International, 2000, 26, 677-683.	4.8	370
1736	Simultaneous intercalation of cesium and potassium atoms into a two-dimensional graphite film on Ir(111). JETP Letters, 2000, 71, 457-459.	1.4	5
1737	Electronic structure of carbon multilayer nanotubes. JETP Letters, 2000, 72, 53-56.	1.4	11
1738	A model of conduction in carbon nanopipe bundles and films. Semiconductors, 2000, 34, 1199-1202.	0.5	0
1739	Electronic structure model of a metal-filled carbon nanotube. Physics of the Solid State, 2000, 42, 1966-1971.	0.6	7
1740	Diffraction and channeling in nanotubes. Journal of Experimental and Theoretical Physics, 2000, 91, 504-514.	0.9	20
1741	Conductivity of carbon nanotubes in a longitudinal magnetic field. JETP Letters, 2000, 72, 419-421.	1.4	1
1742	Inhibitor of neurite outgrowth in humans. Nature, 2000, 403, 383-384.	27.8	541
1743	Creating the narrowest carbon nanotubes. Nature, 2000, 403, 384-384.	27.8	134
1744	Global spread of microorganisms by ships. Nature, 2000, 408, 49-50.	27.8	509
1745	The smallest carbon nanotube. Nature, 2000, 408, 50-50.	27.8	391
1746	Single-walled 4 Å... carbon nanotube arrays. Nature, 2000, 408, 50-51.	27.8	383
1747	Hydrodynamic stimuli and the fish lateral line. Nature, 2000, 408, 51-52.	27.8	234
1748	Nonlinear optical properties of some polymer/multi-walled carbon nanotube composites. Chemical Physics Letters, 2000, 318, 505-510.	2.6	179
1749	The 500 MHz to 5.50 GHz complex permittivity spectra of single-wall carbon nanotube-loaded polymer composites. Chemical Physics Letters, 2000, 319, 460-464.	2.6	220

#	ARTICLE	IF	CITATIONS
1750	Synthesis and characterization of single-walled nanotubes produced with Ce/Ni as catalysts. Chemical Physics Letters, 2000, 320, 365-372.	2.6	45
1751	Synthesis of lead sulfide/(polyvinyl acetate) nanocomposites with controllable morphology. Chemical Physics Letters, 2000, 321, 504-507.	2.6	53
1752	Surface defect site density on single walled carbon nanotubes by titration. Chemical Physics Letters, 2000, 324, 213-216.	2.6	370
1753	Synthesis of bamboo-shaped multiwalled carbon nanotubes using thermal chemical vapor deposition. Chemical Physics Letters, 2000, 323, 560-565.	2.6	113
1754	Role of nickel particles in selected growth of boron carbonitride tubular structures. Chemical Physics Letters, 2000, 325, 485-489.	2.6	25
1755	Theoretical prediction of phosphorus nanotubes. Chemical Physics Letters, 2000, 318, 355-360.	2.6	146
1756	Control of the outer diameter of thin carbon nanotubes synthesized by catalytic decomposition of hydrocarbons. Chemical Physics Letters, 2000, 317, 71-76.	2.6	164
1757	Mechanical and physical properties on carbon nanotube. Journal of Physics and Chemistry of Solids, 2000, 61, 1153-1158.	4.0	386
1758	A scheme for the passage from atomic to continuum theory for thin films, nanotubes and nanorods. Journal of the Mechanics and Physics of Solids, 2000, 48, 1519-1540.	4.8	91
1759	Optical limiting properties of singlewall carbon nanotubes. Optics Communications, 2000, 174, 271-275.	2.1	92
1760	DESIGN AND DEPLOYMENT OF A SPACE ELEVATOR. Acta Astronautica, 2000, 47, 735-744.	3.2	129
1761	Carbon onions formation by high-dose carbon ion implantation into copper and silver. Surface and Coatings Technology, 2000, 128-129, 43-50.	4.8	76
1762	Growth characteristics of carbon nanotubes by plasma enhanced hot filament chemical vapor deposition. Surface and Coatings Technology, 2000, 131, 93-97.	4.8	30
1763	Carbon nanotube arrays. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2000, 286, 11-15.	5.6	49
1764	Helical Diffraction from Tubular Structures. Materials Characterization, 2000, 44, 407-412.	4.4	6
1765	Carbon nanotubes: Exceptional mechanical and electronic properties. Annales De Chimie: Science Des Matériaux, 2000, 25, 529-532.	0.4	69
1766	Synthesis of hierarchical materials. Trends in Biotechnology, 2000, 18, 370-374.	9.3	29
1767	Solvothermal preparation of tin phosphide nanorods. Materials Research Bulletin, 2000, 35, 675-680.	5.2	30

#	ARTICLE	IF	CITATIONS
1768	Synthesis of carbon nanotubesâ€“Feâ€“Al ₂ O ₃ powders.. Materials Research Bulletin, 2000, 35, 661-673.	5.2	25
1769	A Microscopic Description of Quantum Fluids Adsorbed in Carbon Nanotubes. Journal of Low Temperature Physics, 2000, 121, 543-548.	1.4	5
1770	Ferromagnetic- and Superconducting-Like Behavior of Graphite. Journal of Low Temperature Physics, 2000, 119, 691-702.	1.4	238
1771	Conductivity and Magnetic Susceptibility of Nanotube/Polypyrrole Nanocomposites. Journal of Low Temperature Physics, 2000, 119, 41-48.	1.4	35
1772	Title is missing!. Journal of Materials Science, 2000, 35, 2413-2419.	3.7	13
1773	Title is missing!. Journal of Materials Science Letters, 2000, 19, 1769-1770.	0.5	0
1774	A new method for synthesizing single-wall carbon nanotubes. Journal of Materials Science Letters, 2000, 19, 511-514.	0.5	3
1775	In-situ Cu ₂ O formation on amorphous carbon nanotubes induced by electron beam. Journal of Materials Science Letters, 2000, 19, 671-673.	0.5	10
1776	Catalytic growth of carbon nanofibers on a porous carbon nanotubes substrate. Journal of Materials Science Letters, 2000, 19, 1929-1931.	0.5	16
1777	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2000, 13, 607-612.	0.5	10
1778	Methane Adsorption on Planar WS ₂ and on WS ₂ -Fullerene and -Nanotube Containing Samples. Adsorption, 2000, 6, 169-174.	3.0	6
1779	Mechanics and Friction at the Nanometer Scale. Journal of Nanoparticle Research, 2000, 2, 237-248.	1.9	55
1780	Multilayer Film Assembly of Carbon Nanotubes. Journal of Nanoparticle Research, 2000, 2, 387-389.	1.9	10
1781	From ceramicâ€“matrix nanocomposites to the synthesis of carbon nanotubes. Hyperfine Interactions, 2000, 130, 275-300.	0.5	10
1782	Plasma decomposition of carbon-bearing reactants. European Physical Journal D, 2000, 50, 615-622.	0.4	2
1783	A TG-MS study of poly(vinyl butyral)/phenol-formaldehyde resin blend fiber. Carbon, 2000, 38, 1515-1519.	10.3	27
1784	Carbon Nanotubes: A Future Material of Life. IUBMB Life, 2000, 49, 105-108.	3.4	16
1785	Germanium nanowires sheathed with an oxide layer. Physical Review B, 2000, 61, 4518-4521.	3.2	171

#	ARTICLE	IF	CITATIONS
1786	Growth model of bamboo-shaped carbon nanotubes by thermal chemical vapor deposition. Applied Physics Letters, 2000, 77, 3397-3399.	3.3	244
1787	Structure and Electrochemical Properties of Carbon Nanotube Intercalation Compounds. Molecular Crystals and Liquid Crystals, 2000, 340, 541-546.	0.3	14
1788	A Catalytic-Assembly Solvothermal Route to Multiwall Carbon Nanotubes at a Moderate Temperature. Journal of the American Chemical Society, 2000, 122, 12383-12384.	13.7	158
1789	Optical properties of aligned carbon nanotube systems studied by the effective-medium approximation method. Physical Review B, 2000, 63, .	3.2	49
1790	Synthesis and Characterization of Helical Multi-Shell Gold Nanowires. Science, 2000, 289, 606-608.	12.6	724
1791	Disturbance spreading in incommensurate and quasiperiodic systems. Physical Review B, 2000, 61, 9414-9418.	3.2	5
1792	Strong Luminescence of Solubilized Carbon Nanotubes. Journal of the American Chemical Society, 2000, 122, 5879-5880.	13.7	729
1793	Aspects of technology transfer. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2000, 31, 1153-1162.	2.1	15
1794	Preparation of Pt-Ru bimetallic catalyst supported on carbon nanotubes. Bulletin of Materials Science, 2000, 23, 341-344.	1.7	18
1795	Single wall carbon nanotubes and their electrical properties. Science in China Series A: Mathematics, 2000, 43, 1182-1188.	0.5	2
1796	Preparation of very long and open aligned carbon nanotubes. Science in China Series A: Mathematics, 2000, 43, 210-216.	0.5	0
1797	Deposition of the platinum crystals on the carbon nanotubes. Science Bulletin, 2000, 45, 134-137.	1.7	12
1798	Well-aligned carbon nanotube array membrane synthesized in porous alumina template by chemical vapor deposition. Science Bulletin, 2000, 45, 1373-1376.	1.7	27
1799	Development of supercapacitors based on carbon nanotubes. Science in China Series D: Earth Sciences, 2000, 43, 178-182.	0.9	9
1800	Synthesis and characterization of well-aligned carbon nitrogen nanotubes by microwave plasma chemical vapor deposition. Science in China Series D: Earth Sciences, 2000, 43, 71-76.	0.9	4
1801	Controlling growth of aligned carbon nanotubes from porous silicon templates. Science in China Series B: Chemistry, 2000, 43, 459-465.	0.8	2
1802	New Application of Carbon Nanotubes. Gas Storage of Carbon Nanotubes.. Hyomen Kagaku, 2000, 21, 553-559.	0.0	0
1803	Ï€-Electronic Excitations in Intercalated Carbon Nanotubes. Journal of the Physical Society of Japan, 2000, 69, 1538-1542.	1.6	0

#	ARTICLE	IF	CITATIONS
1804	Correlation of Fabrication and Structural/Electronic Properties of Carbon Nanotubes Using TEM/EELS. Microscopy and Microanalysis, 2000, 6, 204-205.	0.4	0
1805	Analysis of single wall carbon nanotubes by Raman scattering. , 2000, , 193-204.		0
1806	Fullerenes and Nanotubes—An introduction. AIP Conference Proceedings, 2000, , .	0.4	1
1807	Single carbon nanotube electronic devices. AIP Conference Proceedings, 2000, , .	0.4	0
1808	Carbon-nanotube-based nanotechnology in an integrated modeling and simulation environment. , 2000, , 665-705.		2
1809	Scanning tunneling microscopy observation of tightly wound, single-wall coiled carbon nanotubes. Europhysics Letters, 2000, 50, 494-500.	2.0	34
1810	FROM CARBON NANOTUBES TO CARBON NANORODS. International Journal of Modern Physics C, 2000, 11, 1247-1255.	1.7	14
1811	FABRICATION OF ELECTRON FIELD EMITTERS USING CARBON NANOTUBES. International Journal of High Speed Electronics and Systems, 2000, 10, 5-11.	0.7	1
1812	Thin Films of Carbon Nanocapsules and Onion-Like Graphitic Particles Prepared by the Cosputtering Method. Japanese Journal of Applied Physics, 2000, 39, 6680-6683.	1.5	28
1813	Luttinger liquid behavior in carbon nanotubes. , 2000, , 219-231.		1
1814	The theory of collective motion probed by light. Reports on Progress in Physics, 2000, 63, 41-70.	20.1	70
1815	ELECTRON ENERGY LOSS SPECTROSCOPY AND ANNULAR DARK FIELD IMAGING AT A NANOMETER RESOLUTION IN A SCANNING TRANSMISSION ELECTRON MICROSCOPE. Surface Review and Letters, 2000, 07, 475-494.	1.1	11
1816	STRUCTURAL AND ELECTRONIC PROPERTIES OF CARBON NANOTUBES. International Journal of Modern Physics C, 2000, 11, 175-182.	1.7	15
1817	A novel structure for flat-panel display with carbon nanotube cathode. , 0, , .		3
1818	Formation of low-resistance ohmic contacts between carbon nanotube and metal electrodes by a rapid thermal annealing method. Journal Physics D: Applied Physics, 2000, 33, 1953-1956.	2.8	151
1819	Bridging Size Scales with Self-Assembling Supramolecular Materials. MRS Bulletin, 2000, 25, 30-35.	3.5	15
1820	MOTT TRANSITION IN A HELIX-BASED COMPLEX. International Journal of Modern Physics B, 2000, 14, 1825-1842.	2.0	8
1821	Nanostructured carbon generated by chemical vapor deposition from acetylene on surfaces pretreated by a combination of physical and chemical methods. Journal of Materials Research, 2000, 15, 2087-2090.	2.6	3

#	ARTICLE	IF	CITATIONS
1822	Carbon nanotubes: a highly selective support for the C=C bond hydrogenation reaction. Studies in Surface Science and Catalysis, 2000, 143, 697-704.	1.5	14
1823	Preparation of Carbon Nanofibers by Hot-Filament-Assisted Sputtering. Japanese Journal of Applied Physics, 2000, 39, 4577-4579.	1.5	1
1824	NONLINEAR SCATTERING ORIGIN IN CARBON NANOTUBE SUSPENSIONS. Journal of Nonlinear Optical Physics and Materials, 2000, 09, 297-307.	1.8	46
1825	Dynamical Structure Factors of Single-Walled Carbon Nanotubes by Means of Molecular Dynamics Calculation. Journal of the Physical Society of Japan, 2000, 69, 2531-2535.	1.6	1
1826	Adsorption and transport of polyatomic species in one-dimensional systems: exact forms of the thermodynamic functions and chemical diffusion coefficient. Studies in Surface Science and Catalysis, 2000, 129, 655-664.	1.5	2
1827	Whiskers and Particulates. , 2000, , 175-198.		6
1828	Formation of NbSe ₂ Nanotubes by Electron Irradiation. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 143-151.	0.6	33
1829	Role of Interchain Hopping in Two Disordered Chains of Spinless Fermions. Journal of the Physical Society of Japan, 2000, 69, 3642-3649.	1.6	1
1830	Microprocess for fabricating carbon-nanotube probes of a scanning probe microscope. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 661.	1.6	49
1831	Carbon-nanotube probe equipped magnetic force microscope. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 104.	1.6	71
1832	Field emission from 4.5 in. single-walled and multiwalled carbon nanotube films. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 1054.	1.6	58
1833	Optical Properties of Nanographite Ribbons. Journal of the Physical Society of Japan, 2000, 69, 3529-3532.	1.6	68
1834	AuPd catalytic nanoparticle size effect on the formation of amorphous silicon nanowires. Chinese Physics B, 2000, 9, 774-777.	1.3	2
1835	Field Emission of Electrons from Graphitic Nanofibers Produced in a Hydrogen Arc Discharge. Japanese Journal of Applied Physics, 2000, 39, 4168-4173.	1.5	17
1836	Transport in multi-chain models of interacting fermions. Journal of Physics A, 2000, 33, 7363-7378.	1.6	0
1837	Modified group projectors: tight-binding method. Journal of Physics A, 2000, 33, 6561-6571.	1.6	48
1838	The formation of carbon filaments upon decomposition of hydrocarbons catalysed by iron subgroup metals and their alloys. Russian Chemical Reviews, 2000, 69, 623-638.	6.5	130
1839	Persistent currents and magnetic flux trapping in a multiply connected carbon nanotube structure. Physics-Uspexhi, 2000, 43, 847-853.	2.2	14

#	ARTICLE	IF	CITATIONS
1840	Quantum Dots in Carbon Nanotubes. Japanese Journal of Applied Physics, 2000, 39, 7053-7057.	1.5	27
1841	Theory of transport in carbon nanotubes. Semiconductor Science and Technology, 2000, 15, R13-R27.	2.0	59
1842	Helicity energy of a straight single-wall carbon nanotube. Physical Review B, 2000, 61, 12693-12696.	3.2	14
1843	Border states in heterosheets with hexagonal symmetry. Physical Review B, 2000, 62, 9896-9899.	3.2	70
1844	Tight binding molecular dynamics studies of boron assisted nanotube growth. Journal of Chemical Physics, 2000, 113, 3814-3821.	3.0	37
1845	Variable and reversible quantum structures on a single carbon nanotube. Physical Review B, 2000, 62, R16345-R16348.	3.2	50
1846	Optical properties of well-aligned multiwalled carbon nanotube bundles. Physical Review B, 2000, 61, 14114-14118.	3.2	54
1847	Kondo effect in crossed Luttinger liquids. Physical Review B, 2000, 61, 1853-1858.	3.2	6
1848	Blue-violet photoluminescence from large-scale highly aligned boron carbonitride nanofibers. Applied Physics Letters, 2000, 77, 67-69.	3.3	95
1849	Development and characterization of micro-coil carbon fibers by a microwave CVD system. Smart Materials and Structures, 2000, 9, 413-420.	3.5	34
1850	Smallest diameter carbon nanotubes. Applied Physics Letters, 2000, 77, 2831-2833.	3.3	68
1851	Fabrication of nanometer size gaps in a metallic wire. Applied Physics Letters, 2000, 76, 3828-3830.	3.3	68
1852	Pressure-induced interlinking of carbon nanotubes. Physical Review B, 2000, 62, 12648-12651.	3.2	116
1853	Zeeman effect on the electronic spectral properties of carbon nanotubes in an axial magnetic field. Physical Review B, 2000, 62, 13209-13215.	3.2	38
1854	Aharonov-Bohm spectral features and coherence lengths in carbon nanotubes. Physical Review B, 2000, 62, 16092-16099.	3.2	147
1855	Local electronic properties of single-wall nanotube circuits measured by conducting-tip AFM. Physical Review B, 2000, 62, R2307-R2310.	3.2	45
1856	Fabrication of metal nanowire using carbon nanotube as a mask. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 1329-1332.	2.1	62
1857	Pulse duration and wavelength effects on optical limiting behaviour in carbon nanotube suspensions. , 0, , .		0

#	ARTICLE	IF	CITATIONS
1858	The Physics of Fullerene-Based and Fullerene-Related Materials. Physics and Chemistry of Materials With Low-dimensional Structures, 2000, , .	1.0	48
1859	Substrate-site selective growth of aligned carbon nanotubes. Applied Physics Letters, 2000, 77, 3764-3766.	3.3	192
1860	Coiled structure of eccentric coaxial nanocable made of amorphous boron and silicon oxide. Applied Physics Letters, 2000, 76, 1564-1566.	3.3	25
1861	Electron emission and structural characterization of a rope of single-walled carbon nanotubes. Physical Review B, 2000, 61, 5683-5691.	3.2	94
1862	Growth and emission characteristics of vertically well-aligned carbon nanotubes grown on glass substrate by hot filament plasma-enhanced chemical vapor deposition. Journal of Applied Physics, 2000, 88, 7363-7365.	2.5	73
1863	Controllable method for fabricating single-wall carbon nanotube tips. Applied Physics Letters, 2000, 77, 966.	3.3	5
1864	Synthesis of MoS/sub 2/ nanostructures from nano-size powder by thermal annealing. , 0, , .		0
1865	Electron-phonon coupling and Peierls transition in metallic carbon nanotubes. Physical Review B, 2000, 62, 6975-6978.	3.2	32
1866	Electronic structure of polychiral carbon nanotubes. Physical Review B, 2000, 62, 5129-5135.	3.2	73
1867	Quasi-one-dimensional4Heinside carbon nanotubes. Physical Review B, 2000, 61, R878-R881.	3.2	65
1868	Peierls or Jahn-Teller effect in endohedrally doped silicon clathrates: An EXAFS study. Physical Review B, 2000, 61, 16550-16560.	3.2	43
1869	Electronic Transport in Y-Junction Carbon Nanotubes. Physical Review Letters, 2000, 85, 3476-3479.	7.8	310
1870	Quantum cables as transport spectroscopy for quasi-one-dimensional density of states of cylindrical quantum wires. Applied Physics Letters, 2000, 77, 2015-2017.	3.3	2
1871	Formation energies of topological defects in carbon nanotubes. Physical Review B, 2000, 62, 12652-12655.	3.2	64
1872	Relation between transmission rates and the wave functions in carbon nanotube junctions. Physical Review B, 2000, 61, 8548-8560.	3.2	12
1873	Vapor-grown atomic filaments of graphite. Applied Physics Letters, 2000, 76, 161-163.	3.3	2
1874	Carbon-atom chain formation in the core of nanotubes. Physical Review B, 2000, 61, R2472-R2474.	3.2	79
1875	Metalâ€“Kondo-insulating transitions and transport in one dimension. Physical Review B, 2000, 62, 4408-4425.	3.2	2

#	ARTICLE	IF	CITATIONS
1876	Column buckling of multiwalled carbon nanotubes with interlayer radial displacements. Physical Review B, 2000, 62, 16962-16967.	3.2	209
1877	Bandgap closure of a flattened semiconductor carbon nanotube: A first-principles study. Applied Physics Letters, 2000, 76, 1561-1563.	3.3	94
1878	Antilocalization in multiwalled carbon nanotubes. Physical Review B, 2000, 61, 2375-2379.	3.2	18
1879	Zero-Temperature Equation of State of Quasi-One-Dimensional H ₂ . Physical Review Letters, 2000, 85, 2348-2351.	7.8	63
1880	Condensation of Helium in Nanotube Bundles. Physical Review Letters, 2000, 84, 3883-3886.	7.8	113
1881	Curvature-induced symmetry breaking in nonlinear Schrödinger models. Physical Review E, 2000, 62, R53-R56.	2.1	49
1882	Molecular wires, solenoids, and capacitors by sidewall functionalization of carbon nanotubes. Applied Physics Letters, 2000, 77, 1313-1315.	3.3	86
1883	Stiffness of Single-Walled Carbon Nanotubes under Large Strain. Physical Review Letters, 2000, 84, 1712-1715.	7.8	181
1884	Smoothest Bearings: Interlayer Sliding in Multiwalled Carbon Nanotubes. Physical Review Letters, 2000, 85, 4727-4730.	7.8	311
1885	Spontaneous Formation and Stability of Small GaP Fullerenes. Physical Review Letters, 2000, 85, 4554-4557.	7.8	31
1886	Selective nucleation and growth of carbon nanotubes at the CoSi ₂ /Si interface. Applied Physics Letters, 2000, 76, 706-708.	3.3	9
1887	Spin Configurations of a Carbon Nanotube in a Nonuniform External Potential. Physical Review Letters, 2000, 85, 365-368.	7.8	96
1888	Adsorption and Desorption of an O ₂ Molecule on Carbon Nanotubes. Physical Review Letters, 2000, 85, 2757-2760.	7.8	149
1889	Template-synthesized BN:C nanoboxes. Applied Physics Letters, 2000, 76, 825-827.	3.3	10
1890	Carrier transport and electron field-emission properties of a nonaligned carbon nanotube thick film mixed with conductive epoxy. Journal of Applied Physics, 2000, 88, 4181.	2.5	16
1891	The electronic structure of polyhex carbon tori. Journal of Chemical Physics, 2000, 112, 4271-4278.	3.0	48
1892	Nearly free electron states in carbon nanotube bundles. Physical Review B, 2000, 62, 7634-7638.	3.2	81
1893	Inclusion behavior between molecular nanotubes and linear polymer chains in aqueous solutions. Journal of Chemical Physics, 2000, 112, 4321-4325.	3.0	32

#	ARTICLE	IF	CITATIONS
1894	Geometrical perturbation of graphene electronic structure. Physical Review B, 2000, 61, 7308-7311.	3.2	17
1895	Structural phase transition in carbon nanotube bundles under pressure. Physical Review B, 2000, 61, 5939-5944.	3.2	200
1896	Metal-Coated Fullerenes $C_{60}M_n$: Calculations for M = Be, Mg, Al AND n = 12, 20, 32. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 385-402.	0.6	3
1897	Loss spectra of graphite-related systems: A multiwall carbon nanotube, a single-wall carbon nanotube bundle, and graphite layers. Physical Review B, 2000, 62, 8508-8516.	3.2	51
1898	Atomic restructuring and localized electron states in a bent carbon nanotube: A first-principles study. Physical Review B, 2000, 61, 7312-7315.	3.2	33
1899	Plastic deformations of boron-nitride nanotubes: An unexpected weakness. Physical Review B, 2000, 62, 11050-11053.	3.2	45
1900	Electronic and structural properties of carbon nanohorns. Physical Review B, 2000, 62, R2291-R2294.	3.2	90
1901	Electron-phonon effects in graphene and armchair (10,10) single-wall carbon nanotubes. Physical Review B, 2000, 61, 10651-10663.	3.2	99
1902	Prospects and Problems of Single Molecule Information Devices. Japanese Journal of Applied Physics, 2000, 39, 3835-3849.	1.5	95
1903	Preparation of Carbon Nanotubes from CO and in situ Formed Nano-sized Pd Particles. Journal of Materials Research, 2000, 15, 1822-1827.	2.6	11
1904	Behavior of carbon nanotubes under high pressure and high temperature. Journal of Materials Research, 2000, 15, 560-563.	2.6	18
1905	Creation of Highly Oriented Freestanding Carbon Nanotube Film by Sublimating Decomposition of Silicon Carbide Film. Japanese Journal of Applied Physics, 2000, 39, L1057-L1059.	1.5	9
1906	THE INFLUENCE OF TEMPERATURE AND MAGNETIC FIELD ON THE TUNNELING TRANSPORT IN STM-TIP-NANOTUBE-SUBSTRATE SYSTEMS. Modern Physics Letters B, 2000, 14, 1065-1072.	1.9	2
1907	Carbon nanotubes as probes for atomic force microscopy. Nanotechnology, 2000, 11, 1-5.	2.6	132
1909	Carbon Nanotube-Based Field-Emission Displays for Large-Area and Full-Color Applications. Japanese Journal of Applied Physics, 2000, 39, 7154-7158.	1.5	46
1910	Diamond synthesis by high-velocity thermal spray: The laboratory analogue of a meteorite impact. Journal of Materials Research, 2000, 15, 25-28.	2.6	8
1911	A novel form of carbon nitrides: Well-aligned carbon nitride nanotubes and their characterization. Journal of Materials Research, 2000, 15, 502-510.	2.6	16
1912	Nanoscale Tubules Formed by Exfoliation of Potassium Hexaniobate. Chemistry of Materials, 2000, 12, 1556-1562.	6.7	251

#	ARTICLE	IF	CITATIONS
1913	Directed Synthesis of Metal-Catalyzed Carbon Nanofibers and Graphite Encapsulated Metal Nanoparticles. Journal of Physical Chemistry B, 2000, 104, 11606-11611.	2.6	36
1914	Graphite Polyhedral Crystals. Science, 2000, 290, 317-320.	12.6	195
1915	Water-vapor effect on the electrical conductivity of a single-walled carbon nanotube mat. Physical Review B, 2000, 62, 10000-10003.	3.2	274
1916	Investigation of an optical limiting mechanism in multiwalled carbon nanotubes. Applied Optics, 2000, 39, 1998.	2.1	104
1917	Doping mechanism in single-wall carbon nanotubes studied by optical absorption. Synthetic Metals, 2000, 115, 283-287.	3.9	60
1918	Characterization of singlewalled carbon nanotubes-PMMA composites. Synthetic Metals, 2000, 108, 139-149.	3.9	184
1919	Graphitization behavior of carbon nanofibers prepared by the floating catalyst method. Materials Letters, 2000, 43, 291-294.	2.6	28
1920	Formation of metal nanowires on suspended single-walled carbon nanotubes. Applied Physics Letters, 2000, 77, 3015-3017.	3.3	363
1921	Influence of delocalized states on electron scattering by carbon nanotubes under various configurations. Physical Review B, 2000, 62, 7483-7490.	3.2	19
1922	Defects, Quasibound States, and Quantum Conductance in Metallic Carbon Nanotubes. Physical Review Letters, 2000, 84, 2917-2920.	7.8	522
1923	Simultaneous Production of Hydrogen and Nanocarbon from Decomposition of Methane on a Nickel-Based Catalyst. Energy & Fuels, 2000, 14, 1188-1194.	5.1	177
1924	Pump-probe experiments at 1064 nm in singlewall carbon nanotube suspensions. IEEE Journal of Quantum Electronics, 2000, 36, 680-686.	1.9	35
1925	Synthesis of $\text{In}_2\text{-Ga}_2\text{O}_3$ nanorods. Journal of Alloys and Compounds, 2000, 306, 300-302.	5.5	46
1926	Properties of composite BxCyN_z nanotubes and related heterojunctions. Computational Materials Science, 2000, 17, 107-114.	3.0	46
1927	Computations of metal-covered C60 and C70. Computational Materials Science, 2000, 18, 308-314.	3.0	3
1928	Metallic nanowires: multi-shelled or filled?. Computational Materials Science, 2000, 18, 333-338.	3.0	28
1929	The study of the attachment of a single-walled carbon nanotube to a self-assembled monolayer using X-ray photoelectron spectroscopy. Surface Science, 2000, 461, 199-207.	1.9	34
1930	Controlled deposition of carbon nanotubes on a patterned substrate. Surface Science, 2000, 462, 195-202.	1.9	117

#	ARTICLE	IF	CITATIONS
1931	Preparation and characterization of amorphous SiO _x nanowires. Journal of Non-Crystalline Solids, 2000, 277, 63-67.	3.1	101
1932	Static and Frequency-Dependent Polarizability Tensors for Carbon Nanotubes. Journal of Physical Chemistry B, 2000, 104, 10462-10466.	2.6	64
1933	Structural Effects on Electrical Conduction of Conjugated Molecules Studied by Scanning Tunneling Microscopy. Journal of Physical Chemistry B, 2000, 104, 11680-11688.	2.6	120
1934	Fractional Quantum Conductance in Carbon Nanotubes. Physical Review Letters, 2000, 84, 1974-1977.	7.8	166
1935	Plasmon excitations in graphitic carbon spheres measured by EELS. Physical Review B, 2000, 61, 5751-5759.	3.2	36
1936	Carbon Nanofibers: Catalytic Synthesis and Applications. Catalysis Reviews - Science and Engineering, 2000, 42, 481-510.	12.9	1,223
1937	Preparation of a Pt/Ru bimetallic system supported on carbon nanotubes. Journal of Materials Chemistry, 2000, 10, 1757-1759.	6.7	51
1938	Ab initio calculations for a hypothetical material: Silicon nanotubes. Physical Review B, 2000, 61, 9994-9996.	3.2	240
1939	Electron field emission from carbon nanotubes, and its relevance in space applications. , 2000, , .		8
1940	Straight β -SiC nanorods synthesized by using Ca-SiO_2 . Applied Physics Letters, 2000, 76, 294-296.	3.3	63
1941	NANOTECHNOLOGY: Beyond Gedanken Experiments. Science, 2000, 289, 560-561.	12.6	99
1942	Random walks on carbon nanotubes and quasicrystals. Journal of Physics A, 2000, 33, 2917-2927.	1.6	9
1944	Organizing Single-Walled Carbon Nanotubes on Gold Using a Wet Chemical Self-Assembling Technique. Langmuir, 2000, 16, 3569-3573.	3.5	398
1945	1/f noise in carbon nanotubes. Applied Physics Letters, 2000, 76, 894-896.	3.3	213
1946	Unusually High Thermal Conductivity of Carbon Nanotubes. Physical Review Letters, 2000, 84, 4613-4616.	7.8	2,775
1947	A promising pathway to make multiwalled carbon nanotubes. Applied Physics Letters, 2000, 76, 3008-3010.	3.3	23
1948	Synthesis of GaN/carbon composite nanotubes and GaN nanorods by arc discharge in nitrogen atmosphere. Applied Physics Letters, 2000, 76, 652-654.	3.3	151
1949	Low-Friction Nanoscale Linear Bearing Realized from Multiwall Carbon Nanotubes. Science, 2000, 289, 602-604.	12.6	1,206

#	ARTICLE	IF	CITATIONS
1950	Low-Temperature (553 K) Catalytic Growth of Highly Ordered Carbon Filaments during Hydrodechlorination Reactions. Journal of Physical Chemistry B, 2000, 104, 4281-4284.	2.6	25
1951	Structure and Electronic Properties of MoS ₂ Nanotubes. Physical Review Letters, 2000, 85, 146-149.	7.8	497
1952	Strain energy and Young's modulus of single-wall carbon nanotubes calculated from electronic energy-band theory. Physical Review B, 2000, 62, 13692-13696.	3.2	232
1953	Thermal conductivity of carbon nanotubes. Nanotechnology, 2000, 11, 65-69.	2.6	988
1954	Bonding and hardness in nonhydrogenated carbon films with moderate sp ³ content. Journal of Applied Physics, 2000, 87, 8174-8180.	2.5	57
1955	Patterned growth of individual and multiple vertically aligned carbon nanofibers. Applied Physics Letters, 2000, 76, 3555-3557.	3.3	372
1956	A formation mechanism of carbon nanotube films on SiC(0001). Applied Physics Letters, 2000, 77, 531-533.	3.3	203
1957	Investigation of the Radial Compression of Carbon Nanotubes with a Scanning Probe Microscope. Physical Review Letters, 2000, 84, 3634-3637.	7.8	99
1958	Deposition of aligned bamboo-like carbon nanotubes via microwave plasma enhanced chemical vapor deposition. Journal of Applied Physics, 2000, 88, 6072-6074.	2.5	164
1959	3D nanorobotic manipulation of nano-order objects inside SEM. , 0, , .		30
1960	Methane and Krypton Adsorption on Single-Walled Carbon Nanotubes. Langmuir, 2000, 16, 7019-7022.	3.5	131
1961	Synthesis and field-emission behavior of highly oriented boron carbonitride nanofibers. Applied Physics Letters, 2000, 76, 2624-2626.	3.3	104
1962	Effect of surface morphology of Ni thin film on the growth of aligned carbon nanotubes by microwave plasma-enhanced chemical vapor deposition. Journal of Applied Physics, 2000, 88, 4898.	2.5	82
1963	Effects of temperature oscillations on the growth of carbon nanotubes by chemical vapor deposition. Applied Physics Letters, 2000, 76, 828-830.	3.3	7
1964	1D lanthanide halide crystals inserted into single-walled carbon nanotubes. Chemical Communications, 2000, , 2427-2428.	4.1	73
1965	Low threshold field emission from nanoclustered carbon grown by cathodic arc. Journal of Applied Physics, 2000, 87, 3126-3131.	2.5	75
1966	Spin-Orbit Interaction in Carbon Nanotubes. Journal of the Physical Society of Japan, 2000, 69, 1757-1763.	1.6	265
1967	Electronic Structures and Optical Properties of Open and Capped Carbon Nanotubes. Journal of the American Chemical Society, 2000, 122, 11129-11137.	13.7	67

#	ARTICLE	IF	CITATIONS
1968	Field emission of different oriented carbon nanotubes. Applied Physics Letters, 2000, 76, 2469-2471.	3.3	250
1969	Electronic Structure of Carbon and Boron-Carbon-Nitrogen Nanotubes. Physics and Chemistry of Materials With Low-dimensional Structures, 2000, , 381-408.	1.0	1
1970	Methods for preparation of carbon nanotubes. Russian Chemical Reviews, 2000, 69, 35-52.	6.5	101
1971	Electronic properties of carbon nanohorns studied by ESR. Physical Review B, 2000, 62, 17115-17119.	3.2	57
1972	Gapping by Squashing: Metal-Insulator and Insulator-Metal Transitions in Collapsed Carbon Nanotubes. Physical Review Letters, 2000, 84, 2453-2456.	7.8	121
1973	Field emission from nanostructured carbon materials. Diamond and Related Materials, 2000, 9, 1190-1195.	3.9	51
1974	Raman Scattering in Fullerenes and Related Carbon-Based Materials. Springer Series in Materials Science, 2000, , 314-364.	0.6	35
1975	Distribution of Pt clusters in SiO ₂ and TiO ₂ nanotubes. Studies in Surface Science and Catalysis, 2000, , 475-482.	1.5	11
1976	Multishelled Gold Nanowires. Molecular Simulation, 2000, 24, 87-93.	2.0	2
1977	Insights into the structure of BN nanotubes. Applied Physics Letters, 2000, 77, 1979-1981.	3.3	136
1978	WSe ₂ Nanotubes: Their Formation by Electron Irradiation. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 9-15.	0.6	8
1979	Vibrational spectroscopy of C ₆₀ . , 2000, , 27-95.		28
1980	Orientational Melting in Carbon Nanotube Ropes. Physical Review Letters, 2000, 84, 1483-1486.	7.8	45
1981	Aligned CN[sub x] nanotubes by pyrolysis of ferrocene/C[sub 60] under NH[sub 3] atmosphere. Applied Physics Letters, 2000, 77, 1807.	3.3	112
1982	High Yield Synthesis of Single-Walled Carbon Nanotubes by DC Arc Discharge in High Temperature He Gas. Molecular Crystals and Liquid Crystals, 2000, 340, 707-712.	0.3	3
1983	Chirality-Dependent Resistivity in Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 2000, 340, 731-736.	0.3	19
1984	Effects of Lattice Vacancy in Carbon Nanotubes Conductance Quantization. Molecular Crystals and Liquid Crystals, 2000, 340, 719-724.	0.3	5
1985	Carbon nanofiber supported palladium catalyst for liquid-phase reactions. An active and selective catalyst for hydrogenation of C=C bonds. Chemical Communications, 2000, , 1871-1872.	4.1	119

#	ARTICLE	IF	CITATIONS
1986	Production of differently shaped multi-wall carbon nanotubes using various cobalt supported catalysts. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 163-170.	2.8	57
1987	Molecular simulation and measurement of adsorption in porous carbon nanotubes. <i>Studies in Surface Science and Catalysis</i> , 2000, , 313-322.	1.5	7
1988	Synthesis of carbon nanoflasks. <i>Journal of Materials Chemistry</i> , 2000, 10, 1271-1272.	6.7	29
1989	Plasma-induced alignment of carbon nanotubes. <i>Applied Physics Letters</i> , 2000, 77, 830-832.	3.3	490
1990	Metallatubulane: synthesis and structural analysis of an infinite tubular coordination network formed by the self-assembly of a tetracyanocyclophane and silver cations. <i>Chemical Communications</i> , 2000, , 239-240.	4.1	69
1991	Carbon with an onion-like structure obtained by chlorinating titanium carbide. <i>Journal of Materials Chemistry</i> , 2000, 10, 1039-1041.	6.7	104
1992	Novel nanoscale gas containers: encapsulation of N ₂ in CN _x nanotubes. <i>Chemical Communications</i> , 2000, , 2335-2336.	4.1	128
1993	Tubes of rhombohedral boron nitride. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 1902-1908.	2.8	60
1994	Pentaheptite Modifications of the Graphite Sheet. <i>Journal of Chemical Information and Computer Sciences</i> , 2000, 40, 1325-1332.	2.8	78
1995	Quantum Contribution to Gas Adsorption in Carbon Nanotubes. <i>Molecular Simulation</i> , 2000, 24, 51-61.	2.0	29
1996	Localized-Density-Matrix Method and Its Application to Carbon Nanotubes. <i>Journal of Physical Chemistry A</i> , 2000, 104, 2445-2453.	2.5	40
1997	Three Types of Behaviour of Multiwall Carbon Nanotubes in Reactions with Intercalating Agents. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 775-780.	0.3	13
1998	Gas-Phase Purification of Single-Wall Carbon Nanotubes. <i>Chemistry of Materials</i> , 2000, 12, 1361-1366.	6.7	141
1999	Influence of the Support on the Structural Characteristics of Carbon Nanofibers Produced from the Metal-Catalyzed Decomposition of Ethylene. <i>Chemistry of Materials</i> , 2000, 12, 823-830.	6.7	78
2000	Effective bending stiffness of carbon nanotubes. <i>Physical Review B</i> , 2000, 62, 9973-9976.	3.2	367
2001	Formation Route of Carbon Nanotubes in a Gel Matrix. <i>Chemistry of Materials</i> , 2000, 12, 3466-3471.	6.7	12
2002	High-Resolution Infrared Absorption Spectroscopy of C ₆₀ Molecules and Clusters in Parahydrogen Solids. <i>Journal of Physical Chemistry A</i> , 2000, 104, 3733-3742.	2.5	40
2003	Mercury(II) Immobilized on Carbon Nanotubes: Synthesis, Characterization, and Redox Properties. <i>Langmuir</i> , 2000, 16, 6004-6012.	3.5	68

#	ARTICLE	IF	CITATIONS
2004	Germanium Nanowire Growth via Simple Vapor Transport. Chemistry of Materials, 2000, 12, 605-607.	6.7	448
2005	Structure of carbon nanotubes grown by microwave-plasma-enhanced chemical vapor deposition. Applied Physics Letters, 2000, 77, 3468-3470.	3.3	85
2006	Negative Differential Conductivity in Carbon Nanotubes. Physical Review Letters, 2000, 84, 362-365.	7.8	58
2007	Theoretical Investigations of Carbon Nanotube Growth. Molecular Simulation, 2000, 25, 1-12.	2.0	14
2008	Plasmons in layered nanospheres and nanotubes investigated by spatially resolved electron energy-loss spectroscopy. Physical Review B, 2000, 61, 13936-13944.	3.2	110
2009	Printing Gel-like Catalysts for the Directed Growth of Multiwall Carbon Nanotubes. Langmuir, 2000, 16, 6877-6883.	3.5	77
2010	Surface and Interface Control of Polymeric Biomaterials, Conjugated Polymers, and Carbon Nanotubes. Journal of Physical Chemistry B, 2000, 104, 1891-1915.	2.6	52
2011	Self-Assembling Dendritic Supramolecule of Molecular Nanotubes and Starpolymers. Langmuir, 2000, 16, 10278-10280.	3.5	21
2012	Anisotropic magnetic susceptibility of multiwalled carbon nanotubes. Applied Physics Letters, 2000, 76, 1452-1454.	3.3	45
2013	Synthesis of Carbon Tubule Nanocoils in High Yield Using Iron-Coated Indium Tin Oxide as Catalyst. Japanese Journal of Applied Physics, 2000, 39, L1242-L1244.	1.5	132
2014	Compressibility and Polygonization of Single-Walled Carbon Nanotubes under Hydrostatic Pressure. Physical Review Letters, 2000, 85, 1887-1889.	7.8	258
2015	Optical Emission Spectroscopy of Arc Flame Plasma for Generation of Carbon Nanotubes. Japanese Journal of Applied Physics, 2000, 39, 4939-4944.	1.5	42
2016	Optical spectra of single-wall carbon nanotube bundles. Physical Review B, 2000, 62, 13153-13159.	3.2	86
2017	Estimating the Strength of the Water/Single-Layer Graphite Interaction. Journal of Physical Chemistry A, 2000, 104, 9971-9975.	2.5	130
2018	Solid State Polymerization of Acetylene at High Pressure and Low Temperature. Journal of Physical Chemistry A, 2000, 104, 8142-8145.	2.5	41
2019	Molecular Shape Recognition by a Tin Oxide Chemical Sensor Coated with a Silica Overlayer Precisely Designed Using an Organic Molecule as the Template. Langmuir, 2000, 16, 3858-3865.	3.5	31
2020	Catalyzed Growth of a Metastable InS Crystal Structure as Colloidal Crystals. Journal of the American Chemical Society, 2000, 122, 3562-3563.	13.7	104
2021	Nanoscale Conducting Cylinders Based on Self-Organization of Hydrogen-Bonded Polyaniline Supramolecules. Macromolecules, 2000, 33, 8671-8675.	4.8	97

#	ARTICLE	IF	CITATIONS
2022	Multisite-Occupancy Adsorption and Surface Diffusion of Linear Adsorbates in Low Dimensions: A Rigorous Results for a Lattice Gas Model. <i>Langmuir</i> , 2000, 16, 5100-5105.	3.5	22
2023	Multiwalled carbon nanotubes prepared by hydrogen arc. <i>Diamond and Related Materials</i> , 2000, 9, 847-851.	3.9	41
2024	Structures and electronic properties of small carbon nanotube tori. <i>Physical Review B</i> , 2000, 62, 1600-1603.	3.2	69
2025	Characteristics of flat panel display using carbon nanotubes as electron emitters. <i>Diamond and Related Materials</i> , 2000, 9, 1270-1274.	3.9	102
2026	Local electronic properties of carbon nanotube heterojunctions. <i>Physical Review B</i> , 2000, 62, 16040-16045.	3.2	60
2027	Elastic properties of single-walled carbon nanotubes. <i>Physical Review B</i> , 2000, 61, 3078-3084.	3.2	411
2028	Influence of Fe and Co/Ni on Carbon Arc Plasma and Formation of Fullerenes and Nanotubes. <i>Journal of Physical Chemistry A</i> , 2000, 104, 10708-10712.	2.5	24
2029	Block bond-order potential as a convergent moments-based method. <i>Physical Review B</i> , 2000, 61, 7972-7988.	3.2	35
2030	Growth and Trends of Fullerene Research as Reflected in Its Journal Literature. <i>Chemical Reviews</i> , 2000, 100, 23-38.	47.7	115
2031	Investigation of the growth mechanisms and electron emission properties of carbon nanostructures prepared by hot-filament chemical vapour deposition. <i>Diamond and Related Materials</i> , 2000, 9, 852-855.	3.9	14
2032	Energy distribution of field emitted electrons from carbon nanotubes. <i>Diamond and Related Materials</i> , 2000, 9, 1201-1204.	3.9	17
2033	Giant Gold-γ-Glutathione Cluster Compounds: A Intense Optical Activity in Metal-Based Transitions. <i>Journal of Physical Chemistry B</i> , 2000, 104, 2630-2641.	2.6	699
2034	Lattice-Oriented Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6505-6508.	2.6	98
2035	Catalytic synthesis of carbon nanotubes over Co, Fe and Ni containing conventional and sol-gel silica-aluminas. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3071-3076.	2.8	114
2036	The Role of Orbital Interactions in Determining the Interlayer Spacing in Graphite Slabs. <i>Journal of the American Chemical Society</i> , 2000, 122, 11871-11875.	13.7	31
2037	Morphology, structure and growth of WS ₂ nanotubes. <i>Journal of Materials Chemistry</i> , 2000, 10, 2570-2577.	6.7	67
2038	Molybdenum polysulfide hollow microtubules grown at room temperature from solution. <i>Chemical Communications</i> , 2000, , 1001-1002.	4.1	39
2039	The Theory of Real Materials. <i>Annual Review of Materials Research</i> , 2000, 30, 1-26.	5.5	51

#	ARTICLE	IF	CITATIONS
2040	Production and Characterization of (Al, Fe)-C (Graphite or Fullerene) Composites Prepared by Mechanical Alloying. <i>Materials and Manufacturing Processes</i> , 2000, 15, 547-567.	4.7	30
2041	Quantum Alchemy. , 0, , 247-270.		0
2042	Electrochemical Preparation of CdSe Nanowire Arrays. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5061-5063.	2.6	174
2043	Endohedral Rare-Gas Radiofullerenes by Nuclear Recoil. <i>Developments in Fullerenes Science</i> , 2000, , 109-136.	0.5	1
2044	Infrared Spectral Evidence for the Etching of Carbon Nanotubes:â€‰ Ozone Oxidation at 298 K. <i>Journal of the American Chemical Society</i> , 2000, 122, 2383-2384.	13.7	568
2045	Effect of van der Waals forces on axial buckling of a double-walled carbon nanotube. <i>Journal of Applied Physics</i> , 2000, 87, 7227-7231.	2.5	253
2046	TEM and Laser-Polarized ^{129}Xe NMR Characterization of Oxidatively Purified Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2000, 122, 10591-10597.	13.7	59
2047	NANOMATERIALS AS OPTICAL LIMITERS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2000, 09, 481-503.	1.8	104
2048	Surfactant-Assisted Processing of Carbon Nanotube/Polymer Composites. <i>Chemistry of Materials</i> , 2000, 12, 1049-1052.	6.7	890
2049	Field emission from nano-cluster carbon films. <i>Diamond and Related Materials</i> , 2001, 10, 260-264.	3.9	20
2050	Multiwall carbon nanotubes: Self-organization and inhibition of step-flow growth kinetics. <i>Journal of Applied Physics</i> , 2001, 89, 3438-3446.	2.5	17
2051	Multiwalled carbon nanotubes grown in hydrogen atmosphere: An x-ray diffraction study. <i>Physical Review B</i> , 2001, 64, .	3.2	121
2052	Adsorption of NH_3 and NO_2 molecules on carbon nanotubes. <i>Applied Physics Letters</i> , 2001, 79, 3863-3865.	3.3	388
2053	Bismuth Nanotubes:Â A Rational Low-Temperature Synthetic Route. <i>Journal of the American Chemical Society</i> , 2001, 123, 9904-9905.	13.7	481
2054	Investigation of the Electrochemical and Electrocatalytic Behavior of Single-Wall Carbon Nanotube Film on a Glassy Carbon Electrode. <i>Analytical Chemistry</i> , 2001, 73, 915-920.	6.5	815
2055	Single-wall carbon nanotube diameter distributions calculated from experimental parameters. <i>Physical Review B</i> , 2001, 63, .	3.2	41
2056	Introduction to Carbon Materials Research. , 2001, , 1-9.		119
2057	Relation of Carbon Nanotubes to Other Carbon Materials. , 2001, , 11-28.		57

#	ARTICLE	IF	CITATIONS
2058	Nanotube Growth and Characterization. , 2001, , 29-53.		150
2059	Nanotubes from Inorganic Materials. , 2001, , 81-112.		73
2060	Effect of Adsorbates on Field Emission from Carbon Nanotubes. Physical Review Letters, 2001, 87, 155502.	7.8	169
2061	Electronic Structure of Carbon Nanocones. Physical Review Letters, 2001, 86, 5970-5973.	7.8	164
2062	Helical Rosette Nanotubes:Â Design, Self-Assembly, and Characterization. Journal of the American Chemical Society, 2001, 123, 3854-3855.	13.7	369
2063	Electronic transport properties of conducting polymers and carbon nanotubes. Reports on Progress in Physics, 2001, 64, 1-49.	20.1	386
2064	Polymeric Nanofibers Prepared from Self-Organized Supramolecules. Chemistry of Materials, 2001, 13, 4580-4583.	6.7	72
2065	Thermochemistry of Fluorinated Single Wall Carbon Nanotubes. Journal of the American Chemical Society, 2001, 123, 12849-12856.	13.7	97
2066	Nanostructured materials. Reports on Progress in Physics, 2001, 64, 297-381.	20.1	703
2067	Electronic Properties, Junctions, and Defects of Carbon Nanotubes. , 2001, , 113-145.		175
2068	Growth Mechanisms of Carbon Nanotubes. , 2001, , 55-81.		76
2069	Growth of Pd, Pt, Ag and Au nanoparticles on carbon nanotubes. Journal of Materials Chemistry, 2001, 11, 2378-2381.	6.7	364
2070	Prospects for single molecule information processing devices. Proceedings of the IEEE, 2001, 89, 1147-1173.	21.3	31
2071	Formation, atomic structures and properties of boron nitride and carbon nanocage fullerene materials. Solid State Sciences, 2001, 3, 597-612.	0.7	252
2072	Recent developments of probes for scanning probe microscopy. Advances in Imaging and Electron Physics, 2001, , 129-206.	0.2	5
2073	Polymer Functionalization for Air-Stable n-Type Carbon Nanotube Field-Effect Transistors. Journal of the American Chemical Society, 2001, 123, 11512-11513.	13.7	570
2074	Electron diffraction study of one-dimensional crystals of fullerenes. Physical Review B, 2001, 64, .	3.2	168
2075	Soluble Dendron-Functionalized Carbon Nanotubes:â€‰ Preparation, Characterization, and Properties,. Chemistry of Materials, 2001, 13, 2864-2869.	6.7	335

#	ARTICLE	IF	CITATIONS
2076	Fullerene Formation. , 2001, , 3372-3379.		1
2077	Preparation and structure analysis of titanium oxide nanotubes. Applied Physics Letters, 2001, 79, 3702-3704.	3.3	553
2078	Carbon Nanotube Templated Growth of Mesoporous Zeolite Single Crystals. Chemistry of Materials, 2001, 13, 4416-4418.	6.7	446
2079	Self-orientation of short single-walled carbon nanotubes deposited on graphite. Applied Physics Letters, 2001, 78, 1355-1357.	3.3	31
2080	Growth process conditions of vertically aligned carbon nanotubes using plasma enhanced chemical vapor deposition. Journal of Applied Physics, 2001, 90, 5308-5317.	2.5	1,034
2081	Molecular paneling via coordination. Chemical Communications, 2001, , 509-518.	4.1	823
2082	Applications of Carbon Nanotubes. , 2001, , 391-425.		640
2083	Nanoparticles of CdCl ₂ with closed cage structures. Israel Journal of Chemistry, 2001, 41, 7-14.	2.3	33
2084	Anomalous thermal conductivity enhancement in nanotube suspensions. Applied Physics Letters, 2001, 79, 2252-2254.	3.3	2,379
2085	Carbon Nanotube Solâˆ™Gel Composite Materials. Nano Letters, 2001, 1, 719-721.	9.1	130
2086	Nanotubes Prepared by Templating Sacrificial Nickel Nanorods. Nano Letters, 2001, 1, 727-730.	9.1	161
2087	Molecular Dynamics Simulation of Contact Angles of Water Droplets in Carbon Nanotubes. Nano Letters, 2001, 1, 697-702.	9.1	230
2088	Engineering Carbon Nanotubes and Nanotube Circuits Using Electrical Breakdown. Science, 2001, 292, 706-709.	12.6	1,605
2089	Carbon nanotubes as electron source in an x-ray tube. Applied Physics Letters, 2001, 78, 2578-2580.	3.3	410
2090	A Study of the Formation of Single- and Double-Walled Carbon Nanotubes by a CVD Method. Journal of Physical Chemistry B, 2001, 105, 9699-9710.	2.6	117
2091	C ₂ F, BN, and C nanoshell elasticity from ab initio computations. Physical Review B, 2001, 64, .	3.2	948
2092	Hydrogenation of Carbon Nanotubes and Graphite in Liquid Ammonia. Journal of Physical Chemistry B, 2001, 105, 7938-7943.	2.6	215
2093	Very Low-Field Emission from Aligned and Opened Carbon Nanotube Arrays. Journal of Physical Chemistry B, 2001, 105, 1519-1522.	2.6	54

#	ARTICLE	IF	CITATIONS
2094	Band structures of carbon nanotubes: the sp ³ s* tight-binding model. Journal of Physics Condensed Matter, 2001, 13, L271-L275.	1.8	27
2095	Microtubes and balls of amorphous phosphorus nitride imide (HPN2) prepared by a benzene-thermal method. Chemical Communications, 2001, , 469-470.	4.1	9
2096	Electrophoretic Deposition of Nanosized Diamond Particles. Langmuir, 2001, 17, 547-551.	3.5	58
2097	Magnetic Orientation and Magnetic Properties of a Single Carbon Nanotube. Journal of Physical Chemistry A, 2001, 105, 4383-4386.	2.5	149
2098	Nanomaterials. , 2001, , 5916-5927.		15
2099	A Solution Low-Temperature Route to MoS ₂ Fiber. Chemistry of Materials, 2001, 13, 6-8.	6.7	53
2100	Structure and electronic properties of carbon onions. Journal of Chemical Physics, 2001, 114, 7477-7482.	3.0	202
2101	X-Ray Diffraction Study of Carbon Nanotubes Under High Pressure. Chinese Physics Letters, 2001, 18, 577-578.	3.3	18
2102	METAL ATOMS IN CARBON NANOTUBES AND RELATED NANOPARTICLES. International Journal of Modern Physics B, 2001, 15, 4037-4069.	2.0	70
2103	Title is missing!. Nanotechnology, 2001, 12, 21-24.	2.6	382
2104	Single-Walled BN Nanostructures. Physical Review Letters, 2001, 86, 2385-2387.	7.8	264
2105	Electronic structure of radially deformed BN and BC ₃ nanotubes. Physical Review B, 2001, 63, .	3.2	149
2106	Electron diffraction study of small bundles of single-wall carbon nanotubes with unique helicity. Physical Review B, 2001, 64, .	3.2	33
2107	Number of Raman- and infrared-active vibrations in single-walled carbon nanotubes. Physical Review B, 2001, 63, .	3.2	65
2108	Computation of large systems with an economic basis set: Ab initio calculations of silicon oxide clusters. Journal of Chemical Physics, 2001, 114, 5531-5536.	3.0	28
2109	Properties of fullerenes and carbon nanotubes. , 2001, , .		0
2110	Single Crystals of Single-Walled Carbon Nanotubes Formed by Self-Assembly. Science, 2001, 292, 1136-1139.	12.6	174
2111	Growth and field emission of carbon nanotubes on electroplated Ni catalyst coated on glass substrates. Journal of Applied Physics, 2001, 90, 2591-2594.	2.5	18

#	ARTICLE	IF	CITATIONS
2112	An under-gate triode structure field emission display with carbon nanotube emitters. Diamond and Related Materials, 2001, 10, 1705-1708.	3.9	61
2113	Aligning single-wall carbon nanotubes with an alternating-current electric field. Applied Physics Letters, 2001, 78, 3714-3716.	3.3	445
2114	Rapid Synthesis of Carbon Nanotubes by Solid-State Metathesis Reactions. Journal of Physical Chemistry B, 2001, 105, 1921-1924.	2.6	39
2115	Semiconducting form of the first-row elements: α -C ₆₀ chain encapsulated in BN nanotubes. Physical Review B, 2001, 64, .	3.2	35
2116	Flat panel display prototype using gated carbon nanotube field emitters. Applied Physics Letters, 2001, 78, 1294-1296.	3.3	166
2117	Catalytic Synthesis of Ti ₂ S Nanofibers. Chemistry of Materials, 2001, 13, 2150-2153.	6.7	7
2118	Anisotropic Electrical Transport Properties of Aligned Carbon Nanotube Films. Journal of Physical Chemistry B, 2001, 105, 9422-9425.	2.6	51
2119	Purification of MWNTs Combining Wet Grinding, Hydrothermal Treatment, and Oxidation. Journal of Physical Chemistry B, 2001, 105, 3387-3392.	2.6	25
2120	Structure, Thermal Stability, and Deformation of Multibranched Carbon Nanotubes Synthesized by CVD in the AAO Template. Journal of Physical Chemistry B, 2001, 105, 1523-1527.	2.6	110
2121	Tunable Adsorption on Carbon Nanotubes. Physical Review Letters, 2001, 87, 116802.	7.8	184
2122	Exohydrogenated single-wall carbon nanotubes. Physical Review B, 2001, 64, .	3.2	103
2123	Growth of aligned carbon nanotubes by biasing during growth. Applied Physics Letters, 2001, 78, 2291-2293.	3.3	86
2124	Thermodynamic analysis of nucleation of carbon deposits on metal particles and its implications for the growth of carbon nanotubes. Physical Review B, 2001, 64, .	3.2	107
2125	Curvature, hybridization, and STM images of carbon nanotubes. Physical Review B, 2001, 64, .	3.2	97
2126	Modeling of molecular hydrogen and lithium adsorption on single-wall carbon nanotubes. Physical Review B, 2001, 63, .	3.2	71
2127	Theoretical study of alkali-atom insertion into small-radius carbon nanotubes to form single-atom chains. Physical Review B, 2001, 64, .	3.2	52
2128	Curvature effect on surface diffusion: The nanotube. Journal of Chemical Physics, 2001, 114, 10922-10926.	3.0	34
2129	Microwave-assisted chemical vapor deposition process for synthesizing carbon nanotubes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1030.	1.6	9

#	ARTICLE	IF	CITATIONS
2130	Growth of carbon nanotubes by chemical vapor deposition. <i>Diamond and Related Materials</i> , 2001, 10, 1235-1240.	3.9	129
2131	Pulse duration and wavelength effects on the optical limiting behavior of carbon nanotube suspensions. <i>Optics Letters</i> , 2001, 26, 223.	3.3	77
2132	Observation of self-diffraction by gratings in nematic liquid crystals doped with carbon nanotubes. <i>Optics Letters</i> , 2001, 26, 521.	3.3	83
2133	Nanowire Nanolasers: Surface Emission,UV Wavelength, And Room-Temperature Operation. <i>Optics and Photonics News</i> , 2001, 12, 44.	0.5	4
2134	Electronic properties of doped fullerenes. <i>Reports on Progress in Physics</i> , 2001, 64, 649-699.	20.1	217
2135	Condensed phases of gases inside nanotube bundles. <i>Reviews of Modern Physics</i> , 2001, 73, 857-865.	45.6	194
2136	Carbon Nanotubes: Synthesis, Properties, and Applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2001, 26, 145-249.	12.3	403
2137	Insertion of Lithium Ions into Carbon Nanotubes:Â An ab Initio Study. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10397-10403.	2.5	98
2138	Chirality-dependent G-band Raman intensity of carbon nanotubes. <i>Physical Review B</i> , 2001, 64, .	3.2	115
2139	Growth of Carbon Nanotubes on Anodic Aluminum Oxide Templates:Â Fabrication of a Tube-in-Tube and Linearly Joined Tube. <i>Chemistry of Materials</i> , 2001, 13, 2387-2391.	6.7	132
2140	Energetics and Electronic Structures of EncapsulatedC60in a Carbon Nanotube. <i>Physical Review Letters</i> , 2001, 86, 3835-3838.	7.8	378
2141	New simple method of carbon nanotube fabrication using welding torch. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	1
2142	Lithium Doping of Multiwalled Carbon Nanotubes Produced by Catalytic Decomposition. <i>Nano Letters</i> , 2001, 1, 75-79.	9.1	44
2143	Lithium Intercalation into Opened Single-Wall Carbon Nanotubes: Storage Capacity and Electronic Properties. <i>Physical Review Letters</i> , 2001, 88, 015502.	7.8	306
2144	Water conduction through the hydrophobic channel of a carbon nanotube. <i>Nature</i> , 2001, 414, 188-190.	27.8	3,138
2145	High-order harmonic generation by conduction electrons in carbon nanotube ropes. <i>Physical Review A</i> , 2001, 63, .	2.5	62
2146	Chemical Alignment of Oxidatively Shortened Single-Walled Carbon Nanotubes on Silver Surface. <i>Journal of Physical Chemistry B</i> , 2001, 105, 5075-5078.	2.6	120
2147	Visualization of single-walled carbon nanotubes electrical networks by scanning force microspy. <i>Applied Physics Letters</i> , 2001, 79, 2979-2981.	3.3	22

#	ARTICLE	IF	CITATIONS
2148	Application of carbon nanotubes to field emission displays. Diamond and Related Materials, 2001, 10, 265-270.	3.9	350
2149	Magnetic Ordering in Hexagonally Bonded Sheets with First-Row Elements. Physical Review Letters, 2001, 87, 146803.	7.8	369
2150	X-ray diffraction characterization on the alignment degree of carbon nanotubes. Chemical Physics Letters, 2001, 344, 13-17.	2.6	309
2151	Linearly joined carbon nanotubes. Synthetic Metals, 2001, 123, 381-383.	3.9	15
2152	Well-ordered Co nanowire arrays for aligned carbon nanotube arrays. Synthetic Metals, 2001, 124, 307-310.	3.9	29
2153	Electrochemical synthesis of polypyrrole films over each of well-aligned carbon nanotubes. Synthetic Metals, 2001, 125, 289-294.	3.9	167
2154	Electromagnetic response of carbon nanotubes and nanotube ropes. Synthetic Metals, 2001, 124, 121-123.	3.9	12
2155	Synthetic metals: a novel role for organic polymers. Synthetic Metals, 2001, 125, 11-22.	3.9	577
2156	Preparation of silver nanorods by electrochemical methods. Materials Letters, 2001, 49, 91-95.	2.6	119
2157	Field emission behavior of aligned carbon nanofiber arrays. Materials Letters, 2001, 51, 371-374.	2.6	13
2158	Ab initio modeling of quantum transport properties of molecular electronic devices. Physical Review B, 2001, 63, .	3.2	2,731
2159	Self-assembly of one-dimensional molecular and atomic chains using striped alkanethiol structures as templates. Applied Physics Letters, 2001, 79, 1685-1687.	3.3	36
2160	Frequency-Dependent Polarizability of Boron Nitride Nanotubes: A Theoretical Study. Journal of Physical Chemistry B, 2001, 105, 10243-10248.	2.6	42
2161	Two-Dimensional Diffraction of Molecular Nanosheet Crystallites of Titanium Oxide. Journal of Physical Chemistry B, 2001, 105, 6116-6121.	2.6	205
2162	Differential thermopower of a CNT chiral carbon nanotube. Journal of Physics Condensed Matter, 2001, 13, 5653-5662.	1.8	21
2163	Polymorphism in Carbons and Parent Materials. , 2001, , 3-27.		0
2164	Nanobelts of Semiconducting Oxides. Science, 2001, 291, 1947-1949.	12.6	5,624
2165	Self-assembled patterns of iron oxide nanoparticles by hydrothermal chemical-vapor deposition. Applied Physics Letters, 2001, 79, 4207-4209.	3.3	42

#	ARTICLE	IF	CITATIONS
2166	Conducting Polyaniline Nanotubes by Template-Free Polymerization. <i>Macromolecules</i> , 2001, 34, 675-677.	4.8	304
2167	Characterization of spatial correlations in carbon nanotubes-modelling studies. <i>Journal of Alloys and Compounds</i> , 2001, 328, 222-225.	5.5	45
2168	Radial distribution function analysis of the graphitization process in carbon materials. <i>Journal of Alloys and Compounds</i> , 2001, 328, 231-236.	5.5	24
2169	Investigation into the deformation of carbon nanotubes and their composites through the use of Raman spectroscopy. <i>Composites Part A: Applied Science and Manufacturing</i> , 2001, 32, 401-411.	7.6	422
2170	Mechanical properties of carbon nanotube by molecular dynamics simulation. <i>Computational Materials Science</i> , 2001, 22, 180-184.	3.0	105
2171	Detecting with X-ray absorption spectroscopy the modifications of the bonding structure of graphitic carbon by amorphisation, hydrogenation and nitrogenation. <i>Surface Science</i> , 2001, 482-485, 530-536.	1.9	42
2172	Stable atomic imaging of Si(111)-7 \times 7 surface by scanning tunneling microscope with carbon nanotube tip. <i>Surface Science</i> , 2001, 486, L455-L460.	1.9	46
2173	Non-empirical calculation of electronic states of impurity polygon in carbon sheet: 1, 2 and 3 pentagons. <i>Surface Science</i> , 2001, 493, 597-603.	1.9	3
2174	Field emission microscopy of adsorption and desorption of residual gas molecules on a carbon nanotube tip. <i>Surface Science</i> , 2001, 490, 296-300.	1.9	69
2175	Where are the molecules adsorbed on single-walled nanotubes?. <i>Surface Science</i> , 2001, 492, 67-74.	1.9	106
2176	Comparative study of the catalytic growth of patterned carbon nanotube films. <i>Surface Science</i> , 2001, 492, 195-201.	1.9	53
2177	Effect of NH ₃ environmental gas on the growth of aligned carbon nanotube in catalytically pyrolyzing C ₂ H ₂ . <i>Thin Solid Films</i> , 2001, 398-399, 150-155.	1.8	61
2178	Field emission from patterned carbon nanotube emitters produced by microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2001, 10, 2157-2160.	3.9	36
2179	Nano-structured nitrogenated carbon films " morphology and field emission. <i>Diamond and Related Materials</i> , 2001, 10, 1962-1967.	3.9	10
2180	Catalytic growth mechanism of carbon nanofibers through chemical vapor deposition. <i>Diamond and Related Materials</i> , 2001, 10, 1214-1217.	3.9	44
2181	Field emission and structure of aligned carbon nanofibers deposited by ECR-CVD plasma method. <i>Diamond and Related Materials</i> , 2001, 10, 254-259.	3.9	28
2182	Effective Mass Theory of Carbon Nanotubes with Vacancies in Magnetic Fields. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 481-491.	1.6	15
2183	Electronic States in Capped Carbon Nanotubes. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 1327-1341.	1.6	20

#	ARTICLE	IF	CITATIONS
2184	Electrochemical Hydrogen Storage in MoS ₂ Nanotubes. Journal of the American Chemical Society, 2001, 123, 11813-11814.	13.7	398
2185	Backward diode composed of a metallic and semiconducting nanotube. Physical Review B, 2001, 64, .	3.2	18
2186	Carbon nanotube growth by rapid thermal processing. Diamond and Related Materials, 2001, 10, 1810-1813.	3.9	14
2187	Oriented carbon microfibers grown by catalytic decomposition of acetylene and their field emission properties. Diamond and Related Materials, 2001, 10, 878-882.	3.9	9
2188	Synthesis of high-density carbon nanotube films by microwave plasma chemical vapor deposition. Diamond and Related Materials, 2001, 10, 1947-1951.	3.9	22
2189	High-resolution electron microscopy and structural optimization of C ₃₆ , B ₃₆ N ₃₆ and Fe@B ₃₆ N ₃₆ clusters. Diamond and Related Materials, 2001, 10, 1205-1209.	3.9	31
2190	Synthesis, HRTEM and electron diffraction studies of B/N-doped C and BN nanotubes. Diamond and Related Materials, 2001, 10, 63-67.	3.9	43
2191	Novel plasma chemical vapor deposition method of carbon nanotubes at low temperature for field emission display application. Diamond and Related Materials, 2001, 10, 248-253.	3.9	22
2192	Cu _{5.5} FeS _{6.5} nanotubes—A new kind of ternary sulfide nanotube. New Journal of Chemistry, 2001, 25, 1359-1361.	2.8	18
2193	Synthesis, characterization and electrical properties of microtubules of polypyrrole synthesized by a template-free method. Journal of Materials Chemistry, 2001, 11, 404-407.	6.7	161
2194	SOME IMPLICATIONS OF THE RADIATION-TREATMENT OF GRAPHITE AND CARBON BLACK. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 409-424.	0.6	12
2195	Microtubules of polypyrrole synthesized by an electrochemical template-free method. Journal of Materials Chemistry, 2001, 11, 2022-2027.	6.7	79
2196	Impedance Characteristics of the Nanoporous Honeycomb Diamond Electrodes for Electrical Double-Layer Capacitor Applications. Journal of the Electrochemical Society, 2001, 148, A668.	2.9	86
2197	Photoconductivity in Semiconducting Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2001, 40, L1229-L1231.	1.5	117
2198	Nonlinear optical properties of fullerenes and carbon nanotubes. , 2001, , 267-307.		4
2199	Conductance of Carbon Nanotubes with a Stone-Wales Defect. Journal of the Physical Society of Japan, 2001, 70, 2657-2665.	1.6	60
2200	Two field-emission states of single-walled carbon nanotubes. Applied Physics Letters, 2001, 78, 2058-2060.	3.3	33
2201	Effect of purification of the electrical conductivity and complex permittivity of multiwall carbon nanotubes. Journal of Applied Physics, 2001, 90, 4134-4137.	2.5	126

#	ARTICLE	IF	CITATIONS
2202	Hydrogen Production by Catalytic Cracking of Methane Using Ni-Al ₂ O ₃ Catalysts. Influence of the Operating Conditions. Studies in Surface Science and Catalysis, 2001, , 391-398.	1.5	4
2203	Gallium nitride nano-ribbon rings. Journal of Physics Condensed Matter, 2001, 13, L285-L289.	1.8	24
2204	Nanohedra: Using symmetry to design self assembling protein cages, layers, crystals, and filaments. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 2217-2221.	7.1	426
2205	Direct dynamics simulations of the oxidation of a single wall carbon nanotube. Physical Chemistry Chemical Physics, 2001, 3, 4376-4383.	2.8	33
2206	Fabrication and characterization of highly ordered Au nanowire arrays. Journal of Materials Chemistry, 2001, 11, 1732-1734.	6.7	104
2207	OPTIMIZATION OF THE ELECTRON IRRADIATION IN THE PRODUCTION OF MoTe ₂ NANOTUBES. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 9-16.	0.6	8
2208	Controlled Growth of Highly Ordered Carbon Nanofibers from Y Zeolite Supported Nickel Catalysts. Langmuir, 2001, 17, 8386-8396.	3.5	51
2209	Carbon nanotube reinforced ceramics. Journal of Materials Chemistry, 2001, 11, 1722-1725.	6.7	94
2210	Formation Mechanism of Micrometer-Sized Carbon Tubes. Chemistry of Materials, 2001, 13, 2656-2665.	6.7	20
2211	Shell/core structure and magnetic properties of carbon-coated Fe-Co(C) nanocapsules. Journal of Physics Condensed Matter, 2001, 13, 1921-1929.	1.8	79
2212	Single molecule DNA device measured with triple-probe atomic force microscope. Applied Physics Letters, 2001, 79, 2462-2464.	3.3	116
2213	Luttinger Liquid Behavior in Metallic Carbon Nanotubes. Lecture Notes in Physics, 2001, , 125-146.	0.7	8
2214	Designing Carbon Crystals for Nanotechnology Applications. Crystal Growth and Design, 2001, 1, 179-181.	3.0	8
2215	Optical Properties of Single-Walled 4 Å... Carbon Nanotubes. Journal of the American Chemical Society, 2001, 123, 9830-9836.	13.7	50
2216	The Synthesis of Megatubes: A New Dimensions in Carbon Materials. Inorganic Chemistry, 2001, 40, 2751-2755.	4.0	18
2217	Characterization of Nitrogen-Alloyed Activated Carbon Fiber. Langmuir, 2001, 17, 675-680.	3.5	29
2218	Synthesis and Characterization of CdIn ₂ S ₄ Nanorods by Converting CdS Nanorods via the Hydrothermal Route. Inorganic Chemistry, 2001, 40, 3130-3133.	4.0	46
2219	Preparing Carbon Nanotubes and Nested Fullerenes from Supercritical CO ₂ by a Chemical Reaction. Journal of the American Chemical Society, 2001, 123, 8624-8625.	13.7	100

#	ARTICLE	IF	CITATIONS
2220	Nucleation and growth of silicon nitride nanoneedles using microwave plasma heating. Journal of Materials Research, 2001, 16, 3111-3115.	2.6	40
2221	Molecular simulation of xenon adsorption on single-walled carbon nanotubes. Journal of Chemical Physics, 2001, 114, 4180-4185.	3.0	122
2222	Simultaneous In Situ Formation of ZnS Nanowires in a Liquid Crystal Template by γ -Irradiation. Chemistry of Materials, 2001, 13, 1213-1218.	6.7	198
2223	Separation of Organic Molecular Mixtures in Carbon Nanotubes and Bundles: Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2001, 105, 6916-6924.	2.6	147
2224	Single pentagon in a hexagonal carbon lattice revealed by scanning tunneling microscopy. Applied Physics Letters, 2001, 78, 3696-3698.	3.3	26
2225	UV Raman Spectroscopy of Single-Walled Carbon Nanotubes. Chemistry of Materials, 2001, 13, 4187-4191.	6.7	23
2226	Carbon nanotube tip probes: stability and lateral resolution in scanning probe microscopy and application to surface science in semiconductors. Nanotechnology, 2001, 12, 363-367.	2.6	161
2227	Growth Model for Bamboolike Structured Carbon Nanotubes Synthesized Using Thermal Chemical Vapor Deposition. Journal of Physical Chemistry B, 2001, 105, 2365-2368.	2.6	63
2228	3D nanorobotic manipulations of multi-walled carbon nanotubes. , 0, , .		24
2229	Modeling of the electron field emission from carbon nanotubes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1016.	1.6	51
2230	Isotope Labeling of Carbon Nanotubes and Formation of ^{12}C - ^{13}C Nanotube Junctions. Journal of the American Chemical Society, 2001, 123, 11502-11503.	13.7	91
2231	Chromatographic Purification and Properties of Soluble Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2001, 123, 11673-11677.	13.7	126
2232	Study of Cobalt-Filled Carbon Nanoflasks. Journal of Physical Chemistry B, 2001, 105, 7606-7611.	2.6	19
2233	Boron B ₁₂ Cluster Embedded in Graphitic Fragments. Journal of Physical Chemistry B, 2001, 105, 10546-10553.	2.6	14
2234	Carbon Nanotube Arrays Prepared by MWCVD. Journal of Physical Chemistry B, 2001, 105, 11395-11398.	2.6	40
2235	Three-Dimensional Imaging of Carbon Nanotubes. Japanese Journal of Applied Physics, 2001, 40, L56-L58.	1.5	8
2236	CARBON NANOTUBES: EXPERIMENTAL EVIDENCE FOR A NULL RISK OF SKIN IRRITATION AND ALLERGY. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 247-250.	0.6	117
2237	Field Emission Properties of a Potassium-Doped Multiwalled Carbon Nanotube Tip. Japanese Journal of Applied Physics, 2001, 40, 5121-5122.	1.5	7

#	ARTICLE	IF	CITATIONS
2238	Free-standing Single Crystal Silicon Nanoribbons. Journal of the American Chemical Society, 2001, 123, 11095-11096.	13.7	148
2239	Thermal Annealing Effects on Structure and Morphology of Micrometer-Sized Carbon Tubes. Chemistry of Materials, 2001, 13, 4180-4186.	6.7	43
2240	Longitudinal solitons in carbon nanotubes. Physical Review B, 2001, 64, .	3.2	46
2241	Synthesis of SiO_2 nanowires using Au nanoparticle catalysts on a silicon substrate. Journal of Materials Research, 2001, 16, 683-686.	2.6	93
2242	Structure and magnetic properties of boron-oxide-coated Fe(B) nanocapsules prepared by arc discharge in diborane. Physical Review B, 2001, 64, .	3.2	49
2243	Growth of aligned carbon nanotubes by plasma-enhanced chemical vapor deposition: Optimization of growth parameters. Journal of Applied Physics, 2001, 90, 1529-1533.	2.5	111
2244	Carbon-nanotube-based triode-field-emission displays using gated emitter structure. IEEE Electron Device Letters, 2001, 22, 426-428.	3.9	36
2245	Radial oscillations of local density of states in carbon nanotubes. Physical Review B, 2001, 63, .	3.2	23
2246	Self-Assembled Monolayer as a Template to Deposit Silicon Nanoparticles Fabricated by Laser Ablation. Journal of Physical Chemistry B, 2001, 105, 10842-10846.	2.6	27
2247	Electronic response of aligned multishell carbon nanotubes. Physical Review B, 2001, 63, .	3.2	15
2249	Processing of individual carbon nanotubes—cutting and joining. AIP Conference Proceedings, 2001, , .	0.4	0
2250	C_{60} as building block for new interesting carbon structures and species. AIP Conference Proceedings, 2001, , .	0.4	0
2252	Structural and electronic property changes of single-walled carbon nanotubes under pressure. AIP Conference Proceedings, 2001, , .	0.4	0
2253	High yield of multiwalled carbon nanotubes from the decomposition of acetylene on Co/MgO catalyst. AIP Conference Proceedings, 2001, , .	0.4	3
2254	Open nanotubes of insulating boron nitride. AIP Conference Proceedings, 2001, , .	0.4	2
2255	Vacuum as a Basis of Science and Technology. Surface Elementary Process of Vacuum Discharge and Nanomaterial.. Journal of the Institute of Electrical Engineers of Japan, 2001, 121, 378-380.	0.0	0
2256	Using Electron Diffraction Technique to Solve Real World Problems. Microscopy and Microanalysis, 2001, 7, 554-555.	0.4	0
2257	Mechanics of multi walled Carbon nanotubes probed by AFM. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	1

#	ARTICLE	IF	CITATIONS
2258	Ab Initio Study of Si Doped Carbon Nanotubes: Electronic and Structural Properties. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	1
2259	Electrical Property of Vertically Grown Carbon Nanotube and its Application to the Nanofunctional Devices. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	2
2260	Nano-Cylinder Structure Studied by X-ray Diffraction. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	0
2261	Effect of Metal Back Contacts on Tetrahedral Amorphous Carbon Films Grown Using the Cathodic Arc Process.. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	7
2262	Synthesis of Vertically Aligned Carbon Nanofiber Films by RF Magnetron Sputtering. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	1
2263	Ab initio Study of Metal Atoms on SWNT Surface. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	1
2264	Transformation of Active Carbon to Onion-like Fullerenes Under Electron Beam Irradiation. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	5
2265	A Novel Low Temperature Synthesis Method for Semiconductor Nanowires. Materials Research Society Symposia Proceedings, 2001, 676, 161.	0.1	11
2266	Synthesis of Silicon Nano-Dendrites. Materials Research Society Symposia Proceedings, 2001, 676, 271.	0.1	0
2267	Ionizing Radiation Effects on Interfaces in Carbon Nanotube-Polymer Composites. Materials Research Society Symposia Proceedings, 2001, 697, 971.	0.1	5
2268	Growth of Solid and Hollow Nanowhiskers from Nanoscale Powders. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	0
2269	Self-Energy corrections to DFT-LDA Gaps of Realistic Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	1
2270	Microstructure of Carbon Encapsulated Superparamagnetic Co Nanoparticles. Materials Research Society Symposia Proceedings, 2001, 704, 6261.	0.1	1
2271	Nanoengineering of Carbon Nanotubes and the Status of its Applications. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	0
2272	Structure of Frilled Carbon Nanowires Synthesized by Sulfur-assisted Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	1
2273	Carbon Networks Synthesized using Microwave Plasma Enhanced Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	0
2274	The Role of Adsorbates on the Field Emission Properties of Single-Walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	0
2275	Large-Area Deposition of Carbon Nanotubes for Field Emission Displays. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
2276	Study in the Dispersion of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	7
2277	Atomistic Study of Mechanical Properties of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	0
2278	42.4: Carbon Nanotubes Cold Cathodes for CRT. Digest of Technical Papers SID International Symposium, 2001, 32, 1124.	0.3	0
2279	P- 41: A Novel Patterning Technology of Fine-pitched CNT Pixels for Field Emitter Arrays. Digest of Technical Papers SID International Symposium, 2001, 32, 710.	0.3	1
2280	20.4: Printable Triode Structure Carbon Nanotubes Field Emission Display. Digest of Technical Papers SID International Symposium, 2001, 32, 316.	0.3	6
2281	P-40: Effect of CH ₄ Plasma Post Treatment on Carbon Nanotubes by MPECVD. Digest of Technical Papers SID International Symposium, 2001, 32, 707.	0.3	0
2282	P-43: A Simple Structure and Fabrication of Carbon-Nanotube Field Emission Display. Digest of Technical Papers SID International Symposium, 2001, 32, 718.	0.3	10
2283	A method for characterizing carbon nanotubes. Journal of Electron Microscopy, 2001, 50, 321-324.	0.9	8
2284	Open Edge Growth Mechanisms of Single Wall Carbon Nanotubes. Journal of the Physical Society of Japan, 2001, 70, 1995-2011.	1.6	12
2285	Transition Metal Oxide Tubes Synthesized by Using Ammonium Tartrate Crystal Template.. Journal of the Ceramic Society of Japan, 2001, 109, 924-928.	1.3	12
2286	èµ°æŸ»ãž«āf—āfāf1/4āf—éŸ•ā¾®éŸā«ā,^ā,«āfŠāfŽæŸ«éŸā1/2Ÿæ~ā•āā®æ©Ÿèf1/2è©•ā¾Ÿ. Kobunshi, 2001, 50, 304-307.	0.1	0
2287	<title>Three-dimensional MEMS devices with functionalized carbon nanotubes</title>. , 2001, , .		3
2288	MEMS- and NEMS-based smart devices and systems. , 2001, , .		2
2289	Synthesis of Nanostructured Carbon Material by Electroreduction in Fused Alkali Carbonates. Chemistry Letters, 2001, 30, 714-715.	1.3	18
2290	Conductance of Carbon Nanotube Junctions in Magnetic Fields. Journal of the Physical Society of Japan, 2001, 70, 2401-2408.	1.6	7
2291	Hydrothermal Processing of Carbon Nanotubes from Dense Fluids: Growth Mechanism. Materials Transactions, 2001, 42, 1681-1683.	1.2	10
2292	A Mechanism of Diamond Growth with Carbon Nanotube Nucleation Agent by Hot-Filament Chemical Vapor Deposition. Materials Transactions, 2001, 42, 1753-1757.	1.2	0
2294	Electromechanical properties of multiwall carbon nanotubes. AIP Conference Proceedings, 2001, , .	0.4	5

#	ARTICLE	IF	CITATIONS
2295	A geometrical study of single-walled nanotube ropes by transmission electron microscopy. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 1779-1799.	0.6	5
2296	20.1: Invited Paper: New Emitter Techniques for Field Emission Displays. Digest of Technical Papers SID International Symposium, 2001, 32, 304.	0.3	5
2297	Pressure-Controlled Tight-Binding Molecular Dynamics Simulation of Carbon Nanotubes. Journal of the Physical Society of Japan, 2001, 70, 2593-2597.	1.6	3
2298	Stereochemistry of carbon nanotubes for electronic applications. , 2001, , .		1
2299	11.3: Invited Paper: Lighting Elements of Carbon Nanotube Field Emission Display. Digest of Technical Papers SID International Symposium, 2001, 32, 142.	0.3	3
2300	20.2: Gated Field Emitter using Carbon Nanotube Line Emitters Directly Grown into the Submicron-Holes for Field Emission Display. Digest of Technical Papers SID International Symposium, 2001, 32, 309.	0.3	2
2301	8.4: Extremely High Electron Emitting Properties of Self-Organized Carbon Nano-Tips. Digest of Technical Papers SID International Symposium, 2001, 32, 92.	0.3	2
2302	20.3: Super-High Luminance Light-Source Device with Carbon Nanotube Emitter. Digest of Technical Papers SID International Symposium, 2001, 32, 312.	0.3	4
2303	The mechanical properties of nanostructured materials. Jom, 2001, 53, 31-35.	1.9	33
2304	Nanostructures in Physical Materials Chemistry: An Exploratory Laboratory. The Chemical Educator, 2001, 6, 238-246.	0.0	0
2305	Generation of multi-hollow crystalline Mo fibres. Science in China Series B: Chemistry, 2001, 44, 203-206.	0.8	0
2306	Nanotubes and nanowires. Journal of Chemical Sciences, 2001, 113, 375-392.	1.5	10
2307	Evaluation of diameter distribution of inside cavities of open CNTs by analyses of nitrogen cryo-adsorption isotherm. Science Bulletin, 2001, 46, 1317-1320.	1.7	5
2308	Growth of filamentous carbon from lithium and cesium bromide doped Ni/SiO ₂ catalysts. Solid State Ionics, 2001, 141-142, 191-195.	2.7	3
2309	Electrochemical intercalation of lithium into carbon nanotubes. Solid State Ionics, 2001, 143, 173-180.	2.7	102
2310	Electronic properties of carbon nanostructures. Surface Science Reports, 2001, 42, 1-74.	7.2	138
2311	Simulation study of hydrogen storage in single walled carbon nanotubes. International Journal of Hydrogen Energy, 2001, 26, 691-696.	7.1	60
2312	Electron energy-loss spectroscopy on individual nanotubes. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 209-217.	1.7	36

#	ARTICLE	IF	CITATIONS
2313	Excitation of plasmons of anisotropic nanostructures by nearby electrons. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 219-224.	1.7	5
2314	Field emission from entangled carbon nanotubes coated on/in a hollow metallic tube. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 475, 458-461.	1.6	3
2315	Electron emission properties of carbon nanotubes. Applied Surface Science, 2001, 169-170, 662-665.	6.1	43
2316	Hydrogen adsorption in bundles of well-aligned carbon nanotubes at room temperature. Applied Surface Science, 2001, 178, 50-55.	6.1	81
2317	Controlled synthesis of aligned carbon nanotube arrays on catalyst patterned silicon substrates by plasma-enhanced chemical vapor deposition. Applied Surface Science, 2001, 181, 248-254.	6.1	32
2318	Realization of different carbon nanostructures by a microwave plasma enhanced chemical vapor deposition technique. Applied Surface Science, 2001, 182, 326-332.	6.1	27
2319	Modeling the electron field emission from carbon nanotube films. Ultramicroscopy, 2001, 89, 39-49.	1.9	92
2320	Advances in the science and technology of carbon nanotubes and their composites: a review. Composites Science and Technology, 2001, 61, 1899-1912.	7.8	4,405
2321	Low energy plasmon peaks in the electron energy loss spectra of single-wall carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 289, 255-256.	2.1	13
2322	Statistical analysis of a multiply-twisted helix. Physica A: Statistical Mechanics and Its Applications, 2001, 292, 437-451.	2.6	3
2323	Symmetry of single-wall nanotubes. Acta Crystallographica Section A: Foundations and Advances, 2001, 57, 304-310.	0.3	37
2324	X-ray absorption studies of carbon-related materials. Journal of Synchrotron Radiation, 2001, 8, 145-149.	2.4	12
2325	In situ observation of the initial growth process of carbon nanotubes by time-resolved high resolution transmission electron microscopy. Journal of Microscopy, 2001, 203, 40-46.	1.8	39
2326	Field emission from carbon nanotubes grown by layer-by-layer deposition method using plasma chemical vapor deposition. Thin Solid Films, 2001, 383, 73-77.	1.8	16
2327	Synthesis of well-aligned multiwalled carbon nanotubes on Ni catalyst using radio frequency plasma-enhanced chemical vapor deposition. Thin Solid Films, 2001, 388, 73-77.	1.8	77
2328	Synthesis of multi-walled carbon nanotubes by microwave plasma-enhanced chemical vapor deposition. Thin Solid Films, 2001, 390, 130-133.	1.8	27
2329	Attempt to synthesize carbon nanotubes by hot-wire chemical vapor deposition. Thin Solid Films, 2001, 395, 253-256.	1.8	13
2330	Ultra-long single crystalline nanoribbons of tin oxide. Solid State Communications, 2001, 118, 351-354.	1.9	217

#	ARTICLE	IF	CITATIONS
2331	Synthesis of SiC nanorods using floating catalyst. Solid State Communications, 2001, 118, 595-598.	1.9	44
2332	Transport property investigation of pure and Au-doped carbon nanotubes. Solid State Communications, 2001, 119, 573-577.	1.9	3
2333	Field emission from carbon nanotubes: the first five years. Solid-State Electronics, 2001, 45, 893-914.	1.4	580
2334	UV-Vis investigations on Co, Fe and Ni incorporated into sol-gel SiO ₂ -TiO ₂ matrices. Journal of Molecular Structure, 2001, 563-564, 403-407.	3.6	23
2335	Metal-semiconductor transitions under uniaxial stress for single- and double-walled carbon nanotubes. Journal of Physics and Chemistry of Solids, 2001, 62, 439-444.	4.0	18
2336	Formation and Raman spectroscopy of single wall carbon nanotubes synthesized by CO ₂ continuous laser vaporization. Journal of Physics and Chemistry of Solids, 2001, 62, 2007-2010.	4.0	16
2337	Efficient access to bamboo-like carbon micro and nanofibres by pyrolysis of zinc cyanamide. Journal of Physics and Chemistry of Solids, 2001, 62, 1431-1433.	4.0	13
2338	Preparation and characterization of carbon nanotubes encapsulated GaN nanowires. Journal of Physics and Chemistry of Solids, 2001, 62, 1577-1586.	4.0	22
2339	Axially compressed buckling of a doublewalled carbon nanotube embedded in an elastic medium. Journal of the Mechanics and Physics of Solids, 2001, 49, 1265-1279.	4.8	332
2340	Versatile microwave PECVD technique for deposition of DLC and other ordered carbon nanostructures. Vacuum, 2001, 63, 433-439.	3.5	28
2341	Carbon nanofiber supported palladium catalyst for liquid-phase reactions. Journal of Molecular Catalysis A, 2001, 170, 155-163.	4.8	168
2342	Magnetotransport of carbon nanotubes: magnetic-field-induced metal-insulator transition. Physica B: Condensed Matter, 2001, 298, 541-545.	2.7	11
2343	Role of metal impurities in the growth of chains of crystalline-silicon nanospheres. Physica B: Condensed Matter, 2001, 308-310, 1097-1099.	2.7	2
2344	Composite on base of 2D nanotubular lattice as ideal high-T _c superconductor. Physica C: Superconductivity and Its Applications, 2001, 351, 71-77.	1.2	10
2345	DC electrochemical deposition of CdSe nanorods array using porous anodic aluminum oxide template. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 303, 19-23.	5.6	42
2346	Intergrowth of a carbon layer and fractal-like trees on 3Y-TZP in TEM observations. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 311, 180-184.	5.6	12
2347	Controlled growth of oriented amorphous silicon nanowires via a solid-liquid-solid (SLS) mechanism. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 305-309.	2.7	135
2348	Electronic structure of collapsed C, BN, and BC ₃ nanotubes. Current Applied Physics, 2001, 1, 39-44.	2.4	22

#	ARTICLE	IF	CITATIONS
2349	Far-infrared to visible optical conductivity of single-wall carbon nanotubes. <i>Current Applied Physics</i> , 2001, 1, 45-49.	2.4	24
2350	Observation of peak splitting in the Coulomb blockade regime of a carbon nanotube rope. <i>Current Applied Physics</i> , 2001, 1, 321-325.	2.4	1
2351	Curvature matching and strain relief in bucky-tori: usage of sp ³ -hybridization and nonhexagonal rings. <i>Journal of Molecular Graphics and Modelling</i> , 2001, 19, 222-231.	2.4	10
2352	A sightseeing tour in the world of clustersâ€”serendipity and scientific progress. <i>Journal of Molecular Graphics and Modelling</i> , 2001, 19, 236-243.	2.4	4
2353	Gas sensing characteristics of multi-wall carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2001, 81, 32-41.	7.8	538
2354	Nanotubes, Nanoscience, and Nanotechnology. <i>Materials Science and Engineering C</i> , 2001, 15, 1-11.	7.3	78
2355	Electrical characterization of single-walled carbon nanotubes with Scanning Force Microscopy. <i>Materials Science and Engineering C</i> , 2001, 15, 149-151.	7.3	14
2356	Effects of thickness of Ni layer deposited on glass substrate on the growth and emission properties of carbon nanotubes. <i>Materials Science and Engineering C</i> , 2001, 16, 65-68.	7.3	9
2357	Synthesis and optical properties of crystalline polymer-capped ZnO nanorods. <i>Materials Science and Engineering C</i> , 2001, 16, 123-127.	7.3	60
2358	Study on electronic properties of single-wall carbon nanotubes. <i>Materials Science and Engineering C</i> , 2001, 16, 17-21.	7.3	6
2359	Mechanism of oxide-assisted nucleation and growth of silicon nanostructures. <i>Materials Science and Engineering C</i> , 2001, 16, 31-35.	7.3	51
2360	Spectroscopic characterization of the copper sulphide core/shell nanowires. <i>Materials Science and Engineering C</i> , 2001, 16, 37-40.	7.3	19
2361	Synthesis of carbon nanotubes using polycyclic aromatic hydrocarbons as carbon sources in an arc discharge. <i>Materials Science and Engineering C</i> , 2001, 16, 23-26.	7.3	42
2362	Investigation of metal-carbon tubulenes by x-ray photoelectron spectroscopy and electron microscopy. <i>Surface and Interface Analysis</i> , 2001, 32, 10-14.	1.8	9
2363	Possibilities of molecular magnetic metals and highT _c superconductors in field effect transistor configurations. <i>International Journal of Quantum Chemistry</i> , 2001, 85, 619-635.	2.0	10
2364	Continuum model of optical phonons in a nanotube. <i>Superlattices and Microstructures</i> , 2001, 29, 405-409.	3.1	30
2365	Behavior of C ₆₀ under Hydrothermal Conditions: Transformation to Amorphous Carbon and Formation of Carbon Nanotubes. <i>Journal of Solid State Chemistry</i> , 2001, 160, 184-188.	2.9	33
2366	Studies on formation mechanism of polypyrrole microtubule synthesized by template-free method. <i>Journal of Polymer Science Part A</i> , 2001, 39, 997-1004.	2.3	54

#	ARTICLE	IF	CITATIONS
2367	Nanotubes. ChemPhysChem, 2001, 2, 78-105.	2.1	597
2368	Influence of Nitrogen on the Growth Mechanism of Decorated C:N Nanotubes. ChemPhysChem, 2001, 2, 388-392.	2.1	38
2369	Filamentous Carbon Growth on Nickel/Silica: Potassium and Bromine as Catalyst Promotors. ChemPhysChem, 2001, 2, 733.	2.1	13
2370	Nanofabrication: Conventional and nonconventional methods. Electrophoresis, 2001, 22, 187-207.	2.4	264
2371	Silica-Tin Oxide Sensor with Molecular Recognition Ability. Sensors Update, 2001, 9, 225-254.	0.5	2
2376	Self-Assembling Organic Nanotubes. Angewandte Chemie - International Edition, 2001, 40, 988-1011.	13.8	1,053
2377	Individual Alumina Nanotubes. Angewandte Chemie - International Edition, 2001, 40, 1490-1493.	13.8	130
2378	“Synthetic Metals”: A Novel Role for Organic Polymers (Nobel Lecture). Angewandte Chemie - International Edition, 2001, 40, 2581-2590.	13.8	1,903
2379	Sidewall Functionalization of Carbon Nanotubes This work was supported by the European Union under the 5th Framework Research Training Network 1999, HPRNT 1999-00011 FUNCARS.. Angewandte Chemie - International Edition, 2001, 40, 4002.	13.8	582
2380	High Pressure Studies of the Raman-Active Phonons in Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2001, 223, 225-236.	1.5	76
2381	Application of Carbon Nanotubes as Electromechanical Sensors ? Results from First-Principles Simulations. Physica Status Solidi (B): Basic Research, 2001, 226, 87-93.	1.5	20
2382	Ordered Mesoporous Carbons. Advanced Materials, 2001, 13, 677-681.	21.0	1,454
2383	Electrocatalytic oxidation of 3,4-dihydroxyphenylacetic acid at a glassy carbon electrode modified with single-wall carbon nanotubes. Electrochimica Acta, 2001, 47, 651-657.	5.2	141
2384	Electron microscopy evidence of aggregation under three different size scales for soot nanoparticles in flame. Carbon, 2001, 39, 109-118.	10.3	67
2385	Curious aligned growth of carbon nanotubes under applied electric field. Carbon, 2001, 39, 201-206.	10.3	34
2386	Carbon nanofibers and single-walled carbon nanotubes prepared by the floating catalyst method. Carbon, 2001, 39, 329-335.	10.3	133
2387	Carbon nanotubes produced by substrate free metalorganic chemical vapor deposition of iron catalysts and ethylene. Carbon, 2001, 39, 443-449.	10.3	33
2388	Order in carbons produced by plasma arcing in the presence of cobalt. Carbon, 2001, 39, 137-144.	10.3	20

#	ARTICLE	IF	CITATIONS
2389	Structure analysis of purified multiwalled carbon nanotubes. Carbon, 2001, 39, 569-574.	10.3	54
2390	Influence of high temperature treatments on single-walled carbon nanotubes structure, morphology and surface properties. Carbon, 2001, 39, 685-695.	10.3	35
2391	Carbon and boron nanoparticles by pulsed-laser vaporization of boron carbide in liquids. Carbon, 2001, 39, 144-147.	10.3	15
2392	Heterogeneous Diels-Alder reaction between cyclopentadiene and different solid carbons. Carbon, 2001, 39, 147-149.	10.3	12
2393	Carbon nanotube growth on Ni-particles prepared in situ by reduction of La ₂ NiO ₄ . Carbon, 2001, 39, 897-903.	10.3	84
2394	Carbonaceous contaminants on support films for transmission electron microscopy. Carbon, 2001, 39, 909-913.	10.3	19
2395	An effective way to lower catalyst content in well-aligned carbon nanotube films. Carbon, 2001, 39, 152-155.	10.3	55
2396	Synthesis of carbon nanotubes below room temperature. Carbon, 2001, 39, 155-158.	10.3	22
2397	Synthesis of diamond from carbon nanotubes under high pressure and high temperature. Carbon, 2001, 39, 311-314.	10.3	42
2398	Surface properties and microtexture of catalytic multi-walled carbon nanotubes. Carbon, 2001, 39, 318-320.	10.3	14
2399	Segmented and opened multi-walled carbon nanotubes. Carbon, 2001, 39, 1273-1278.	10.3	82
2400	Formation of bamboo-shaped carbon filaments and dependence of their morphology on catalyst composition and reaction conditions. Carbon, 2001, 39, 1467-1475.	10.3	76
2401	Morphology and field emission properties of nano-structured nitrogenated carbon films produced by plasma enhanced hot filament CVD. Carbon, 2001, 39, 1723-1730.	10.3	20
2402	Growth and structure of carbon nanotubes produced by thermal chemical vapor deposition. Carbon, 2001, 39, 1891-1896.	10.3	61
2403	The encapsulation of Ni in graphitic layers using C ₆₀ as a precursor. Carbon, 2001, 39, 1769-1787.	10.3	21
2404	Tailoring the diameter of decorated C-N nanotubes by temperature variations using HF-CVD. Carbon, 2001, 39, 2163-2172.	10.3	30
2405	WxMoyCzS ₂ nanotubes. Carbon, 2001, 39, 1107-1111.	10.3	12
2406	Monodispersed hard carbon spherules with uniform nanopores. Carbon, 2001, 39, 2211-2214.	10.3	644

#	ARTICLE	IF	CITATIONS
2407	Controlling growth of carbon microtrees. Carbon, 2001, 39, 2195-2201.	10.3	21
2408	Synthesis of regular coiled carbon nanotubes by Ni-catalyzed pyrolysis of acetylene and a growth mechanism analysis. Carbon, 2001, 39, 2369-2374.	10.3	92
2409	First-principles study on morphology and mechanical properties of single-walled carbon nanotube. Chemical Physics Letters, 2001, 333, 344-349.	2.6	163
2410	Vertical aligned carbon nanotubes grown on Au film and reduction of threshold field in field emission. Chemical Physics Letters, 2001, 335, 150-154.	2.6	55
2411	Production of short carbon nanotubes with open tips by ball milling. Chemical Physics Letters, 2001, 335, 1-8.	2.6	272
2412	Controlled growth of carbon nanotubes on graphite foil by chemical vapor deposition. Chemical Physics Letters, 2001, 335, 141-149.	2.6	96
2413	Growth of decorated carbon nano-tubes. Chemical Physics Letters, 2001, 335, 545-552.	2.6	13
2414	Formation of C60 using CO2 laser vaporization of graphite at room temperature. Chemical Physics Letters, 2001, 337, 25-30.	2.6	26
2415	CVD synthesis of boron nitride nanotubes without metal catalysts. Chemical Physics Letters, 2001, 337, 61-64.	2.6	131
2416	Growth and field emission of carbon nanotubes on sodalime glass at 550Â°C using thermal chemical vapor deposition. Chemical Physics Letters, 2001, 337, 398-402.	2.6	56
2417	Mono-sized and single-walled 4 Å... carbon nanotubes. Chemical Physics Letters, 2001, 339, 47-52.	2.6	43
2418	Encapsulated and hollow closed-cage structures of WS2 and MoS2 prepared by laser ablation at 450â€“1050Â°C. Chemical Physics Letters, 2001, 340, 242-248.	2.6	100
2419	Nanotubes from methane flames. Chemical Physics Letters, 2001, 340, 237-241.	2.6	143
2420	Diameter-controlled growth of carbon nanotubes using thermal chemical vapor deposition. Chemical Physics Letters, 2001, 341, 245-249.	2.6	92
2421	Growth of amorphous silicon nanowires. Chemical Physics Letters, 2001, 341, 523-528.	2.6	43
2422	Scanning tunneling microscopy of aligned coaxial nanowires of polyaniline passivated carbon nanotubes. Chemical Physics Letters, 2001, 342, 479-484.	2.6	40
2423	Growth of carbon nanotubes on Ohmically heated carbon paper. Chemical Physics Letters, 2001, 342, 503-509.	2.6	50
2424	The electrochemical impedance measurements of carbon nanotubes. Chemical Physics Letters, 2001, 343, 235-240.	2.6	51

#	ARTICLE	IF	CITATIONS
2425	Graphitic cones in palladium catalysed carbon nanofibres. Chemical Physics Letters, 2001, 343, 241-250.	2.6	150
2426	Solidâ€“liquidâ€“solid (SLS) growth of coaxial nanocables: silicon carbide sheathed with silicon oxide. Chemical Physics Letters, 2001, 345, 29-32.	2.6	38
2427	Synthesis of carbon nanotubes from in situ generated cobalt nanoparticles and carbon monoxide. Chemical Physics Letters, 2001, 344, 256-262.	2.6	41
2428	A new purification method of single-wall carbon nanotubes using H ₂ S and O ₂ mixture gas. Chemical Physics Letters, 2001, 344, 18-22.	2.6	59
2429	Characterization of single-wall carbon nanotubes produced by CCVD method. Chemical Physics Letters, 2001, 345, 11-17.	2.6	44
2430	Controlled growth of carbon nanotubes in diameter and shape using template-synthesis method. Chemical Physics Letters, 2001, 345, 39-43.	2.6	46
2431	Electronic structures of gold nanowires. Chemical Physics Letters, 2001, 345, 367-371.	2.6	16
2432	Selective Co-catalysed growth of novel MgO fishbone fractal nanostructures. Chemical Physics Letters, 2001, 347, 337-343.	2.6	130
2433	Hydrogenation of [60]fullerene using a novel chemical vapour modification (CVM) method. Chemical Physics Letters, 2001, 347, 355-360.	2.6	16
2434	Insulating 'nanocables': Invar Feâ€“Ni alloy nanorods inside BN nanotubes. Chemical Physics Letters, 2001, 347, 349-354.	2.6	87
2435	Synthesis of SiC nanofibers by annealing carbon nanotubes covered with Si. Chemical Physics Letters, 2001, 348, 357-360.	2.6	70
2436	Anomalous potential barrier of double-wall carbon nanotube. Chemical Physics Letters, 2001, 348, 187-193.	2.6	389
2437	Controlled growth of single-walled carbon nanotubes by catalytic decomposition of CH ₄ over Mo/Co/MgO catalysts. Chemical Physics Letters, 2001, 350, 19-26.	2.6	165
2438	Spectroscopic investigation of conjugated polymer/single-walled carbon nanotube interactions. Chemical Physics Letters, 2001, 350, 27-32.	2.6	27
2439	Low temperature growth of multi-wall carbon nanotubes assisted by mesh potential using a modified plasma enhanced chemical vapor deposition system. Chemical Physics Letters, 2001, 349, 196-200.	2.6	33
2440	Electron microscopic imaging and contrast of smallest carbon nanotubes. Chemical Physics Letters, 2001, 349, 389-393.	2.6	15
2441	Coaxial nanocables: Fe nanowires encapsulated in BN nanotubes with intermediate C layers. Chemical Physics Letters, 2001, 350, 1-5.	2.6	69
2442	Thin boron nitride nanotubes with unusual large inner diameters. Chemical Physics Letters, 2001, 350, 434-440.	2.6	39

#	ARTICLE	IF	CITATIONS
2443	Fullerenes inside carbon nanotubes and multi-walled carbon nanotubes: optimum and maximum sizes. Chemical Physics Letters, 2001, 350, 405-411.	2.6	114
2444	Adsorption of fluoride from water by amorphous alumina supported on carbon nanotubes. Chemical Physics Letters, 2001, 350, 412-416.	2.6	386
2445	Large-scale synthesis of β -SiC nanorods in the arc-discharge. Journal of Crystal Growth, 2001, 223, 125-128.	1.5	77
2446	Carbon nanotubes grown by gas source molecular beam epitaxy. Journal of Crystal Growth, 2001, 227-228, 820-824.	1.5	7
2447	Catalytic synthesis of straight silicon nanowires over Fe containing silica gel substrates by chemical vapor deposition. Journal of Crystal Growth, 2001, 224, 230-234.	1.5	32
2448	Growth of GaN nanowires by direct reaction of Ga with NH ₃ . Journal of Crystal Growth, 2001, 231, 357-365.	1.5	113
2449	Template-assisted synthesis of Sb ₈ O ₁₀ (OH) ₂ I ₂ tubular crystals under hydrothermal conditions. Journal of Crystal Growth, 2001, 233, 287-291.	1.5	5
2450	Fabrication of zinc oxide nanorods. Journal of Crystal Growth, 2001, 233, 5-7.	1.5	113
2451	Production of SnO ₂ nanorods by redox reaction. Journal of Crystal Growth, 2001, 233, 8-12.	1.5	48
2452	Oxide-assisted nucleation and growth of copper sulphide nanowire arrays. Journal of Crystal Growth, 2001, 233, 226-232.	1.5	32
2453	Crystallization behavior of the amorphous carbon nanotubes prepared by the CVD method. Journal of Crystal Growth, 2001, 233, 823-828.	1.5	104
2454	Quantum effects in electrical and thermal transport through nanowires. Journal of Physics Condensed Matter, 2001, 13, R537-R568.	1.8	59
2455	Electronic and structural properties of silicon-doped carbon nanotubes. Physical Review B, 2001, 64, .	3.2	109
2456	Physical Properties of Multi-wall Nanotubes. , 2001, , 329-391.		47
2457	The Structure of Carbon Encapsulated NiFe Nanoparticles. Journal of Catalysis, 2001, 204, 169-174.	6.2	77
2458	Silicon Carbide: A Novel Catalyst Support for Heterogeneous Catalysis. Cattech, 2001, 5, 226-246.	2.2	219
2459	Non-Carbon Nanotubes (Review). Part 1. Synthesis Methods. Powder Metallurgy and Metal Ceramics, 2001, 40, 485-496.	0.8	22
2460	Shaping Carbon Nanotubes with Chemistry. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2001, 41, 49-52.	1.6	5

#	ARTICLE	IF	CITATIONS
2461	Multiwalled Carbon Nanotubes as Building Blocks in Nanoelectronics. Journal of Low Temperature Physics, 2001, 124, 335-352.	1.4	25
2462	Production of Carbon Nanotubes on Different Metal Supported Catalysts. Reaction Kinetics and Catalysis Letters, 2001, 74, 329-336.	0.6	16
2463	Transformation of Carbon Nanotubes to Diamond at High Pressure and High Temperature. Russian Physics Journal, 2001, 44, 178-182.	0.4	9
2464	Fullerenes in Sol-Gel Materials. Journal of Sol-Gel Science and Technology, 2001, 22, 189-204.	2.4	24
2465	Preparation and characterization of ordered semiconductor CdO nanowire arrays. Journal of Materials Science Letters, 2001, 20, 1687-1689.	0.5	49
2466	Synthesis of GaN nanotubes. Journal of Materials Science Letters, 2001, 20, 1987-1988.	0.5	27
2467	Title is missing!. Kinetics and Catalysis, 2001, 42, 813-820.	1.0	34
2468	Tribological behavior of carbon nanotubesâ€”reinforced nickel matrix composite coatings. Journal of Materials Science Letters, 2001, 20, 2057-2060.	0.5	63
2469	Hyperfine and Magnetic Characterization of Fe Particles Hosted in Carbon Nanocapsules. Hyperfine Interactions, 2001, 134, 103-108.	0.5	1
2470	Fullerenes and Fullereneâ€”Like Structures: the Basis for Promising Materials. Journal of Engineering Physics and Thermophysics, 2001, 74, 1499-1508.	0.6	9
2471	Study of Bulk and Nanoscale Materials by Tightâ€”Binding and Path Probability Methods. Journal of Engineering Physics and Thermophysics, 2001, 74, 1484-1498.	0.6	0
2472	Title is missing!. Catalysis Letters, 2001, 71, 225-228.	2.6	42
2473	FULLERENES AND FULLERENE-BASED MATERIALS IN CATALYSIS. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 255-280.	0.6	61
2474	Highly ordered carbon nanotube arrays and IR detection. Infrared Physics and Technology, 2001, 42, 485-491.	2.9	76
2475	Electronic structure of carbolite films. Applied Surface Science, 2001, 175-176, 207-211.	6.1	1
2476	Synthesis of well-aligned carbon nanotube network on a gold-patterned quartz substrate. Applied Surface Science, 2001, 181, 234-238.	6.1	23
2477	Dimensional model of carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 292, 207-211.	2.1	6
2478	An investigation of the sliding wear behavior of Cu-matrix composite reinforced by carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 313, 83-87.	5.6	321

#	ARTICLE	IF	CITATIONS
2479	Prospects for single molecule information processing devices. Current Applied Physics, 2001, 1, 28-38.	2.4	3
2480	Quantum transport in molecular nanowires transistors. Current Applied Physics, 2001, 1, 56-60.	2.4	4
2481	Towards the demonstration of actuator properties of a single carbon nanotube. Current Applied Physics, 2001, 1, 407-411.	2.4	22
2482	“Synthetic metals” a novel role for organic polymers. Current Applied Physics, 2001, 1, 269-279.	2.4	149
2483	Two kinds of metallic states in carbon nanotubes “ differences in transport properties. Journal of Physics and Chemistry of Solids, 2001, 62, 413-417.	4.0	1
2484	Adsorption “ from theory to practice. Advances in Colloid and Interface Science, 2001, 93, 135-224.	14.7	1,627
2485	Low temperature growth of vertically aligned carbon nanotubes by thermal chemical vapor deposition. Chemical Physics Letters, 2001, 338, 113-117.	2.6	41
2486	Microstructure and growth of bamboo-shaped carbon nanotubes. Chemical Physics Letters, 2001, 333, 509-514.	2.6	103
2487	Onion-like marbles and bats: new morphological forms of carbon. Chemical Physics Letters, 2001, 335, 9-16.	2.6	5
2488	Graphical method for assigning Raman peaks of radial breathing modes of single-wall carbon nanotubes. Chemical Physics Letters, 2001, 336, 47-52.	2.6	19
2489	Gas adsorption in the inside and outside of single-walled carbon nanotubes. Chemical Physics Letters, 2001, 336, 205-211.	2.6	293
2490	Growth of carbon nanofibers array under magnetic force by chemical vapor deposition. Chemical Physics Letters, 2001, 336, 392-396.	2.6	12
2491	Dynamic mechanical behavior of melt-processed multi-walled carbon nanotube/poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 262 T	2.6	515
2492	Influence of nitrogen on carbon arc plasma and formation of fullerenes. Chemical Physics Letters, 2001, 340, 1-6.	2.6	13
2493	Self-assembling of hot carbon nanoparticles observed by short pulse-arc-discharge. Chemical Physics Letters, 2001, 341, 455-460.	2.6	10
2494	Carbon monoxide-assisted growth of carbon nanotubes. Chemical Physics Letters, 2001, 342, 259-264.	2.6	23
2495	Hydrogen storage of dense-aligned carbon nanotubes. Chemical Physics Letters, 2001, 342, 510-514.	2.6	107
2496	Adsorption and capillarity of nitrogen in aggregated multi-walled carbon nanotubes. Chemical Physics Letters, 2001, 345, 18-24.	2.6	213

#	ARTICLE	IF	CITATIONS
2497	Electron microscopy of carbon nanotubes. Crystallography Reports, 2001, 46, 577-585.	0.6	1
2498	Features of electron-phonon interaction in nanotubes with chiral symmetry placed in a magnetic field. Physics of the Solid State, 2001, 43, 2336-2343.	0.6	21
2499	Is it all just a pipe dream?. Nature, 2001, 410, 734-735.	27.8	61
2500	Momentous period for nanotubes. Nature, 2001, 412, 595-597.	27.8	7
2501	The ABC of symbiosis. Nature, 2001, 412, 597-598.	27.8	40
2502	Formation of ordered ice nanotubes inside carbon nanotubes. Nature, 2001, 412, 802-805.	27.8	1,008
2503	Efficient silicon light-emitting diodes. Nature, 2001, 412, 805-808.	27.8	496
2504	Roll up for the revolution. Nature, 2001, 414, 142-144.	27.8	211
2505	More spherical large fullerenes and multi-layer fullerene cages. Computational and Theoretical Chemistry, 2001, 540, 171-176.	1.5	45
2506	Stability investigation and thermal behavior of a hypothetical silicon nanotube. Computational and Theoretical Chemistry, 2001, 539, 101-106.	1.5	93
2507	A bucky onion from C 20 and C 60 â€”an AM1 treatment. Computational and Theoretical Chemistry, 2001, 545, 207-214.	1.5	9
2508	A comparative study of cubic B4N4 and C8. Computational and Theoretical Chemistry, 2001, 549, 23-26.	1.5	10
2509	Interaction of swift ions with surface modes in microcapillaries and nanotubes. Nuclear Instruments & Methods in Physics Research B, 2001, 182, 109-115.	1.4	12
2510	Catalytic growth of carbon nanotubes from the internal surface of Fe-loading mesoporous molecular sieves materials. Materials Chemistry and Physics, 2001, 69, 246-251.	4.0	19
2511	Electrochemical intercalation of lithium into raw carbon nanotubes. Materials Chemistry and Physics, 2001, 71, 7-11.	4.0	55
2512	Laser irradiation of carbon nanotubes. Materials Chemistry and Physics, 2001, 72, 218-222.	4.0	42
2513	Carbon nanotubes prepared from CO on pre-reduced La2NiO4 perovskite precursor. Materials Research Bulletin, 2001, 36, 471-477.	5.2	10
2514	Carbon nanotube dendrites: availability and their growth model. Materials Research Bulletin, 2001, 36, 2519-2523.	5.2	8

#	ARTICLE	IF	CITATIONS
2515	Synthesis and characterization of ropes made of BN multiwalled nanotubes. Scripta Materialia, 2001, 44, 1561-1565.	5.2	300
2516	Preparation of carbon nanotubes and nano-particles by microwave plasma-enhanced chemical vapor deposition. Scripta Materialia, 2001, 44, 1567-1570.	5.2	34
2517	Field-evaporation of magic cluster ions, C ₂₀ + , from carbon nanotubes. Scripta Materialia, 2001, 44, 1571-1574.	5.2	3
2518	Encapsulation of cobalt oxide nanoparticles and Ar in boron nitride nanocapsules. Scripta Materialia, 2001, 44, 1583-1586.	5.2	31
2519	Mössbauer and magnetic characterisation of carbon-coated small iron particles. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1930-1932.	2.3	19
2520	Nanoröhren als Funktionsteilchen des 21. Jahrhunderts?. Nachrichten Aus Der Chemie, 2001, 49, 886-890.	0.0	1
2521	Nanostructured adsorbents. Advances in Chemical Engineering, 2001, 27, 79-124.	0.9	5
2522	Materials for field emission displays. International Materials Reviews, 2001, 46, 213-231.	19.3	25
2523	THE ENERGETIC STABILITY OF TORI AND SINGLE-WALL TUBES. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 445-465.	0.6	24
2525	Low-cost fabrication of triode structure carbon nanotube field emission display. , 0, , .		1
2526	Effect of catalyst on growth behavior of carbon nanotubes synthesized by microwave heating thermal CVD process. , 0, , .		0
2527	EFFECT OF RESIDENCE TIME ON FULLERENE YIELD. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 63-69.	0.6	1
2528	Nanostructured Magnetic Materials. , 0, , 1-36.		2
2529	Three-dimensional nanoassembly of multi-walled carbon nanotubes through nanorobotic manipulations by using electron-beam-induced deposition. , 0, , .		17
2530	A novel paste for carbon nanotube FED. , 0, , .		0
2531	Conducting polymer-carbon nanotubes composites. , 0, , .		0
2532	Hydrogen-containing carbon nanostructures: synthesis and properties. Russian Chemical Reviews, 2001, 70, 131-146.	6.5	43
2533	EFFECT OF CHIRALITY ON THE STABILITY OF CARBON NANOTUBES: MOLECULAR-DYNAMICS SIMULATIONS. International Journal of Modern Physics C, 2001, 12, 865-870.	1.7	11

#	ARTICLE	IF	CITATIONS
2534	Polymer-Single Wall Carbon Nanotube Composites for Potential Spacecraft Applications. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	29
2535	Materials Chemistry and Biomimetics. Pergamon Materials Series, 2001, , 425-461.	0.2	0
2536	Conductance of Crossed Carbon Nanotubes. Journal of the Physical Society of Japan, 2001, 70, 1647-1658.	1.6	54
2537	Oscillator Strength of Metallic Carbon Nanotubes. Journal of the Physical Society of Japan, 2001, 70, 17-20.	1.6	0
2538	Carbon fibres. , 2001, , 156-190.		8
2539	Catalytic activity of carbon nanotubes and other carbon materials for oxidative dehydrogenation of ethylbenzene to styrene. Studies in Surface Science and Catalysis, 2001, 133, 383-389.	1.5	13
2540	Boron Nitride Nanotube, Nanocable and Nanocone. Materials Research Society Symposia Proceedings, 2001, 706, 1.	0.1	1
2541	Electronic Localization Length of Carbon Nanotubes with Different Chiral Symmetries. Chinese Physics Letters, 2001, 18, 1105-1107.	3.3	7
2542	Possible Superconductivity at 37 K in Graphite-Sulphur Composite. Chinese Physics Letters, 2001, 18, 1648-1650.	3.3	20
2543	Aligned carbon nanotube growth under oxidative ambient. Journal of Materials Research, 2001, 16, 3107-3110.	2.6	30
2544	Raman scattering studies of the graphitization process in anthracene- and saccharose-based carbons. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2001, 81, 525-540.	0.6	14
2545	Properties of Single-Wall Carbon Nanotubes with Finite Lengths. Chinese Physics Letters, 2001, 18, 653-655.	3.3	8
2546	Effects of finite curvature on soliton dynamics in a chain of non-linear oscillators. Journal of Physics Condensed Matter, 2001, 13, 1181-1192.	1.8	19
2547	Field Emission from Nanostructured Carbon Films on Si Tips. Chinese Physics Letters, 2001, 18, 1132-1134.	3.3	5
2548	Field emission characteristics of carbon nanotube emitters synthesized by arc discharge. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 23.	1.6	23
2549	Electron field emission properties of pulsed laser deposited carbon films containing carbon nanotubes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1034.	1.6	54
2550	Effect of catalyst on growth behavior of carbon nanotube synthesizing by microwave heating thermal chemical vapor deposition process. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1026.	1.6	3
2551	Numerical indicator field emission display using carbon nanotubes as emitters. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1023.	1.6	11

#	ARTICLE	IF	CITATIONS
2552	Characteristics of carbon nanowires synthesized by local arc-discharging technique. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1040.	1.6	6
2553	Stable and uniform electron emission from nanostructured carbon films. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 958.	1.6	36
2554	Interaction forces between carbon nanotubes and an AFM tip. Europhysics Letters, 2001, 53, 742-748.	2.0	23
2555	Vacuum gap dependence of field electron emission properties of large area multi-walled carbon nanotube films. Journal Physics D: Applied Physics, 2001, 34, 1597-1601.	2.8	72
2556	$\text{I}^2\text{-SiC}(100)$ surface: atomic structures and electronic properties. Physics-Uspexhi, 2001, 44, 761-783.	2.2	26
2557	Ab initio Molecular Dynamics Study on Small Carbon Nanotubes. Chinese Physics Letters, 2001, 18, 1496-1499.	3.3	30
2558	Needle-Like SiC Nanorods. Japanese Journal of Applied Physics, 2001, 40, L1065-L1067.	1.5	10
2559	Formation of Vertically Aligned Carbon Nanotubes by Dual-RF-Plasma Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2001, 40, L631-L634.	1.5	32
2560	Pressure and Orientation Effects on the Electronic Structure of Carbon Nanotube Bundles. Journal of the Physical Society of Japan, 2001, 70, 2345-2352.	1.6	18
2561	Effective Dielectric Properties of an Array of Multishell Carbon Nanotubes. Chinese Physics Letters, 2001, 18, 1129-1131.	3.3	1
2562	Undergate-type Triode Carbon Nanotube Field Emission Display with a Microchannel Plate. Japanese Journal of Applied Physics, 2001, 40, 6088-6091.	1.5	20
2563	Synthesis of Carbon Nanotubes by Laser Ablation of Graphites at Room Temperature. Japanese Journal of Applied Physics, 2001, 40, 7147-7150.	1.5	27
2564	Quantum Dot Formation in Single-Wall Carbon Nanotubes. Japanese Journal of Applied Physics, 2001, 40, 1915-1917.	1.5	12
2565	Synthesis of Carbon Nanochaplets by Catalytic Thermal Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2001, 40, L492-L494.	1.5	6
2566	Electronic relaxation dynamics of carbon cluster anions: Excitation of the $\text{Cl}^-\text{C}_{60}^-\text{Xl}^-\text{C}_{60}^-\text{Iu}$ transition in $\text{C}_{60}^{\text{H}^+}$. Journal of Chemical Physics, 2001, 115, 11185-11192.	3.0	15
2567	Self-organized carbon nanotips. Applied Physics Letters, 2001, 79, 1682-1684.	3.3	27
2568	Effects of oxygen adsorption on carbon nanotube field emitters. Physical Review B, 2001, 64, .	3.2	57
2569	Structure and energetics of boron nitride fullerenes: The role of stoichiometry. Physical Review B, 2001, 63, .	3.2	82

#	ARTICLE	IF	CITATIONS
2570	Realistic description of electron-energy-loss spectroscopy for one-dimensionalSr2CuO3. Physical Review B, 2001, 63, .	3.2	7
2571	Field-emission properties of vertically aligned carbon-nanotube array dependent on gas exposures and growth conditions. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 1786-1789.	2.1	41
2572	Interaction of charged particles with surface plasmons in cylindrical channels in solids. Physical Review B, 2001, 63, .	3.2	79
2573	Tight-Binding Band Structures of Nanographite Multiribbons. Journal of the Physical Society of Japan, 2001, 70, 3348-3355.	1.6	18
2574	Liquid-crystal phases of capped carbon nanotubes. Physical Review B, 2001, 63, .	3.2	55
2575	Structural deformation of single-walled carbon nanotubes and fullerene encapsulation due to magnetized-plasma ion irradiation. Applied Physics Letters, 2001, 79, 4213-4215.	3.3	48
2576	Synthesis and microstructure of gallium phosphide nanowires. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1115.	1.6	79
2577	Electronic and transport properties of single-wall carbon nanotubes encapsulating fullerene-based structures. Physical Review B, 2001, 64, .	3.2	29
2578	Electron emission from single-walled carbon nanotubes with sharpened bundles. Journal of Applied Physics, 2001, 89, 8141-8145.	2.5	17
2579	Transmission electron energy-loss spectroscopy study of carbon nanotubes upon high temperature treatment. Applied Physics Letters, 2001, 78, 3358-3360.	3.3	10
2580	Evidence for the existence of two breathinglike phonon modes in infinite bundles of single-walled carbon nanotubes. Physical Review B, 2001, 63, .	3.2	16
2581	Field emission from aligned carbon nanotubes prepared by thermal chemical vapor deposition of Fe-phthalocyanine. Applied Physics Letters, 2001, 79, 2636-2638.	3.3	44
2582	Nonequilibrium transport through a quantum dot weakly coupled to Luttinger liquids. Physical Review B, 2001, 64, .	3.2	10
2583	Detection of nickel atom by laser induced fluorescence during carbon nanotube formation in a laser produced plume. Journal of Applied Physics, 2001, 89, 5760-5768.	2.5	16
2584	Carbon nanotube cathode with low operating voltage. , 0, , .		2
2585	13CNMR evidence for dynamics of nanotubes in ropes. Physical Review B, 2001, 63, .	3.2	45
2586	Isotopic effects of hydrogen adsorption in carbon nanotubes. Physical Review B, 2001, 65, .	3.2	29
2587	Density-functional calculations for prototype metal-boron nanotubes. Physical Review B, 2001, 64, .	3.2	60

#	ARTICLE	IF	CITATIONS
2588	Electronic interwall interactions and charge redistribution in multiwall nanotubes. Physical Review B, 2001, 65, .	3.2	103
2589	Anisotropic nanomechanics of boron nitride nanotubes: Nanostructured "skin" effect. Physical Review B, 2001, 63, .	3.2	54
2590	Statics and dynamics of a one-dimensional quantum many-body system. Physical Review B, 2001, 64, .	3.2	1
2591	Direct observation of graphite layer edge states by scanning tunneling microscopy. Journal of Chemical Physics, 2001, 114, 1807-1812.	3.0	72
2592	Scanning tunneling microscope study of boron-doped highly oriented pyrolytic graphite. Journal of Applied Physics, 2001, 90, 5670-5674.	2.5	159
2593	Formation of coupled quantum dots in single-wall carbon nanotubes. Applied Physics Letters, 2001, 79, 1864-1866.	3.3	73
2594	Boron nitride polymers: Building blocks for organic electronic devices. Physical Review B, 2001, 63, .	3.2	43
2595	Synthesis of large area aligned carbon nanotube arrays from C ₂ H ₂ /H ₂ mixture by rf plasma-enhanced chemical vapor deposition. Applied Physics Letters, 2001, 79, 680-682.	3.3	85
2596	Amorphous carbon nanowires investigated by near-edge-x-ray-absorption-fine-structures. Applied Physics Letters, 2001, 79, 3773-3775.	3.3	59
2597	Nanobelts of the dielectric material Ge ₃ N ₄ . Applied Physics Letters, 2001, 79, 4565-4567.	3.3	47
2598	Towards controlled production of specific carbon nanostructures" a theoretical study on structural transformations of graphitic and diamond particles. Applied Physics Letters, 2001, 79, 63-65.	3.3	26
2599	Diameter control of single-walled carbon nanotubes using argon/helium mixture gases. Journal of Chemical Physics, 2001, 115, 6752-6759.	3.0	83
2600	Smallest Nanotube: Breaking the Symmetry of sp ³ Bonds in Tubular Geometries. Physical Review Letters, 2001, 87, 125502.	7.8	102
2601	Nanoparticles and nanoballoons of amorphous boron coated with crystalline boron nitride. Applied Physics Letters, 2001, 79, 188-190.	3.3	16
2602	Degraded axial buckling strain of multiwalled carbon nanotubes due to interlayer slips. Journal of Applied Physics, 2001, 89, 3426-3433.	2.5	129
2603	Tubular structures in various dust deposits in tokamak t-10. Plasma Devices and Operations, 2001, 8, 257-268.	0.6	4
2604	Green's function embedding approach to quantum conductivity of single wall carbon nanotubes. Journal of Chemical Physics, 2001, 115, 2737-2742.	3.0	37
2605	Conduction mechanisms and magnetotransport in multiwalled carbon nanotubes. Physical Review B, 2001, 64, .	3.2	111

#	ARTICLE	IF	CITATIONS
2606	Far-Infrared gaps in single-wall carbon nanotubes. <i>Ferroelectrics</i> , 2001, 249, 145-154.	0.6	4
2607	Disorder-induced electron localization in metallic carbon nanotubes. <i>Physical Review B</i> , 2001, 63, .	3.2	47
2608	Interaction of ions and molecules with surface modes in cylindrical channels in solids. <i>Physical Review A</i> , 2001, 64, .	2.5	49
2609	Growth and electrical transport of germanium nanowires. <i>Journal of Applied Physics</i> , 2001, 90, 5747-5751.	2.5	152
2610	Unique morphologies of boron nitride nanotubes. <i>Applied Physics Letters</i> , 2001, 79, 415-417.	3.3	84
2611	Structural and electronic properties of carbon nanotube tapers. <i>Physical Review B</i> , 2001, 64, .	3.2	45
2612	In situ electron energy-loss spectroscopy on carbon nanotubes during deformation. <i>Applied Physics Letters</i> , 2001, 78, 70-72.	3.3	31
2613	Selective processing of individual carbon nanotubes using dual-nanomanipulator installed in transmission electron microscope. <i>Applied Physics Letters</i> , 2001, 79, 4580-4582.	3.3	30
2614	Optimized contact configuration for the study of transport phenomena in ropes of single-wall carbon nanotubes. <i>Applied Physics Letters</i> , 2001, 78, 3313-3315.	3.3	52
2615	Quantized vibrational modes of nanospheres and nanotubes in the elastic continuum model. <i>Journal of Applied Physics</i> , 2001, 89, 5107-5111.	2.5	70
2616	Inelastic scattering of fast electrons in nanowires: A dielectric formalism approach. <i>Physical Review B</i> , 2001, 64, .	3.2	37
2617	Avoided crossings in mesoscopic systems: Electron propagation on a nonuniform magnetic cylinder. <i>Journal of Mathematical Physics</i> , 2001, 42, 4707-4738.	1.1	4
2618	Nanotube Electron Drag in Flowing Liquids. <i>Physical Review Letters</i> , 2001, 86, 131-134.	7.8	242
2619	Universal expression for localization length in metallic carbon nanotubes. <i>Physical Review B</i> , 2001, 64, .	3.2	42
2620	Electron field emission from nanoporous carbon material: effect of surface and material characterization. , 0, , .		0
2621	Growth of well-aligned carbon nanotubes on nickel by hot-filament-assisted dc plasma chemical vapor deposition in a CH ₄ /H ₂ plasma. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 1796-1799.	2.1	46
2622	Growth of carbon nanotubes by gas source molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2001, 89, 1973.	2.5	8
2623	Coulomb blockade in multiwalled carbon nanotube island with nanotube leads. <i>Applied Physics Letters</i> , 2001, 79, 1465-1467.	3.3	28

#	ARTICLE	IF	CITATIONS
2624	Hydrogen storage in carbon nitride nanobells. Applied Physics Letters, 2001, 79, 1552-1554.	3.3	100
2625	Quantum effects of thermal conductance through atomic chains. Physical Review B, 2001, 63, .	3.2	81
2626	SYNTHESIS OF CARBON NANOTUBES THROUGH CARBON ARC EVAPORATION EMPLOYING Mm, La, AND Ce CATALYSTS. Fullerenes, Nanotubes, and Carbon Nanostructures, 2001, 9, 397-407.	0.6	1
2627	Pyrolytically grown arrays of highly aligned BxCyNz nanotubes. Applied Physics Letters, 2001, 78, 2769-2771.	3.3	39
2628	Formation mechanisms for carbon onions and nanocapsules in C ⁺ -ion implanted copper. Journal of Applied Physics, 2001, 90, 3353-3358.	2.5	18
2629	Dual-probe scanning tunneling microscope: Measuring a carbon nanotube ring transistor. Applied Physics Letters, 2001, 78, 2928-2930.	3.3	104
2630	Large-scale well aligned carbon nitride nanotube films: Low temperature growth and electron field emission. Journal of Applied Physics, 2001, 89, 5939-5943.	2.5	72
2631	Nobel Lecture: "Synthetic metals" A novel role for organic polymers. Reviews of Modern Physics, 2001, 73, 701-712.	45.6	309
2632	Effect of a Rippling Mode on Resonances of Carbon Nanotubes. Physical Review Letters, 2001, 86, 4843-4846.	7.8	120
2633	Helium in One-Dimensional Nanopores: Free Dispersion, Localization, and Commensurate/Incommensurate Transitions with Nonrigid Orbitals. Physical Review Letters, 2001, 86, 3360-3363.	7.8	42
2634	General Sum Rule for Chiral Index of Coalescing Ultrathin Nanotubes. Physical Review Letters, 2002, 89, 085901.	7.8	26
2635	Energy distribution for undergate-type triode carbon nanotube field emitters. Applied Physics Letters, 2002, 80, 4036-4038.	3.3	19
2636	Mechanics of nanosprings: Stiffness and Young's modulus of molybdenum-based nanocrystals. Applied Physics Letters, 2002, 80, 4244-4246.	3.3	11
2637	Highly Extended Image States around Nanotubes. Physical Review Letters, 2002, 89, 135506.	7.8	71
2638	Patching and Tearing Single-Wall Carbon-Nanotube Ropes into Multiwall Carbon Nanotubes. Physical Review Letters, 2002, 89, 255501.	7.8	52
2639	Predictions of a Spiral Diffusion Path for Nonspherical Organic Molecules in Carbon Nanotubes. Physical Review Letters, 2002, 89, 278301.	7.8	53
2640	Heterostructures of ZnO/Zn coaxial nanocables and ZnO nanotubes. Applied Physics Letters, 2002, 81, 1312-1314.	3.3	346
2641	Nanothermodynamic analysis of surface effect on expansion characteristics of Ga in carbon nanotubes. Applied Physics Letters, 2002, 81, 3966-3968.	3.3	39

#	ARTICLE	IF	CITATIONS
2642	Synthesis and Raman scattering study of rutile SnO ₂ nanowires. Journal of Applied Physics, 2002, 92, 2740-2742.	2.5	92
2643	Field emission from individual B ₆ C-N nanotube rope. Applied Physics Letters, 2002, 81, 1083-1085.	3.3	42
2644	Precise control of multiwall carbon nanotube diameters using thermal chemical vapor deposition. Applied Physics Letters, 2002, 80, 2171-2173.	3.3	55
2645	Electric-field-induced accumulation and alignment of carbon nanotubes. , 0, , .		4
2646	Synthesis of boron nitride nanowires. Applied Physics Letters, 2002, 80, 3611-3613.	3.3	80
2647	Interference effects in electronic transport through metallic single-wall carbon nanotubes. Physical Review B, 2002, 66, .	3.2	29
2648	Design of a heterostructure peapod using magic silicon clusters. Physical Review B, 2002, 66, .	3.2	13
2649	Electron energy-loss spectrum of an electron passing near a locally anisotropic nanotube. Physical Review B, 2002, 66, .	3.2	53
2650	Nanoscale processing by adaptive laser pulses. Physical Review B, 2002, 66, .	3.2	4
2651	W=0 pairing in (N,N) carbon nanotubes away from half filling. Physical Review B, 2002, 66, .	3.2	11
2652	Strong enhancement of the Breit-Wigner-Fano Raman line in carbon nanotube bundles caused by plasmon band formation. Physical Review B, 2002, 66, .	3.2	105
2653	Coiled carbon nanotube structures with supraunitary nonhexagonal to hexagonal ring ratio. Physical Review B, 2002, 66, .	3.2	69
2654	Comparison of wear characteristics of etched-silicon and carbon nanotube atomic-force microscopy probes. Applied Physics Letters, 2002, 80, 1996-1998.	3.3	66
2655	Melting and expansion behavior of indium in carbon nanotubes. Applied Physics Letters, 2002, 81, 4133-4135.	3.3	40
2656	Vacuum structure of toroidal carbon nanotubes. Physical Review B, 2002, 65, .	3.2	9
2657	Electron transport through quantum-dot states of n-type carbon nanotubes. Applied Physics Letters, 2002, 81, 2264-2266.	3.3	4
2658	Preparation of boron nitride nanocapsules by plasma-assisted pulsed laser deposition. Journal of Applied Physics, 2002, 91, 6181-6184.	2.5	14
2659	Phonon drag effect in single-walled carbon nanotubes. Physical Review B, 2002, 66, .	3.2	32

#	ARTICLE	IF	CITATIONS
2660	Evidence of a single-wall platinum nanotube. Physical Review B, 2002, 65, .	3.2	117
2661	Electronic structure of carbon nanotubes studied by photoelectron spectromicroscopy. Physical Review B, 2002, 66, .	3.2	36
2662	Luttinger liquid superlattices: Realization of gapless insulating phases. Physical Review B, 2002, 65, .	3.2	17
2663	Hydrogen desorption properties of multiwall carbon nanotubes with closed and open structures. Applied Physics Letters, 2002, 80, 577-579.	3.3	48
2664	Nonlinear elastic properties of carbon nanotubes subjected to large axial deformations. Physical Review B, 2002, 66, .	3.2	44
2665	Electron transport in telescoping carbon nanotubes. Physical Review B, 2002, 66, .	3.2	47
2666	Pure-carbon ring transistor: Role of topology and structure. Applied Physics Letters, 2002, 81, 850-852.	3.3	38
2667	Conductance of one-dimensional quantum wires. Physical Review B, 2002, 66, .	3.2	33
2668	Charge screening effect in metallic carbon nanotubes. Physical Review B, 2002, 65, .	3.2	21
2669	Electronic and geometric structure of thin stable short silicon nanowires. Physical Review B, 2002, 65, .	3.2	88
2670	Mechanism of thermokinetic selection between carbon nanotube and fullerene-like nanoparticle formation. Journal of Applied Physics, 2002, 91, 10074.	2.5	8
2671	Microstructure and field emission properties of coral-like carbon nanotubes. Applied Physics Letters, 2002, 81, 5024-5026.	3.3	24
2672	Nanocages of layered BN: Super-high-pressure nanocells for formation of solid nitrogen. Journal of Chemical Physics, 2002, 116, 8523.	3.0	23
2673	Bend-induced insulating gap in carbon nanotubes. Physical Review B, 2002, 66, .	3.2	20
2674	Surface morphology of ion-beam deposited carbon films under high temperature. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 2072.	2.1	0
2675	The role of lattice defects in the formation of new carbon structures under electron irradiation. Journal of Electron Microscopy, 2002, 51, S189-S194.	0.9	13
2676	Template-catalyst-free growth of highly ordered boron nanowire arrays. Applied Physics Letters, 2002, 80, 4226-4228.	3.3	43
2677	Forming silicon carbon nitride crystals and silicon carbon nitride nanotubes by microwave plasma-enhanced chemical vapor deposition. Applied Physics Letters, 2002, 80, 4638-4640.	3.3	18

#	ARTICLE	IF	CITATIONS
2678	Electronic states in zigzag carbon nanotube quantum dots. Physical Review B, 2002, 65, .	3.2	31
2679	Morphological stabilization, destabilization, and open-end closure during carbon nanotube growth mediated by surface diffusion. Physical Review E, 2002, 66, 011601.	2.1	36
2680	Local current density detection of individual single-wall carbon nanotubes in a bundle. Applied Physics Letters, 2002, 80, 1993-1995.	3.3	14
2681	Effect of mechanochemical treatment of supported catalysts on the CVD growth of carbon nanomaterials. , 0, , .		0
2682	Structural investigation of graphitic foam. Journal of Applied Physics, 2002, 91, 3415-3420.	2.5	22
2683	Quantum conductance of multiwall carbon nanotubes. Physical Review B, 2002, 66, .	3.2	81
2684	Low-temperature specific heat of nanotube systems. Physical Review B, 2002, 66, .	3.2	84
2685	Equilibrium structure of multilayer van der Waals films and nanotubes. Physical Review B, 2002, 65, .	3.2	14
2686	Self-Organization of a Carbide Superlattice during Deposition of Carbon on Mo. Physical Review Letters, 2002, 89, 015503.	7.8	3
2687	Field emission from nonaligned carbon nanotubes embedded in a polystyrene matrix. Applied Physics Letters, 2002, 80, 3189-3191.	3.3	76
2688	Molecular electronics: devices, systems and tools for gigagate, gigabit chips. , 0, , .		39
2689	Nanotube and nanohorn nucleation from graphitic patches: Tight-binding molecular-dynamics simulations. Physical Review B, 2002, 66, .	3.2	40
2690	Electronic structure of potassium-doped carbon nanotubes. Physical Review B, 2002, 65, .	3.2	65
2691	Formation of carbon nanotubes by plasma enhanced chemical vapor deposition: Role of nitrogen and catalyst layer thickness. Journal of Applied Physics, 2002, 92, 6188-6194.	2.5	50
2692	Experimental and theoretical infrared spectra of Co ₂ CO. Journal of Chemical Physics, 2002, 117, 8479-8485.	3.0	34
2693	Energetics of large carbon clusters: Crossover from fullerenes to nanotubes. Physical Review B, 2002, 65, .	3.2	32
2694	Symmetry effect on the conductance of two-defect carbon nanotubes. Physical Review B, 2002, 65, .	3.2	19
2695	Rapid imaging of nanotubes on insulating substrates. Applied Physics Letters, 2002, 81, 2454-2456.	3.3	109

#	ARTICLE	IF	CITATIONS
2696	End potential barriers of single-walled carbon nanotubes and their role in field emission. Physical Review B, 2002, 66, .	3.2	35
2697	Secondary growth of carbon nanotubules by the fragments of Ni tip. Journal of Applied Physics, 2002, 92, 7459-7461.	2.5	6
2698	Ultimate sensing with an ultrathin single crystalline silicon resonator. , 0, , .		0
2699	Electron field emission from boron-nitride nanofilms. Applied Physics Letters, 2002, 80, 3602-3604.	3.3	96
2700	Effect of substitutional atoms in the tip on field-emission properties of capped carbon nanotubes. Applied Physics Letters, 2002, 80, 2589-2591.	3.3	77
2701	Intrinsic electron transport properties of carbon nanotube Y-junctions. Applied Physics Letters, 2002, 81, 5234-5236.	3.3	74
2702	Stress-induced growth of bismuth nanowires. Applied Physics Letters, 2002, 81, 3248-3250.	3.3	79
2703	Synthesis of large-area germanium cone-arrays for application in electron field emission. Applied Physics Letters, 2002, 81, 3281-3283.	3.3	18
2704	Adjustable boron carbonitride nanotubes. Journal of Applied Physics, 2002, 91, 5325-5333.	2.5	97
2705	Compartmentalized CNx nanotubes: Chemistry, morphology, and growth. Journal of Chemical Physics, 2002, 116, 8966-8972.	3.0	143
2706	Viability of sub-0.4-nm diameter carbon nanotubes. Physical Review B, 2002, 66, .	3.2	22
2707	Optimal configurations of multiwalled carbon nanotubes. Physical Review B, 2002, 65, .	3.2	13
2708	Density-functional-theory calculations of charged single-walled carbon nanotubes. Physical Review B, 2002, 66, .	3.2	27
2709	Performing current versus voltage measurements of single-walled carbon nanotubes using scanning force microscopy. Applied Physics Letters, 2002, 80, 1462-1464.	3.3	46
2710	Density-functional theory investigation of hardness, stability, and electron-energy-loss spectra of carbon nitrides with C ₁₁ N ₄ stoichiometry. Physical Review B, 2002, 65, .	3.2	95
2711	Charge transfer control by gate voltage in crossed nanotube junction. Applied Physics Letters, 2002, 81, 2250-2252.	3.3	16
2712	Antiresonance scattering at defect levels in the quantum conductance of a one-dimensional system. Physical Review B, 2002, 65, .	3.2	68
2713	Exohedral and endohedral adsorption of nitrogen on the sidewall of single-walled carbon nanotubes. Physical Review B, 2002, 66, .	3.2	45

#	ARTICLE	IF	CITATIONS
2714	Superconductivity in armchair carbon nanotubes. Physical Review B, 2002, 65, .	3.2	51
2715	Effects of gamma radiation on poly(methyl methacrylate)/single-wall nanotube composites. Journal of Materials Research, 2002, 17, 2507-2513.	2.6	71
2716	Field emission characteristics of carbon nanofiber improved by deposition of boron nitride nanocrystalline film. Applied Physics Letters, 2002, 80, 3808-3810.	3.3	29
2717	Electron scattering in multiwall carbon nanotubes. Physical Review B, 2002, 66, .	3.2	10
2718	Numerical analysis on the dispersion process of carbon clusters synthesized by gas evaporation using dc arc. Journal of Applied Physics, 2002, 91, 10051.	2.5	8
2719	Theory of scanning tunneling spectroscopy of fullerene peapods. Physical Review B, 2002, 66, .	3.2	28
2720	Properties of 4Å...carbon nanotubes from first-principles calculations. Physical Review B, 2002, 66, .	3.2	180
2721	Hydrogen in Nanostructured, Carbon-Related, and Metallic Materials. MRS Bulletin, 2002, 27, 705-711.	3.5	58
2722	Zinc oxide nanowires on carbon nanotubes. Applied Physics Letters, 2002, 81, 2085-2087.	3.3	111
2723	Boron nitride nanotubes filled with zirconium oxide nanorods. Journal of Materials Research, 2002, 17, 2761-2764.	2.6	15
2724	Synthesis of Superhard and Elastic Carbon Nitride Films by Filtered Cathodic Vacuum arc Combined with Radio Frequency Ion Beam Source. Journal of Materials Research, 2002, 17, 521-524.	2.6	24
2726	Positron Annihilation in Alkali Metal-Doped Multiwall Carbon Nanotubes. Journal of the Physical Society of Japan, 2002, 71, 125-126.	1.6	10
2727	NANOBELTS OF SEMICONDUCTIVE OXIDES: A STRUCTURALLY AND MORPHOLOGICALLY CONTROLLED NANOMATERIALS SYSTEM. International Journal of Nanoscience, 2002, 01, 41-51.	0.7	16
2728	SYMMETRY AND ELECTRO-OPTICAL PROPERTIES OF NANOTUBES. International Journal of Nanoscience, 2002, 01, 313-325.	0.7	1
2729	Electronic and Optical Properties of Narrow-Gap Carbon Nanotubes. Journal of the Physical Society of Japan, 2002, 71, 1820-1823.	1.6	43
2730	SYNTHESIS OF AMORPHOUS SiO _x NANOSTRUCTURES. International Journal of Nanoscience, 2002, 01, 149-157.	0.7	11
2732	Entropically driven self-assembly of multichannel rosette nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6487-6492.	7.1	157
2733	Molecular dynamics analysis of a buckyball-antibody complex. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6466-6470.	7.1	80

#	ARTICLE	IF	CITATIONS
2734	MECHANICAL AND ELECTRONIC PROPERTIES OF STRAINED LAYER SUPERLATTICES STUDIED BY DENSITY FUNCTIONAL TB AND PATH PROBABILITY METHODS. International Journal of Nanoscience, 2002, 01, 357-371.	0.7	6
2735	ROLE OF DEFECTS IN CARBON NANOTUBE CIRCUITS. International Journal of Nanoscience, 2002, 01, 247-254.	0.7	0
2736	FIELD EMISSION FROM NANOSTRUCTURE CARBON FILMS. International Journal of Modern Physics B, 2002, 16, 983-987.	2.0	1
2737	MULTIPLY-TWISTED HELICES OF VARIOUS INTER-ROUND COUPLINGS. International Journal of Modern Physics B, 2002, 16, 1225-1239.	2.0	3
2738	CATALYTIC OXIDATION OF p-TOLUIDINE AT MULTIWALLED FUNCTIONALIZED CARBON NANOTUBES. International Journal of Nanoscience, 2002, 01, 277-283.	0.7	21
2739	Aligned silica nanofibres. Journal of Physics Condensed Matter, 2002, 14, L473-L477.	1.8	14
2740	Fabrication and electrical characterization of top gate single-wall carbon nanotube field-effect transistors. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2798.	1.6	47
2741	<title>Three-dimensional MEMS with functionalized carbon nanotubes</title>. , 2002, 4700, 1.		1
2742	Contactless experiments on individual DNA molecules show no evidence for molecular wire behavior. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8484-8487.	7.1	128
2743	Synthesis of carbon nanocoils by microwave CVD. Smart Materials and Structures, 2002, 11, 728-734.	3.5	29
2744	Li Storage Properties of Carbon Nanotubes Prepared by Chemical Vapour Deposition. Journal of Metastable and Nanocrystalline Materials, 2002, 12, 18-26.	0.1	1
2745	DEPENDENCE OF AC ELECTROPHORESIS CARBON NANOTUBE MANIPULATION ON MICROELECTRODE GEOMETRY. International Journal of Nonlinear Sciences and Numerical Simulation, 2002, 3, .	1.0	12
2746	Clusters and Nanomaterials. Springer Series in Cluster Physics, 2002, , .	0.3	30
2747	Fabrication and Property Analysis of MWNT Junctions through Nanorobotic Manipulations. International Journal of Nonlinear Sciences and Numerical Simulation, 2002, 3, .	1.0	4
2748	Stability of single-wall carbon nanotubes under hydrothermal conditions. Journal of Materials Research, 2002, 17, 734-737.	2.6	17
2749	Synthesis of aligned carbon nanotubes in organic liquids. Journal of Materials Research, 2002, 17, 2457-2464.	2.6	20
2750	Fracture Nucleation in Single-Wall Carbon Nanotubes Under Tension: A Continuum Analysis Incorporating Interatomic Potentials. Journal of Applied Mechanics, Transactions ASME, 2002, 69, 454-458.	2.2	111
2751	Thermal, Electrical, and Thermoelectric Measurements by Scanning Probe Microscopy. , 2002, , 95.		0

#	ARTICLE	IF	CITATIONS
2752	Presence of Perfectly Conducting Channel in Metallic Carbon Nanotubes. Journal of the Physical Society of Japan, 2002, 71, 2753-2760.	1.6	108
2753	3D nanoassembly of carbon nanotubes through nanorobotic manipulations. , 0, , .		8
2754	Computer simulation of the fracture of carbon nanotubes in a hydrogen environment. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2002, 82, 3201-3209.	0.6	2
2755	Dependence of In-Tube Carbon Chain on the Radius and Helicity of Single-Wall Carbon Nanotubes. Chinese Physics Letters, 2002, 19, 98-100.	3.3	5
2756	Comprehensive frequency-dependent substrate noise analysis using boundary element methods. IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, 2002, , .	0.0	13
2757	Microtubes and nanotubes of a phospholipid bilayer membrane. Journal of Physics A, 2002, 35, 1533-1549.	1.6	69
2758	Field electron emission from carbon nanotubes grown by plasma-enhanced chemical vapor deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 122.	1.6	12
2759	Resolution of two new Thomas-Fermi problems. Journal of Physics A, 2002, 35, 3559-3572.	1.6	2
2760	Effect of acetylene in buffer gas on the microstructures of carbon nanotubes in arc discharge. Nanotechnology, 2002, 13, L1-L4.	2.6	11
2761	Light-emitting polymers and carbon nanotube electron emitters for optoelectronic displays. Smart Materials and Structures, 2002, 11, 645-651.	3.5	16
2762	Structure Stability of I-Type Carbon Nanotube Junctions. Chinese Physics Letters, 2002, 19, 1487-1489.	3.3	5
2763	Synthesis of Large Quantity Single-Walled Carbon Nanotubes by Arc Discharge. Chinese Physics Letters, 2002, 19, 91-93.	3.3	14
2764	Calculation of positron states in carbon-nanotube bundles. Journal of Physics Condensed Matter, 2002, 14, 9753-9762.	1.8	6
2765	Ultraviolet-curable polymers with chemically bonded carbon nanotubes for microelectromechanical system applications. Smart Materials and Structures, 2002, 11, 575-580.	3.5	20
2766	THE GROWTH OF ALIGNED CARBON NANOTUBES ON FeNiCo CATALYST FILMS. International Journal of Nanoscience, 2002, 01, 79-85.	0.7	0
2767	The excitations of the symplectic integrable models and their applications. Journal of Physics A, 2002, 35, L261-L268.	1.6	2
2768	Plasma oscillations of the carbon peapod. Journal of Physics Condensed Matter, 2002, 14, 10203-10209.	1.8	3
2770	Dimer interactions of magic W@Si12 clusters. Journal of Physics Condensed Matter, 2002, 14, 4503-4508.	1.8	11

#	ARTICLE	IF	CITATIONS
2771	Carbon nanotubes and their emission properties. Physics-Uspexhi, 2002, 45, 369-402.	2.2	106
2772	A Novel Synthesis Method for Aligned Carbon Nanotubes in Organic Liquids. Japanese Journal of Applied Physics, 2002, 41, L408-L411.	1.5	30
2773	X-ray diffraction study of Be to megabar pressure. Journal of Physics Condensed Matter, 2002, 14, 10569-10573.	1.8	21
2774	Electronic band structures of carbon nanotubes with nanoscale periodic pores. Journal Physics D: Applied Physics, 2002, 35, 3225-3228.	2.8	4
2775	Nodular Carbon Nanotubes and Their Field Emission Characteristics. Chinese Physics Letters, 2002, 19, 1021-1023.	3.3	5
2776	Revealing properties of single-walled carbon nanotubes under high pressure. Journal of Physics Condensed Matter, 2002, 14, 10575-10578.	1.8	29
2777	Microstructures of the silicates: key information about mineral reactions and a link with the Earth and materials sciences. Mineralogical Magazine, 2002, 66, 709-732.	1.4	21
2778	DETERMINATION OF TRACE XANTHINE BY ANODIC STRIPPING VOLTAMMETRY WITH CARBON NANOTUBE MODIFIED GLASSY CARBON ELECTRODE. Analytical Letters, 2002, 35, 2233-2244.	1.8	72
2779	Large-Scale Synthesis of Aligned Carbon Nanotubes by Surface-Wave-Excited Microwave-Plasma-Enhanced Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2002, 41, L1488-L1491.	1.5	5
2780	A New Process for Removal of Catalyst in Carbon Nanotube Grown by Hot-Filament Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2002, 41, 4686-4688.	1.5	3
2781	Molecular electronics. IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, 2002, , .	0.0	63
2782	New Prospects for Microelectronics: Carbon Nanotubes. Japanese Journal of Applied Physics, 2002, 41, 4370-4374.	1.5	29
2783	Role of Gas Adsorption in Nanopore Characterization. Studies in Surface Science and Catalysis, 2002, , 11-18.	1.5	13
2784	Graphyne nanotubes: New Families of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2002, 739, 561.	0.1	3
2785	Double-wall Carbon Nanotubes Synthesized by the Abnormal Glow Discharge Plasma Method. Materials Research Society Symposia Proceedings, 2002, 750, 1.	0.1	0
2786	Theory of plasmons in carbon nanotube bundles. Journal of Physics Condensed Matter, 2002, 14, 5239-5253.	1.8	21
2787	Tunable Adsorption and Desorption of Hydrogen Atoms on Single-Walled Carbon Nanotubes. Chinese Physics Letters, 2002, 19, 1498-1500.	3.3	15
2788	Quantum theory of X-ray channeling in capillary systems. , 2002, , .		1

#	ARTICLE	IF	CITATIONS
2789	Crystine: fibrous biomolecular material from protein crystals cross-linked in a specific geometry. Protein Engineering, Design and Selection, 2002, 15, 895-902.	2.1	4
2790	Large-scale synthesis of single- and multiwalled carbon nanotubes by microwave CVD. , 2002, , .		0
2791	39.2: The Full-Color Video Images with Uniquely-Gated Carbon Nano-tube Field Emission Displays. Digest of Technical Papers SID International Symposium, 2002, 33, 1125.	0.3	7
2792	Investigation of the Capacitance Minimum of Unannealed Single-walled Carbon Nanotube Papers in Aqueous Sodium Chloride. , 2002, 4807, 232.		0
2793	Oxidation and Opening of Well-Aligned Carbon Nanotube Tips. Materials Transactions, 2002, 43, 1707-1710.	1.2	11
2794	Direct Electron Transfer of Glucose Oxidase Molecules Adsorbed onto Carbon Nanotube Powder Microelectrode.. Analytical Sciences, 2002, 18, 939-941.	1.6	123
2795	Thermal Finite Difference Analysis of Threshold Heating for Nanoscale Machining. , 2002, , 507.		1
2797	Metal-Filled Boron Nitride Nanotubes. AIP Conference Proceedings, 2002, , .	0.4	1
2798	Attoliter fluid experiments in individual closed-end carbon nanotubes: Liquid film and fluid interface dynamics. Physics of Fluids, 2002, 14, L5-L8.	4.0	77
2799	Geometric and Electronic Structure of New Carbon-Network Materials: Nanotube Array on Graphite Sheet. Journal of the Physical Society of Japan, 2002, 71, 2765-2770.	1.6	48
2800	P-46: Color Carbon Nanotube Field Emission Display. Digest of Technical Papers SID International Symposium, 2002, 33, 372.	0.3	5
2801	P-47: Fabrication and Characterization of Gated FEAs Using Carbon Nanotubes. Digest of Technical Papers SID International Symposium, 2002, 33, 377.	0.3	2
2802	Geometries, Electronic Properties, and Energetics of Isolated Single Walled Carbon Nanotubes. Journal of the Physical Society of Japan, 2002, 71, 483-486.	1.6	77
2803	Growth of Carbon Nanofibers on Electroless Ni-P Alloy Catalyst. Materials Research Society Symposia Proceedings, 2002, 740, 1.	0.1	0
2804	Structure and Field Electron Emission of Carbon Nanotubes Dependent on Growth Temperature. Materials Research Society Symposia Proceedings, 2002, 728, 8311.	0.1	0
2805	Sol-gel Template Synthesis and Liquid CO ₂ Developed TiO ₂ /CdS Composite Nanowire Arrays. Materials Research Society Symposia Proceedings, 2002, 737, 421.	0.1	0
2806	Carbon Nanotubes Grown on Metallic Wires by Cold Plasma Technique. Materials Research Society Symposia Proceedings, 2002, 737, 503.	0.1	0
2807	Preparation and Photoactive Characterization of Tube-shaped Al-doped ZnO Ceramics.. Materials Research Society Symposia Proceedings, 2002, 737, 545.	0.1	0

#	ARTICLE	IF	CITATIONS
2808	Characterization of Co-catalyzed Multiwalled Carbon Nanotubes by High-Resolution Transmission Electron Microscopy. Materials Research Society Symposia Proceedings, 2002, 737, 689.	0.1	0
2809	Field Emission Properties of BN/C and BN@C Hybrid Nanotubes. Materials Research Society Symposia Proceedings, 2002, 739, 571.	0.1	0
2810	FIB-assisted Pt Deposition for Carbon Nanotube Integration and 3-D Nanoengineering. Materials Research Society Symposia Proceedings, 2002, 739, 771.	0.1	3
2811	Condensation of Carbon Vapour in the Microwave Oven. Materials Research Society Symposia Proceedings, 2002, 740, 1.	0.1	1
2812	Attenuation of Surface Acoustic Waves by Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2002, 750, 1.	0.1	0
2813	Electron Spin in Single Wall Carbon Nanotubes. Physica Scripta, 2002, T102, 22.	2.5	5
2814	TEM/EELS analysis of heat-treated carbon nanotubes: experimental techniques. Journal of Electron Microscopy, 2002, 51, S97-S105.	0.9	11
2815	All-Conjugated Carbon Species. , 2002, , 297-341.		1
2816	Radioactive Materials, Ionizing Radiation Sources, and Radioluminescent Light Sources for Nuclear Batteries. , 2002, , .		2
2817	Dynamical Conductivity in Metallic Carbon Nanotubes. Journal of the Physical Society of Japan, 2002, 71, 2505-2511.	1.6	17
2821	Water-Soluble Single-Walled Carbon Nanotubes via Noncovalent Sidewall-Functionalization with a Pyrene-Carrying Ammonium Ion. Chemistry Letters, 2002, 31, 638-639.	1.3	408
2822	Toroidal Graphenes from 4-Valent Tori. Bulletin of the Chemical Society of Japan, 2002, 75, 487-492.	3.2	45
2823	Synthesis of NiS Nanowhiskers via Surfactant-aid Hydrothermal Reaction. Chemistry Letters, 2002, 31, 254-255.	1.3	7
2824	Sonochemical Synthesis of Antimony Trisulfide Nanowhiskers. Chemistry Letters, 2002, 31, 1242-1243.	1.3	17
2825	Catalytic Activity of Multiwalled Carbon Nanotubes for the Oxidation of Nitric Oxide. Chemistry Letters, 2002, 31, 520-521.	1.3	3
2826	Molecular Template Preparation of AgBiS ₂ Nanowhiskers. Chemistry Letters, 2002, 31, 612-613.	1.3	22
2827	A Chemical-Scissors-Assembly Route to Titanium Carbide Nanorods. Chemistry Letters, 2002, 31, 820-821.	1.3	8
2828	Isolation of Single-wall Carbon Nanotube Bundles Through Gelatin Wrapping and Unwrapping Processes. Chemistry Letters, 2002, 31, 690-691.	1.3	31

#	ARTICLE	IF	CITATIONS
2829	Giant magneto-conductance in twisted carbon nanotubes. Europhysics Letters, 2002, 59, 75-80.	2.0	11
2830	Fiery spirits and supporting programs of action: keys to exploration and exploitation of open technologies. International Journal of Healthcare Technology and Management, 2002, 4, 319.	0.1	12
2832	Three-dimensional polymer MEMS with functionalized carbon nanotubes by microstereolithography. , 2002, 4936, 414.		0
2833	Nano Electro Mechanics of Semiconducting Carbon Nanotube. Journal of Applied Mechanics, Transactions ASME, 2002, 69, 451-453.	2.2	22
2834	Tomonagaâ€“Luttinger-Liquid Theory of Metallic Carbon Nanotubes with Open Boundaries. Journal of the Physical Society of Japan, 2002, 71, 2512-2519.	1.6	10
2835	Structural studies of saccharose- and anthracene-based carbons by high energy X-ray scattering.. Studies in Surface Science and Catalysis, 2002, , 561-568.	1.5	0
2836	Resistance of Telescoping Nanotubes. AIP Conference Proceedings, 2002, , .	0.4	3
2837	Sequentially Grown Carbon Nanotubes. AIP Conference Proceedings, 2002, , .	0.4	0
2839	UV-curable polymers with chemically-bonded carbon nanotubes for MEMS applications. , 2002, , .		0
2840	Single-Crystal Al18B4O33 Microtubes. Journal of the American Chemical Society, 2002, 124, 10668-10669.	13.7	46
2841	Field emission properties of carbon nanohorn films. Journal of Applied Physics, 2002, 91, 10107.	2.5	54
2842	Helical Crystalline SiC/SiO2Coreâ€“Shell Nanowires. Nano Letters, 2002, 2, 941-944.	9.1	252
2843	Templating Effect of Hydrogen-Passivated Silicon Nanowires in the Production of Hydrocarbon Nanotubes and Nanoonions via Sonochemical Reactions with Common Organic Solvents under Ambient Conditions. Journal of the American Chemical Society, 2002, 124, 14856-14857.	13.7	55
2844	Interwall interaction and electronic structure of double-walled BN nanotubes. Physical Review B, 2002, 65, .	3.2	75
2845	High-Yield, Nondestructive Purification and Quantification Method for Multiwalled Carbon Nanotubes. Journal of Physical Chemistry B, 2002, 106, 3087-3091.	2.6	104
2846	Direct Dynamics Studies of CO-Assisted Carbon Nanotube Growth. Journal of Physical Chemistry B, 2002, 106, 12418-12425.	2.6	16
2847	Study of Argon Adsorbed on Open-Ended Carbon Nanotube Bundles. Journal of Physical Chemistry B, 2002, 106, 9000-9003.	2.6	25
2848	The Formation of ReS2 Inorganic Fullerene-like Structures Containing Re4 Parallelogram Units and Metalâ€“Metal Bonds. Journal of the American Chemical Society, 2002, 124, 11580-11581.	13.7	49

#	ARTICLE	IF	CITATIONS
2849	Oxide-Assisted Catalytic Growth of MgO Nanowires with Uniform Diameter Distribution. Journal of Physical Chemistry B, 2002, 106, 7449-7452.	2.6	88
2850	Optical Investigation of Na ₂ V ₃ O ₇ Nanotubes. Chemistry of Materials, 2002, 14, 924-930.	6.7	23
2851	Polyaromatic Assembly Mechanisms and Structure Selection in Carbon Materials. Chemistry of Materials, 2002, 14, 4558-4565.	6.7	50
2852	Hollow Cathode Plasma Synthesis of Carbon Nanofiber Arrays at Low Temperature. Journal of Physical Chemistry B, 2002, 106, 1534-1536.	2.6	20
2853	Problematic Energy Differences between Cumulenes and Poly-yne: Does This Point to a Systematic Improvement of Density Functional Theory?. Journal of Physical Chemistry A, 2002, 106, 11923-11931.	2.5	176
2854	Growth of Sb ₂ E ₃ (E = S, Se) Polygonal Tubular Crystals via a Novel Solvent-Relief-Self-Seeding Process. Inorganic Chemistry, 2002, 41, 455-461.	4.0	119
2855	Valence One-Electron and Shake-Up Ionization Bands of Carbon Clusters. III. The C _n (n = 5,7,9,11) Rings. Journal of Physical Chemistry A, 2002, 106, 5626-5637.	2.5	29
2856	Vibrational Spectrum and Structure of the Fe ₂ CO Molecule. An Infrared Matrix Isolation and Density Functional Theory Study. Journal of Physical Chemistry A, 2002, 106, 10525-10531.	2.5	31
2857	Controlled placement of an individual carbon nanotube onto a microelectromechanical structure. Applied Physics Letters, 2002, 80, 2574-2576.	3.3	115
2858	Delivery of Catalytic Metal Species onto Surfaces with Dendrimer Carriers for the Synthesis of Carbon Nanotubes with Narrow Diameter Distribution. Journal of Physical Chemistry B, 2002, 106, 12361-12365.	2.6	129
2859	A Microscopic and Spectroscopic Study of Interactions between Carbon Nanotubes and a Conjugated Polymer. Journal of Physical Chemistry B, 2002, 106, 2210-2216.	2.6	221
2860	Formation Mechanism of Carbon-Nanocapsules and -Nanoparticles Based on the In-Situ Observation. Journal of Physical Chemistry B, 2002, 106, 1247-1251.	2.6	17
2861	Phonon Softening in Metallic Nanotubes by a Peierls-like Mechanism. Physical Review Letters, 2002, 88, 235506.	7.8	180
2862	Compositional Studies on the Electronic and Magnetic Properties of Potassium Fulleride Mesoporous Niobium Oxide Composites. Chemistry of Materials, 2002, 14, 2774-2781.	6.7	13
2863	Formation of Cobalt Oxide Nanotubes: Effect of Intermolecular Hydrogen Bonding between Co(III) Complex Precursors Incorporated onto Colloidal Templates. Nano Letters, 2002, 2, 289-293.	9.1	78
2864	Lithium-Assisted Self-Assembly of Aluminum Carbide Nanowires and Nanoribbons. Nano Letters, 2002, 2, 105-108.	9.1	45
2865	Modification of surface-enhanced Raman scattering spectra of single-walled carbon nanotubes as a function of nanotube film thickness. Physical Review B, 2002, 65, .	3.2	48
2866	Carbon Nanoflask: A Mechanistic Elucidation of Its Formation. Journal of Physical Chemistry B, 2002, 106, 9769-9776.	2.6	12

#	ARTICLE	IF	CITATIONS
2867	Pressure dependence of the thermoelectric power of single-walled carbon nanotubes. Physical Review B, 2002, 65, .	3.2	12
2868	Adsorption Behaviors of HiPco Single-Walled Carbon Nanotube Aggregates for Alcohol Vapors. Journal of Physical Chemistry B, 2002, 106, 8994-8999.	2.6	74
2870	Synthesis and Characterization of Carbon Nanofibers Produced by the Floating Catalyst Method. Journal of Physical Chemistry B, 2002, 106, 10915-10922.	2.6	62
2871	Laser spinning of nanotubes: A path to fast-rotating microdevices. Physical Review B, 2002, 65, .	3.2	55
2872	Single-walled and multiwalled carbon nanotubes viewed as elastic tubes with the effective Young's moduli dependent on layer number. Physical Review B, 2002, 65, .	3.2	276
2873	Abnormal anti-Stokes Raman scattering of carbon nanotubes. Physical Review B, 2002, 66, .	3.2	22
2874	Poly(p-xylylene) Nanotubes by Coating and Removal of Ultrathin Polymer Template Fibers. Macromolecules, 2002, 35, 2429-2431.	4.8	201
2875	Direct electron transfer of glucose oxidase on carbon nanotubes. Nanotechnology, 2002, 13, 559-564.	2.6	596
2876	Bismuth nanotubes: potential semiconducting nanomaterials. Nanotechnology, 2002, 13, 746-749.	2.6	40
2877	From Conducting Polymers to Carbon Nanotubes: New Horizons in Plastic Microelectronics and Carbon Nanoelectronics. , 2002, , 93-111.		1
2878	FT-ICR Reaction Experiments and Molecular Dynamics Simulations of Precursor Clusters for SWNTs. , 2002, , 131-142.		1
2879	Hall conductivity of a two-dimensional graphite system. Physical Review B, 2002, 65, .	3.2	634
2880	Synthesis of Multiwalled Carbon Nanotubes and Poly(o-anisidine) Nanocomposite Material: Fabrication and Characterization of Its Langmuir-Schaefer Films. Langmuir, 2002, 18, 1535-1541.	3.5	80
2881	Picosecond and nanosecond polychromatic pump-probe studies of bubble growth in carbon-nanotube suspensions. Journal of the Optical Society of America B: Optical Physics, 2002, 19, 208.	2.1	53
2882	Nanostructured Carbon Arrays from Block Copolymers of Polyacrylonitrile. Journal of the American Chemical Society, 2002, 124, 10632-10633.	13.7	249
2883	Direct synthesis of uniform hollow carbon spheres by a self-assembly template approach Electronic supplementary information (ESI) available: SEM pictures of the products from simple mixing. See http://www.rsc.org/suppdata/cc/b2/b205723a/ . Chemical Communications, 2002, , 1948-1949.	4.1	111
2884	Crossover from Symplectic to Orthogonal Class in a Two-Dimensional Honeycomb Lattice. Physical Review Letters, 2002, 89, 266603.	7.8	457
2885	Synthesis of gallium phosphide nanowires via sublimation method. Chemical Communications, 2002, , 2564-2565.	4.1	30

#	ARTICLE	IF	CITATIONS
2886	A Novel Route to Multiwalled Carbon Nanotubes and Carbon Nanorods at Low Temperature. Journal of Physical Chemistry B, 2002, 106, 933-937.	2.6	86
2887	Carbon-Nanotube Formation Mechanism Based on in Situ TEM Observations. Journal of Physical Chemistry B, 2002, 106, 13294-13298.	2.6	43
2888	Electrochemical synthesis of copper nanowires. Journal of Physics Condensed Matter, 2002, 14, 355-363.	1.8	119
2889	Properties of carbon onions produced by an arc discharge in water. Journal of Applied Physics, 2002, 92, 2783-2788.	2.5	349
2890	Rational Growth of Bi ₂ S ₃ Nanotubes from Quasi-two-dimensional Precursors. Journal of the American Chemical Society, 2002, 124, 15180-15181.	13.7	190
2891	Non-carbon nanotubes: synthesis and simulation. Russian Chemical Reviews, 2002, 71, 175-194.	6.5	108
2892	Material design from first principles: the case of boron nitride polymers. Journal of Physics Condensed Matter, 2002, 14, 9997-10009.	1.8	6
2893	Preparation, characterization and applications of free-standing single walled carbon nanotube thin films. Physical Chemistry Chemical Physics, 2002, 4, 2273-2277.	2.8	112
2894	Restricted Hydration Structures of Rb and Br Ions Confined in Slit-Shaped Carbon Nanospace. Journal of the American Chemical Society, 2002, 124, 11860-11861.	13.7	96
2895	Synthesis of Single-Crystalline TiO ₂ Nanotubes. Chemistry of Materials, 2002, 14, 1391-1397.	6.7	251
2896	Preparation and Characterization of Platinum-Based Electrocatalysts on Multiwalled Carbon Nanotubes for Proton Exchange Membrane Fuel Cells. Langmuir, 2002, 18, 4054-4060.	3.5	525
2897	Ultimate strength of carbon nanotubes: A theoretical study. Physical Review B, 2002, 65, .	3.2	239
2898	Hydrothermal Synthesis of α -MoO ₃ Nanorods via Acidification of Ammonium Heptamolybdate Tetrahydrate. Chemistry of Materials, 2002, 14, 4781-4789.	6.7	342
2899	Synthesis of multiwalled carbon nanotubes from carbon black. Applied Physics Letters, 2002, 81, 2466-2468.	3.3	24
2900	Large-Scale Rapid Oxidation Synthesis of SnO ₂ Nanoribbons. Journal of Physical Chemistry B, 2002, 106, 3823-3826.	2.6	376
2901	Arresting Butterfly-Like Intermediate Nanocrystals of α -Co(OH) ₂ via Ethylenediamine-Mediated Synthesis. Journal of the American Chemical Society, 2002, 124, 6668-6675.	13.7	196
2902	Experimental observation of scaling laws for alternating current and direct current conductivity in polymer-carbon nanotube composite thin films. Journal of Applied Physics, 2002, 92, 4024-4030.	2.5	713
2903	RECENT DISCOVERIES IN CARBON BLACK FORMATION AND MORPHOLOGY AND THEIR IMPLICATIONS ON THE STRUCTURE OF INTERSTELLAR CARBON DUST. Fullerenes Nanotubes and Carbon Nanostructures, 2002, 10, 1-14.	2.1	30

#	ARTICLE	IF	CITATIONS
2904	Carbon nanotube-modified electrodes for the simultaneous determination of dopamine and ascorbic acid. <i>Analyst</i> , The, 2002, 127, 653-658.	3.5	453
2905	Catalyzed Collapse and Enhanced Hydrogen Storage of BN Nanotubes. <i>Journal of the American Chemical Society</i> , 2002, 124, 14550-14551.	13.7	282
2906	Colloidal Processing of Carbon Nanotube/Alumina Composites. <i>Chemistry of Materials</i> , 2002, 14, 5169-5172.	6.7	216
2907	Mechanical and Electrical Properties of Nanotubes. <i>Annual Review of Materials Research</i> , 2002, 32, 347-375.	9.3	343
2908	Magnetic Nanostructures Grown on Vertically Aligned Carbon Nanotube Templates. <i>Nano Letters</i> , 2002, 2, 161-164.	9.1	40
2909	Room Temperature Single Electron Transistor by Local Chemical Modification of Carbon Nanotubes. <i>Nano Letters</i> , 2002, 2, 117-120.	9.1	38
2910	Effect of Purification on Pore Structure of HiPco Single-Walled Carbon Nanotube Aggregates. <i>Nano Letters</i> , 2002, 2, 385-388.	9.1	107
2911	Effects of Localized Electric Field on the Growth of Carbon Nanowalls. <i>Nano Letters</i> , 2002, 2, 355-359.	9.1	91
2912	Electronic Structures of Very Thin Carbon Nanotubes: Are They Still π -Electronic Materials?. <i>Nano Letters</i> , 2002, 2, 629-633.	9.1	10
2913	Thermogravimetric Analysis of the Oxidation of Multiwalled Carbon Nanotubes: Evidence for the Role of Defect Sites in Carbon Nanotube Chemistry. <i>Nano Letters</i> , 2002, 2, 615-619.	9.1	448
2914	Enhanced Electron Field Emission in B-doped Carbon Nanotubes. <i>Nano Letters</i> , 2002, 2, 1191-1195.	9.1	136
2915	Imaging Carbon Nanotubes in High Performance Polymer Composites via Magnetic Force Microscopy. <i>Nano Letters</i> , 2002, 2, 827-829.	9.1	45
2916	Fabrication of Alumina Nanotubes and Nanowires by Etching Porous Alumina Membranes. <i>Nano Letters</i> , 2002, 2, 1293-1297.	9.1	210
2917	Large Thick Flattened Carbon Nanotubes. <i>Nano Letters</i> , 2002, 2, 1439-1442.	9.1	58
2918	Combination of Confocal Raman Spectroscopy and Electron Microscopy on the Same Individual Bundles of Single-Walled Carbon Nanotubes. <i>Nano Letters</i> , 2002, 2, 1209-1213.	9.1	7
2919	A Simple Method To Synthesize Nanowires. <i>Chemistry of Materials</i> , 2002, 14, 3564-3568.	6.7	183
2920	Energy loss of charged particles moving in cylindrical tubules. <i>Physical Review A</i> , 2002, 66, .	2.5	26
2921	Immobilization of tetra-tert-butylphthalocyanines on carbon nanotubes: a first step towards the development of new nanomaterials. <i>Journal of Materials Chemistry</i> , 2002, 12, 1636-1639.	6.7	156

#	ARTICLE	IF	CITATIONS
2922	Chemistry of Single-Walled Carbon Nanotubes. Accounts of Chemical Research, 2002, 35, 1105-1113.	15.6	1,444
2923	Reversible band-gap engineering in carbon nanotubes by radial deformation. Physical Review B, 2002, 65, .	3.2	121
2924	Tensile strength of single-walled carbon nanotubes with defects under hydrostatic pressure. Physical Review B, 2002, 65, .	3.2	45
2925	Growth and Structure Evolution of Novel Tin Oxide Diskettes. Journal of the American Chemical Society, 2002, 124, 8673-8680.	13.7	325
2926	Direct Synthesis of Long Single-Walled Carbon Nanotube Strands. Science, 2002, 296, 884-886.	12.6	818
2927	First-principles study of hydrogen adsorption on carbon nanotube surfaces. Physical Review B, 2002, 66, .	3.2	82
2928	Ab Initio Computer Simulations on Microclusters: Structures and Electronic Properties. Springer Series in Cluster Physics, 2002, , 9-88.	0.3	16
2929	129I-Mössbauer Study of Iodine-Doped Single-Walled Carbon Nanotubes. , 2002, , 67-70.		2
2930	Spin-dependent transport in multiwalled carbon nanotubes. Journal of Applied Physics, 2002, 91, 7026.	2.5	45
2931	Arc-melting synthesis of BN nanocapsules from B/Al, TiB ₂ and VB ₂ . Diamond and Related Materials, 2002, 11, 949-952.	3.9	17
2932	Lead oxide nanobelts and phase transformation induced by electron beam irradiation. Applied Physics Letters, 2002, 80, 309-311.	3.3	164
2933	Transport through the interface between a semiconducting carbon nanotube and a metal electrode. Physical Review B, 2002, 66, .	3.2	92
2934	Photoconductivity Study of Modified Carbon Nanotube/Oxotitanium Phthalocyanine Composites. Journal of Physical Chemistry B, 2002, 106, 8971-8975.	2.6	104
2935	Electrochemically Induced Sol-Gel Preparation of Single-Crystalline TiO ₂ Nanowires. Nano Letters, 2002, 2, 717-720.	9.1	488
2936	Alkali Metal Intercalated Fullerene-Like MS ₂ (M = W, Mo) Nanoparticles and Their Properties. Journal of the American Chemical Society, 2002, 124, 4747-4758.	13.7	183
2937	Semi-Continuum Model for Plate-Like Nanomaterials. , 2002, , .		3
2938	Constitutive Modeling of Nanotube-Reinforced Polymer Composites. , 2002, , .		25
2939	Bent and Kinked Multi-Shell Carbon Nanotube - Treating the Interlayer Potential More Realistically. , 2002, , .		2

#	ARTICLE	IF	CITATIONS
2940	Elastic Properties of Single-Walled Carbon Nanotubes. , 2002, , .		3
2941	Light-Weight, Minimally-Intrusive Damping Films Featuring Nanotubes of Carbon. , 2002, , .		1
2942	What Kind of Carbon Nanofiber is Ideal for Structural Applications ?. , 2002, , .		1
2943	Application of Molecular Dynamic Simulation to Nanocomposite Processing: Investigation of Interactions Between Nanotube and Polymer Molecules. , 2002, , .		0
2944	Preparation, Texture, and Magnetic Properties of Carbon Nanotubes/Nanoparticles Doped with Cobalt. Journal of Physical Chemistry B, 2002, 106, 4079-4084.	2.6	28
2945	Pyrolysis in the Mesophase:Â A Chemist's Approach toward Preparing Carbon Nano- and Microparticles. Journal of the American Chemical Society, 2002, 124, 13130-13138.	13.7	101
2946	Excess van der Waals interaction energy of a multiwalled carbon nanotube with an extruded core and the induced core oscillation. Physical Review B, 2002, 65, .	3.2	220
2947	Synthesis, Structure, and Properties of PBO/SWNT Composites&. Macromolecules, 2002, 35, 9039-9043.	4.8	455
2948	Synthesis of CoFe ₂ O ₄ nanowire in carbon nanotubes. A new use of the confinement effect. Chemical Communications, 2002, , 1882-1883.	4.1	90
2949	A simple route towards tubular ZnO. Chemical Communications, 2002, , 262-263.	4.1	254
2950	Rhenium(IV) Sulfide Nanotubes. Journal of the American Chemical Society, 2002, 124, 11582-11583.	13.7	112
2951	Raman Spectroscopy and Field Emission Measurements on Catalytically Grown Carbon Nanotubes. Journal of Physical Chemistry B, 2002, 106, 11191-11195.	2.6	62
2952	Dependence of the Vertically Aligned Growth of Carbon Nanotubes on the Catalysts. Journal of Physical Chemistry B, 2002, 106, 9286-9290.	2.6	59
2953	Carbon Nanotubes from Organometallic Precursors. Accounts of Chemical Research, 2002, 35, 998-1007.	15.6	163
2954	Synthesis and Explosive Decomposition of Organometallic Dehydro[18]annulenes:Â An Access to Carbon Nanostructures. Journal of the American Chemical Society, 2002, 124, 13814-13818.	13.7	90
2955	Nonlinear Resistance versus Length in Single-Walled Carbon Nanotubes. Physical Review Letters, 2002, 88, 036804.	7.8	85
2956	A scalable CVD synthesis of high-purity single-walled carbon nanotubes with porous MgO as support material. Journal of Materials Chemistry, 2002, 12, 1179-1183.	6.7	206
2957	Materials Science of Carbon Nanotubes:â€‰ Fabrication, Integration, and Properties of Macroscopic Structures of Carbon Nanotubes. Accounts of Chemical Research, 2002, 35, 1045-1053.	15.6	286

#	ARTICLE	IF	CITATIONS
2958	X-ray diffraction and Mössbauer characterization of an Fe/SiO ₂ catalyst for the synthesis of carbon nanotubes. Journal of Applied Physics, 2002, 92, 1286-1291.	2.5	24
2959	Straight boron carbide nanorods prepared from carbon nanotubes. Journal of Materials Chemistry, 2002, 12, 3121-3124.	6.7	53
2960	Chiral nanotubes of polyaniline synthesized by a template-free method. Journal of Materials Chemistry, 2002, 12, 897-901.	6.7	221
2961	Self-assembled conducting polypyrrole micro/nanotubes. Nanotechnology, 2002, 13, 771-773.	2.6	142
2962	Measurement accuracy of the diameter of a carbon nanotube from TEM images. Physical Review B, 2002, 65, .	3.2	42
2963	Large-scale synthesis of multi-walled carbon nanotubes by microwave CVD. Smart Materials and Structures, 2002, 11, 610-616.	3.5	44
2964	Fluorination of Single-Wall Carbon Nanotubes and Subsequent Derivatization Reactions. Accounts of Chemical Research, 2002, 35, 1087-1095.	15.6	392
2965	The amorphous nature of C ₆₀ hard carbon manifested in its specific heat, sound velocity and heat conduction. Journal of Physics Condensed Matter, 2002, 14, 6403-6412.	1.8	4
2966	Carbon Nanotubes. Accounts of Chemical Research, 2002, 35, 997-997.	15.6	271
2967	Ferrocene-activated growth of carbon-reinforced silica nanowires from a planar silica layer by chemical vapour deposition. Journal of Physics Condensed Matter, 2002, 14, L511-L517.	1.8	6
2968	Chemistry Inside Carbon Nanotubes: The Menshutkin S _N 2 Reaction. Journal of Physical Chemistry B, 2002, 106, 1921-1925.	2.6	131
2969	Study of the dissolution behavior of selenium and tellurium in different solvents—a novel route to Se, Te tubular bulk single crystals. Journal of Materials Chemistry, 2002, 12, 2755-2761.	6.7	165
2970	Electrical cutting and nicking of carbon nanotubes using an atomic force microscope. Applied Physics Letters, 2002, 80, 4446-4448.	3.3	88
2971	Large scale synthesis of carbon nanotubes by plasma rotating arc discharge technique. Diamond and Related Materials, 2002, 11, 914-917.	3.9	61
2972	Catalytic Transformation of Carbon Black to Carbon Nanotubes. Chemistry of Materials, 2002, 14, 4498-4501.	6.7	17
2973	One-dimensional Steeplechase for Electrons Realized. Nano Letters, 2002, 2, 87-89.	9.1	656
2974	Self-Assembling Vanadium Oxide Nanotubes by Organic Molecular Templates. Inorganic Chemistry, 2002, 41, 4524-4530.	4.0	140
2975	Graphitization Mechanism during the Carbon-Nanotube Formation Based on the In-Situ HRTEM Observation. Journal of Physical Chemistry B, 2002, 106, 1849-1852.	2.6	46

#	ARTICLE	IF	CITATIONS
2976	Growth mechanism and properties of the large area well-aligned carbon nano-structures deposited by microwave plasma electron cyclotron resonance chemical vapor deposition. <i>Diamond and Related Materials</i> , 2002, 11, 922-926.	3.9	17
2977	Localized and directed lateral growth of carbon nanotubes from a porous template. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2002, 20, 2745.	1.6	7
2978	GROWTH OF CARBON NANOTUBES (CNTs) IN ELECTRIC-ARC DISCHARGE IN ARGON. <i>International Journal of Nanoscience</i> , 2002, 01, 235-246.	0.7	12
2979	Low temperature plasma chemical vapour deposition of carbon nanotubes. <i>Diamond and Related Materials</i> , 2002, 11, 918-921.	3.9	17
2980	Influence of iron-silicon interaction on the growth of carbon nanotubes produced by chemical vapor deposition. <i>Applied Physics Letters</i> , 2002, 80, 2383-2385.	3.3	142
2981	Scale up of a Solar Reactor for Fullerene and Nanotube Synthesis. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2002, 124, 22-27.	1.8	25
2982	Preparation of SnO ₂ nanorods by annealing SnO ₂ powder in NaCl flux. <i>Journal of Materials Chemistry</i> , 2002, 12, 1922-1925.	6.7	44
2983	Detonation chemistry of a CHNO explosive: catalytic assembling of carbon nanotubes at low pressure and temperature state. <i>Chemical Communications</i> , 2002, , 2740-2741.	4.1	36
2984	Single-Walled Carbon Nanotube Growth on Silicon Substrates Using Nanoparticle Catalysts. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L89-L91.	1.5	62
2985	In situ micelle-template-interface reaction route to CdS nanotubes and nanowires. <i>Journal of Materials Chemistry</i> , 2002, 12, 3712-3716.	6.7	176
2986	Nanotubes in Si-doped titanium dioxide. <i>Chemical Communications</i> , 2002, , 606-607.	4.1	13
2987	Synthesis of crystalline boron nanowires by laser ablation. <i>Chemical Communications</i> , 2002, , 2806-2807.	4.1	65
2988	Spectroscopic and crystallographic studies on the stability of self-assembled coordination nanotubes. <i>Chemical Communications</i> , 2002, , 2036-2037.	4.1	30
2989	Dynamical Conductivity and Zero-Mode Anomaly in Honeycomb Lattices. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 1318-1324.	1.6	400
2990	Filling factors, structural, and electronic properties of C ₆₀ molecules in single-wall carbon nanotubes. <i>Physical Review B</i> , 2002, 65, .	3.2	108
2991	Nanotechnology research promotion at RIKEN - past, present and future. , 0, , .		1
2992	Carbon nanohorns grown from ruthenium nanoparticles. <i>Chemical Communications</i> , 2002, , 1112-1113.	4.1	13
2993	Self-networking of carbon nanotubes. <i>Chemical Communications</i> , 2002, , 962-963.	4.1	9

#	ARTICLE	IF	CITATIONS
2994	Nano-wire formation and selective adhesion on substrates by single ion track reaction in polysilanes. , 0, , . A novel precursor for synthesis of pure boron nitride nanotubesElectronic supplementary information (ESI) available: (a) experimental apparatus and details; (b) Fig. S2, XRD pattern of BN nanotubes; (c) XRD pattern of the product formed by dispersive Mg at the surface of the graphite susceptor; (d) Fig. S4, EELS spectrum of BN nanotubes; (e) Fig. S5, selected-area electron diffraction; (f) Fig. S6, EDS analysis of open tip. See http://www.rsc.org/suppdata/cc/b2/b202177c/ . Chemical Communications, 2002, , 1290-1291.		0
2995	Catalytic growth of very long composite nanofibres containing Co (or Fe, Ni), SrO and trace carbon. Journal of Materials Chemistry, 2002, 12, 2445-2448.	4.1	269
2996	Topology of naphthylenic tori. Physical Chemistry Chemical Physics, 2002, 4, 4740-4746.	6.7	0
2997	Raman characterization of boron carbonitride nanotubes. Applied Physics Letters, 2002, 80, 3590-3592.	2.8	9
2998	Filling and emptying kinetics of carbon nanotubes in water. Journal of Chemical Physics, 2002, 117, 10789-10795.	3.3	90
2999	Absorption spectra and chirality of single-walled 4 Å... carbon nanotubes. Applied Physics Letters, 2002, 80, 3415-3417.	3.0	224
3000	Carbon nanotubes band assignation, topology, Bloch states, and selection rules. Physical Review B, 2002, 65, .	3.3	39
3001	PHENYLENIC AND NAPHTHYLENIC TORI. Fullerenes Nanotubes and Carbon Nanostructures, 2002, 10, 273-292.	3.2	59
3002	Force measurement with pico-Newton order resolution using a carbon nanotube probe. , 0, , .	2.1	22
3003	Forecasting the development of nanotechnology with the help of science and technology indicators. Nanotechnology, 2002, 13, 243-247.		5
3004	Scattering-matrix formalism of electron transport through three-terminal quantum structures: formulation and application to Y-junction devices. Journal of Physics Condensed Matter, 2002, 14, 12513-12528.	2.6	30
3005	Shape modification of carbon nanotubes and its applications in nanotube scissors. , 0, , .	1.8	13
3006	Beyond the conventional transistor. IBM Journal of Research and Development, 2002, 46, 133-168.		10
3007	“Scission” template “transportation” route to controllably synthesize CdIn ₂ S ₄ nanorods. Journal of Materials Chemistry, 2002, 12, 103-106.	3.1	494
3008	Comparative studies on BN-coatings on SiC and Si ₃ N ₄ nanowires. Journal of Materials Chemistry, 2002, 12, 1910-1913.	6.7	22
3009	Low-temperature and catalyst-free synthesis of well-aligned ZnO nanorods on Si (100). Journal of Materials Chemistry, 2002, 12, 3125-3129.	6.7	38
3010	Bias effect on the growth of carbon nanotips using microwave plasma chemical vapor deposition. Applied Physics Letters, 2002, 81, 721-723.	6.7	65
3011		3.3	47

#	ARTICLE	IF	CITATIONS
3012	Single-crystalline gallium nitride nanobelts. Applied Physics Letters, 2002, 81, 126-128.	3.3	100
3013	Structure and properties of carbon onion layers deposited onto various substrates. Journal of Applied Physics, 2002, 91, 1560-1567.	2.5	69
3014	Si ₃ N ₄ /SiC interface structure in SiC-nanocrystal-embedded $\hat{1}\pm$ -Si ₃ N ₄ nanorods. Journal of Applied Physics, 2002, 91, 1515-1519.	2.5	15
3015	Polymerized carbon nitride nanobells. Journal of Applied Physics, 2002, 91, 9324-9332.	2.5	75
3016	Noise properties of an individual and two crossing multiwalled carbon nanotubes. Applied Physics Letters, 2002, 80, 1055-1057.	3.3	28
3017	On-chip vacuum microtriode using carbon nanotube field emitters. Applied Physics Letters, 2002, 80, 3820-3822.	3.3	116
3018	Carbon nanotube electron emitters with a gated structure using backside exposure processes. Applied Physics Letters, 2002, 80, 4045-4047.	3.3	155
3019	Self-assembled carbon nanotubes grown without catalyst from nanosized carbon particles adsorbed on silicon. Applied Physics Letters, 2002, 80, 1441-1443.	3.3	30
3020	Formation and microstructure of carbon encapsulated superparamagnetic Co nanoparticles. Molecular Physics, 2002, 100, 3147-3150.	1.7	10
3021	Filling Carbon Nanotubes Using an ARC Discharge. Fundamental Materials Research, 2002, , 1-16.	0.1	3
3022	Geological fullerenes: review and analysis. Earth and Planetary Science Letters, 2002, 203, 781-792.	4.4	101
3023	Carbon nanotubes: opportunities and challenges. Surface Science, 2002, 500, 218-241.	1.9	1,190
3024	Field ion microscopy of multiwall carbon nanotubes: observation of pentagons and cap breakage under high electric field. Surface Science, 2002, 499, L119-L123.	1.9	22
3025	Adsorption studies of a krypton film adsorbed on catalytically synthesized multiwalled carbon nanotubes. Surface Science, 2002, 506, 137-144.	1.9	7
3026	Anodic oxidation of hydrazine at carbon nanotube powder microelectrode and its detection. Talanta, 2002, 58, 529-534.	5.5	160
3027	High stability of emission current for a new carbon nanostructure film. Journal of Non-Crystalline Solids, 2002, 299-302, 864-867.	3.1	10
3028	Incorporation of nitrogen in carbon nanotubes. Journal of Non-Crystalline Solids, 2002, 299-302, 874-879.	3.1	92
3029	Inclusion of carbon nanotubes in a TiO ₂ sol-gel matrix. Journal of Non-Crystalline Solids, 2002, 311, 130-137.	3.1	78

#	ARTICLE	IF	CITATIONS
3030	C60 encapsulation inside single-walled carbon nanotubes using alkali-“fullerene plasma method. Carbon, 2002, 40, 2247-2253.	10.3	42
3031	Formation of Silicon Carbide Nanotubes and Nanowires via Reaction of Silicon (from) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 707 Society, 2002, 124, 14464-14471.	13.7	527
3032	Scanning probe microscopy installed with nanotube probes and nanotube tweezers. Ultramicroscopy, 2002, 91, 49-56.	1.9	47
3033	A novel chemical route to SiO2 nanowires. Science in China Series B: Chemistry, 2002, 45, 389.	0.8	5
3034	First-principles calculations of metal stabilizedSi2Ocages. Physical Review B, 2002, 65, .	3.2	70
3035	Characterization of Nanoporous Materials. , 2002, , 255-272.		2
3036	Carbon Nanotubes and Spheres Produced by Modified Ferrocene Pyrolysis. Chemistry of Materials, 2002, 14, 3990-3994.	6.7	149
3037	Theory ofB2OandBeB2Nanotubes: New Semiconductors and Metals in One Dimension. Physical Review Letters, 2002, 89, 056403.	7.8	70
3038	Optical simulations of electron diffraction by carbon nanotubes. Reviews of Modern Physics, 2002, 74, 1-10.	45.6	78
3040	Linking Chiral Indices and Transport Properties of Double-Walled Carbon Nanotubes. Physical Review Letters, 2002, 89, 155501.	7.8	164
3041	Phase recovery and lensless imaging by iterative methods in optical, X-ray and electron diffraction. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2002, 360, 875-895.	3.4	73
3042	Hydrogen storage in carbon nanostructures. Journal of Alloys and Compounds, 2002, 330-332, 654-658.	5.5	215
3043	Hydrogen sorption by carbon nanotubes and other carbon nanostructures. Journal of Alloys and Compounds, 2002, 330-332, 676-682.	5.5	113
3044	Î2-Ga2O3 nanowires on unpatterned and patterned MgO single crystal substrates. Journal of Alloys and Compounds, 2002, 345, 275-279.	5.5	10
3045	Carbon-nanofibre-reinforced poly(ether ether ketone) composites. Composites Part A: Applied Science and Manufacturing, 2002, 33, 1033-1039.	7.6	296
3046	Preparation and preliminary property study of carbon nanotubes films by electrophoretic deposition. Materials Letters, 2002, 57, 434-438.	2.6	98
3047	Non-destructive purification of multi-walled carbon nanotubes produced by catalyzed CVD. Materials Letters, 2002, 57, 734-738.	2.6	138
3048	A study of activated carbon nanotubes as electrochemical super capacitors electrode materials. Materials Letters, 2002, 57, 988-991.	2.6	122

#	ARTICLE	IF	CITATIONS
3049	Low pressure synthesis of single-walled carbon nanotubes by arc discharge. <i>Synthetic Metals</i> , 2002, 126, 245-251.	3.9	70
3050	Single-walled carbon nanotube/polymer composites: electrical, optical and structural investigation. <i>Synthetic Metals</i> , 2002, 127, 59-62.	3.9	268
3051	Conduction mechanisms in single-walled carbon nanotubes. <i>Synthetic Metals</i> , 2002, 128, 235-239.	3.9	52
3052	Nanostructures of Polyaniline Doped with Inorganic Acids. <i>Macromolecules</i> , 2002, 35, 5937-5942.	4.8	594
3053	Synthesis of Cobalt Oxide Nanotubes from Colloidal Particles Modified with a Co(III)-Cysteinato Precursor. <i>Chemistry of Materials</i> , 2002, 14, 1897-1902.	6.7	56
3054	Multiwall Carbon Nanotubes: Synthesis and Application. <i>Accounts of Chemical Research</i> , 2002, 35, 1008-1017.	15.6	631
3055	Fabrication of dot matrix, comb, and nanowire structures using laser ablation by interfered femtosecond laser beams. <i>Applied Physics Letters</i> , 2002, 81, 4239-4241.	3.3	95
3056	Formation of Conical Carbon Structures on Vapor-Grown Carbon Filaments. <i>Nano Letters</i> , 2002, 2, 673-676.	9.1	52
3057	Carbon Nanostructures. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2002, 27, 227-356.	12.3	708
3058	Direct Synthesis of Gallium Oxide Tubes, Nanowires, and Nanopaintbrushes. <i>Journal of the American Chemical Society</i> , 2002, 124, 12288-12293.	13.7	219
3059	From straight carbon nanotubes to Y-branched and coiled carbon nanotubes. <i>Diamond and Related Materials</i> , 2002, 11, 1081-1085.	3.9	29
3060	Field emission, structure, cathodoluminescence and formation studies of carbon and Si-C-N nanotubes. <i>Diamond and Related Materials</i> , 2002, 11, 793-798.	3.9	27
3061	Growth and characterization of SiC micro-crystals on Si(100) substrate by the chemical vapor deposition method. <i>Diamond and Related Materials</i> , 2002, 11, 1703-1708.	3.9	7
3062	Fabrication of vertically aligned carbon nanotubes patterns by chemical vapor deposition for field emitters. <i>Diamond and Related Materials</i> , 2002, 11, 1638-1642.	3.9	44
3063	Role of adsorbates in field emission from nanotubes. <i>Diamond and Related Materials</i> , 2002, 11, 769-773.	3.9	27
3064	Field emission display with carbon nanotubes cathode: prepared by a screen-printing process. <i>Diamond and Related Materials</i> , 2002, 11, 1845-1847.	3.9	93
3065	Novel BN tassel-like and tree-like nanostructures. <i>Diamond and Related Materials</i> , 2002, 11, 1397-1402.	3.9	21
3066	Nanocrystalline diamond directly transformed from carbon nanotubes under high pressure. <i>Diamond and Related Materials</i> , 2002, 11, 87-91.	3.9	89

#	ARTICLE	IF	CITATIONS
3067	Chemical Doping of Single-Wall Carbon Nanotubes. Accounts of Chemical Research, 2002, 35, 1079-1086.	15.6	148
3068	Electronic Properties of Single-Walled Carbon Nanotubes. Journal of the Physical Society of Japan, 2002, 71, 1339-1345.	1.6	16
3069	Electric Polarization of Heteropolar Nanotubes as a Geometric Phase. Physical Review Letters, 2002, 88, 056803.	7.8	269
3070	Temperature-Dependent Growth of Vertically Aligned Carbon Nanotubes in the Range 800~1100 °C. Journal of Physical Chemistry B, 2002, 106, 7614-7618.	2.6	163
3071	Study of the field-screening effect of highly ordered carbon nanotube arrays. Applied Physics Letters, 2002, 80, 2392-2394.	3.3	258
3072	Comparative Study of Catalysts containing Transition Metals in Production of Carbon Nanotubes. AIP Conference Proceedings, 2002, , .	0.4	0
3074	Impulse Heating an Intercalated Compound Using a 27.12 MHz Atmospheric Inductively Coupled Argon Plasma to Produce Nanotubular Structures. , 2002, , 169-180.		0
3075	Quantum Transport in Inhomogeneous Multi-Wall Nanotubes. , 2002, , 333-347.		0
3076	Direct Measurement of Binding Energy Via Adsorption of Methane on SWNT. , 2002, , 215-221.		0
3077	Physics of the Metal-Carbon Nanotube Interfaces: Charge Transfers, Fermi-Level "Pinning" and Application to the Scanning Tunneling Spectroscopy. , 2002, , 121-135.		0
3078	Scalar fields: from domain walls to nanotubes and fullerenes. Brazilian Journal of Physics, 2002, 32, 869-879.	1.4	16
3079	New Properties of Carbon-Based Nanostructures: Tubes, Peapods and Flakes. AIP Conference Proceedings, 2002, , .	0.4	0
3080	Comparative Study of a Coiled Carbon Nanotube by Atomic Force Microscopy and Scanning Electron Microscopy. Fundamental Materials Research, 2002, , 83-91.	0.1	0
3081	Encapsulation and crystallization behavior of materials inside carbon nanotubes. , 2002, , 361-386.		4
3082	Modification of multiwalled carbon nanotubes by different breaking processes. European Physical Journal Special Topics, 2002, 12, 107-112.	0.2	2
3083	Controlled Growth of Carbon Nanotubes and Their Mass Production. Shinku/Journal of the Vacuum Society of Japan, 2002, 45, 65-69.	0.2	1
3084	Cold plasma processes in surface science and technology. , 2002, , 219-260.		2
3085	Resonance Raman scattering: nondestructive and noninvasive technique for structural and electronic characterization of isolated single-wall carbon nanotubes. Brazilian Journal of Physics, 2002, 32, 921-924.	1.4	4

#	ARTICLE	IF	CITATIONS
3086	Study of Field Emission Behavior of Carbon Nanotubes with Different Sources. Materials Research Society Symposia Proceedings, 2002, 728, 8431.	0.1	1
3087	Nonlithographic fabrication of lateral superlattices for nanometric electromagnetic-optic applications. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 998-1008.	2.9	37
3088	A micromachined vacuum triode using a carbon nanotube cold cathode. IEEE Transactions on Electron Devices, 2002, 49, 1478-1483.	3.0	39
3089	Study of multi-walled carbon nanotube structures fabricated by PMMA suspended dispersion. Microelectronic Engineering, 2002, 61-62, 475-483.	2.4	27
3090	Manufacture of single electron transistors using AFM manipulation on multiwalled carbon nanotubes. Microelectronic Engineering, 2002, 61-62, 687-691.	2.4	13
3091	Synthesis and characterization of CuO nanowhiskers by a novel one-step, solid-state reaction in the presence of a nonionic surfactant. Materials Research Bulletin, 2002, 37, 1093-1100.	5.2	98
3092	Iron and cobalt silicide catalysts-assisted carbon nanostructures on the patterned Si substrates. Thin Solid Films, 2002, 420-421, 219-224.	1.8	55
3093	Growth of carbon nanotubes and nanowires using selected catalysts. Thin Solid Films, 2002, 420-421, 145-150.	1.8	17
3094	Growth of carbon nanotubes by microwave plasma chemical vapor deposition using CH ₄ and CO ₂ gas mixture. Thin Solid Films, 2002, 420-421, 230-234.	1.8	20
3095	Tube- and ball-like amorphous MoS ₂ prepared by a solvothermal method. Materials Chemistry and Physics, 2002, 73, 327-329.	4.0	47
3096	Nanotube-like structures naturally formed on HOPG surface. Materials Characterization, 2002, 48, 237-240.	4.4	4
3101	From Surfactant to Inorganic Mesostructures to Tungsten Nanowires The authors thank Prof. G. D. Stucky for helpful discussions. This work was supported by the National Science Foundation of China and the State key project of Fundamental Research for Nano-materials and Nano-structures..	13.8	105
3102	Dynamic Kinetic Resolution and Desymmetrization of Enantiotopic Groups by Cyclodehydration of Racemic or Prochiral α -Oxoesters with (R)-Phenylglycinol: Enantioselective Synthesis of Piperidines This work was supported by the DGICYT, Spain (BQU2000-0651), and the CUR, Generalitat de Catalunya (2001SGR-0084). We also thank the Ministry of Education, Culture, and Sport for fellowships to M.C. and M.P., as well as the CICYT, Spain, for a postdoctoral fellowship to V.P.. Angewandte Chemie - International Edition, 2002, 41, 335.	13.8	57
3103	Semiconductor Nanohelices Templated by Supramolecular Ribbons. Angewandte Chemie - International Edition, 2002, 41, 1705-1709.	13.8	256
3104	Carbon Nanotube Quantum Dots. Physica Status Solidi (B): Basic Research, 2002, 232, 37-43.	1.5	4
3105	Atomistic Simulations with Carbon Nanotubes - Classical, Quantum, and Transport Modeling. Physica Status Solidi (B): Basic Research, 2002, 233, 49-58.	1.5	5
3106	Formation Mechanism of Pentagonal Defects and Bamboo-Like Structures in Carbon Nanotube Growth Mediated by Surface Diffusion. Physica Status Solidi A, 2002, 193, 585-596.	1.7	27
3107	Synthesis and Characterization of Cu ₂ O Nanowires by a Novel Reduction Route. Advanced Materials, 2002, 14, 67-69.	21.0	467

#	ARTICLE	IF	CITATIONS
3108	Selective Growth of Carbon Nanotubes on Pre-patterned Porous Anodic Aluminum Oxide. <i>Advanced Materials</i> , 2002, 14, 277-279.	21.0	90
3109	Formation of Tellurium Nanotubes Through Concentration Depletion at the Surfaces of Seeds. <i>Advanced Materials</i> , 2002, 14, 279-282.	21.0	381
3110	Rare Earth (Er, Tm, Yb, Lu) Oxide Nanotubes Templated by Dodecylsulfate Assemblies. <i>Advanced Materials</i> , 2002, 14, 309-313.	21.0	260
3111	Carbon Nanotubes Prepared by Spinning and Carbonizing Fine Core-Shell Polymer Microspheres. <i>Advanced Materials</i> , 2002, 14, 452-455.	21.0	56
3112	Self-Assembled Monodisperse Steroid Nanotubes in Water. <i>Advanced Materials</i> , 2002, 14, 495-498.	21.0	106
3113	Wear and Friction of Ni-P Electroless Composite Coating Including Inorganic Fullerene-WS ₂ Nanoparticles. <i>Advanced Engineering Materials</i> , 2002, 4, 686-690.	3.5	65
3114	Growth of Filamentous Carbon from the Surface of Ni/SiO ₂ Doped with Alkali Metal Bromides. <i>Journal of Colloid and Interface Science</i> , 2002, 250, 37-48.	9.4	20
3115	Electrochemical Sensors Based on Carbon Nanotubes. <i>Electroanalysis</i> , 2002, 14, 1609-1613.	2.9	553
3116	On the continuum modeling of carbon nanotubes. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2002, 18, 528-536.	3.4	42
3117	Synthesis, assembly and device of 1-dimentional nanostructures. <i>Science Bulletin</i> , 2002, 47, 1149-1156.	1.7	1
3118	Carbon nanotubes and nanofibre: An overview. <i>Fibers and Polymers</i> , 2002, 3, 134-139.	2.1	78
3119	Catalytic growth of semiconductor micro- and nano-crystals using transition metal catalysts. <i>Korean Journal of Chemical Engineering</i> , 2002, 19, 510-518.	2.7	4
3120	Transmission electron microscopy characterization of GaN nanowires. <i>Journal of Electronic Materials</i> , 2002, 31, 391-394.	2.2	3
3121	Electrical properties of PVdF/PVP composite filled with carbon nanotubes prepared by floating catalyst method. <i>Macromolecular Research</i> , 2002, 10, 253-258.	2.4	50
3122	Analysis of non-planar graphitic structures: from arched edge planes of graphite crystals to nanotubes. <i>Materials Research Innovations</i> , 2002, 5, 191-200.	2.3	103
3123	Synthesis and catalytic uses of carbon and silicon carbide nanostructures. <i>Catalysis Today</i> , 2002, 76, 11-32.	4.4	138
3124	Impact of the structure and reactivity of nickel particles on the catalytic growth of carbon nanofibers. <i>Catalysis Today</i> , 2002, 76, 33-42.	4.4	337
3125	Short-range interactions in the single-wall carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2002, 312-313, 677-679.	2.7	2

#	ARTICLE	IF	CITATIONS
3126	Carbon nanotubes: past, present, and future. Physica B: Condensed Matter, 2002, 323, 1-5.	2.7	512
3127	Interconnection of nanostructures using carbon nanotubes. Physica B: Condensed Matter, 2002, 323, 122-123.	2.7	37
3128	Pore structure and adsorption properties of single-walled carbon nanohorn bud-like aggregates treated in different atmospheres. Physica B: Condensed Matter, 2002, 323, 143-145.	2.7	18
3129	Electron field emission properties of carbon nanotubes grown on tungsten wire. Physica B: Condensed Matter, 2002, 323, 158-160.	2.7	7
3130	Rectified current in the carbon nanotube junction. Physica B: Condensed Matter, 2002, 323, 211-213.	2.7	7
3131	Prediction of electronic properties of carbon-based nanostructures. Physica B: Condensed Matter, 2002, 323, 21-29.	2.7	20
3132	Field emission of carbon nanotubes and its application as electron sources of ultra-high luminance light-source devices. Physica B: Condensed Matter, 2002, 323, 30-37.	2.7	74
3133	Electronic structure of potassium-doped carbon nanotubes. Physica B: Condensed Matter, 2002, 323, 219-221.	2.7	6
3134	Theory of ballistic transport in carbon nanotubes. Physica B: Condensed Matter, 2002, 323, 44-50.	2.7	21
3135	Preparation of aligned multi-walled BN and B/C/N nanotubular arrays and their characterization using HRTEM, EELS and energy-filtered TEM. Physica B: Condensed Matter, 2002, 323, 60-66.	2.7	34
3136	Electronic and geometric structures of multi-walled BN nanotubes. Physica B: Condensed Matter, 2002, 323, 224-226.	2.7	13
3137	Local electronic transport through a junction of SWNT bundles. Physica B: Condensed Matter, 2002, 323, 227-229.	2.7	12
3138	Magnetic field dependence of Coulomb oscillations in metal/multi-wall carbon nanotube/metal structures. Physica B: Condensed Matter, 2002, 323, 246-248.	2.7	10
3139	Onset of nanotube decay under extreme thermal and electronic excitations. Physica B: Condensed Matter, 2002, 323, 78-85.	2.7	37
3140	Mesoscopic origami with graphite: scrolls, nanotubes, peapods. Physica B: Condensed Matter, 2002, 323, 86-89.	2.7	52
3141	Carbon nanotube devices for nanoelectronics. Physica B: Condensed Matter, 2002, 323, 107-114.	2.7	138
3142	Carbon-nanotube formation mechanism reduced from the in situ observations: selective growth of nanotubes and nanoparticles. Physica B: Condensed Matter, 2002, 323, 269-271.	2.7	0
3143	Chemical treatment and modification of multi-walled carbon nanotubes. Physica B: Condensed Matter, 2002, 323, 280-283.	2.7	269

#	ARTICLE	IF	CITATIONS
3144	Formation of carbon nanofiber films by RF magnetron sputtering method. Physica B: Condensed Matter, 2002, 323, 347-349.	2.7	4
3145	Transformation of graphite into multi-walled carbon nanotubes by AC torch-arc. Physica B: Condensed Matter, 2002, 323, 287-289.	2.7	4
3146	Production of carbon nanotubes by controlling radio-frequency glow discharge with reactive gases. Physica B: Condensed Matter, 2002, 323, 290-292.	2.7	20
3147	Liquid phase synthesis of carbon nanotubes. Physica B: Condensed Matter, 2002, 323, 293-295.	2.7	32
3148	Aligned carbon nanotube films on SiC(0001) wafers. Physica B: Condensed Matter, 2002, 323, 296-298.	2.7	13
3149	Ni-based catalytic growth of vertically aligned multi-walled carbon nanotubes by dual-RF plasma CVD method and their field emission properties. Physica B: Condensed Matter, 2002, 323, 299-302.	2.7	3
3150	Pre-treatment of Fe(C ₅ H ₇ COO) ₃ metal-organics for growing carbon nanotubes on silicon substrates. Physica B: Condensed Matter, 2002, 323, 308-310.	2.7	3
3151	Catalysts effect on morphology of carbon nanotubes prepared by catalytic chemical vapor deposition in a nano-agglomerate bed. Physica B: Condensed Matter, 2002, 323, 314-317.	2.7	37
3152	Carbon nanotube production by a cracking of liquid hydrocarbons. Physica B: Condensed Matter, 2002, 323, 324-326.	2.7	18
3153	Production of multi-wall carbon nanotubes on a large scale. Physica B: Condensed Matter, 2002, 323, 330-332.	2.7	27
3154	Formation of aligned carbon nanotubes by RF-plasma-assisted pulsed-laser deposition. Physica B: Condensed Matter, 2002, 323, 341-343.	2.7	9
3155	External-grid induced well-aligned carbon nanotubes grown on corning glass at extremely low temperature of about 400Â°C. Physica B: Condensed Matter, 2002, 323, 344-346.	2.7	3
3156	Direct mechanical measurement of the tensile strength and elastic modulus of multiwalled carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 334, 173-178.	5.6	951
3157	Synthesis of carbon nanostructures by microwave plasma chemical vapor deposition and their characterization. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 90, 16-19.	3.5	16
3158	An atomic-scale analysis of catalytically-assisted chemical vapor deposition of carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 94, 247-259.	3.5	21
3159	Carbon nanotubes, nanofilaments and nanobeads by thermal chemical vapor deposition process. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 96, 24-28.	3.5	46
3160	Synthesis and characterization of several one-dimensional nanomaterials. Micron, 2002, 33, 523-534.	2.2	21
3161	Fabrication of Cu-induced networks of linear nanostructures on different length scales. Acta Materialia, 2002, 50, 4925-4933.	7.9	6

#	ARTICLE	IF	CITATIONS
3162	The revolutionary creation of new advanced materialsâ€”carbon nanotube composites. Composites Part B: Engineering, 2002, 33, 263-277.	12.0	891
3163	Achieving atomic resolution. Materials Today, 2002, 5, 20-33.	14.2	2
3164	Alumina and silica supported metal catalysts for the production of carbon nanotubes. Journal of Molecular Catalysis A, 2002, 181, 57-62.	4.8	132
3165	Filamentous carbon prepared by the catalytic pyrolysis of CH ₄ on Ni/SiO ₂ . Applied Catalysis A: General, 2002, 231, 35-44.	4.3	119
3166	Heterogeneous catalytic production and mechanical resistance of nanotubes prepared on magnesium oxide supported Co-based catalysts. Applied Catalysis A: General, 2002, 229, 229-233.	4.3	26
3167	Room temperature growth of single-wall coiled carbon nanotubes and Y-branches. Materials Science and Engineering C, 2002, 19, 3-7.	7.3	31
3168	Catalyst traces and other impurities in chemically purified carbon nanotubes grown by CVD. Materials Science and Engineering C, 2002, 19, 9-13.	7.3	45
3169	Electro-optical properties of single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 745-748.	2.7	5
3170	Microstructural and compositional characterization of a new silicon carbide nanocables using scanning transmission electron microscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 15, 1-5.	2.7	15
3171	Oscillations of ultra-thin copper nanobridges at room temperature: molecular dynamics simulations. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 15, 82-87.	2.7	8
3172	Electrochemical lithiation and de-lithiation of carbon nanotube-Sn ₂ Sb nanocomposites. Electrochemistry Communications, 2002, 4, 260-265.	4.7	66
3173	Electric double layer capacitance of highly pure single-walled carbon nanotubes (HiPcoâ„¢,â€œBuckytubesâ„¢) in propylene carbonate electrolytes. Electrochemistry Communications, 2002, 4, 593-598.	4.7	192
3174	Chargeâ€”discharge characteristics of raw acid-oxidized carbon nanotubes. Electrochemistry Communications, 2002, 4, 574-578.	4.7	43
3175	Electrocatalytic oxidation of nitric oxide at multi-walled carbon nanotubes modified electrode. Electrochemistry Communications, 2002, 4, 690-694.	4.7	232
3176	Synthesis of multiwalled carbon nanotubes using methane/air diffusion flames. Proceedings of the Combustion Institute, 2002, 29, 1087-1092.	3.9	36
3177	Nanotube actuators for nanomechanics. Current Applied Physics, 2002, 2, 61-64.	2.4	49
3178	Ballistic conductance in quantum devices: from organic polymers to nanotubes. Current Applied Physics, 2002, 2, 47-49.	2.4	8
3179	Formation of vesicle-templated CdSe hollow spheres in an ultrasound-induced anionic surfactant solution. Ultrasonics Sonochemistry, 2002, 9, 311-316.	8.2	97

#	ARTICLE	IF	CITATIONS
3180	The structure of trititanate nanotubes. Acta Crystallographica Section B: Structural Science, 2002, 58, 587-593.	1.8	433
3181	Exotic transport properties of two-dimensional graphite. Microelectronic Engineering, 2002, 63, 167-172.	2.4	5
3182	Resistance dependence of transport properties in metalâ€“multiwall carbon nanotubeâ€“metal structures. Microelectronic Engineering, 2002, 63, 33-37.	2.4	4
3183	Position control of carbon nanotube using patterned electrode and electric field. Microelectronic Engineering, 2002, 63, 27-31.	2.4	21
3184	Influence of heat treatment on field emissive properties of single-walled carbon nanotubes. Applied Surface Science, 2002, 195, 20-30.	6.1	5
3185	Single crystallization of Pb in carbon nanotubes. Applied Surface Science, 2002, 195, 38-41.	6.1	4
3186	Comparative adsorption of simple molecules on carbon nanotubes. Applied Surface Science, 2002, 196, 209-215.	6.1	49
3187	Optimization of the chemical vapor deposition process for carbon nanotubes fabrication. Applied Surface Science, 2002, 191, 223-239.	6.1	41
3188	Vertically aligned carbon nanotube growth by pulsed laser deposition and thermal chemical vapor deposition methods. Applied Surface Science, 2002, 197-198, 568-573.	6.1	18
3189	Optimization of the chemical vapor deposition process for carbon nanotubes fabrication. Applied Surface Science, 2002, 199, 90-106.	6.1	34
3190	Structural and electronic effects of the interaction of metal cations with benzene. Computational and Theoretical Chemistry, 2002, 589-590, 337-347.	1.5	20
3191	A constructive enumeration of nanotube caps. Discrete Applied Mathematics, 2002, 116, 55-71.	0.9	32
3192	Nanostructured materials for electrochromic devices. Solid State Ionics, 2002, 154-155, 425-431.	2.7	64
3193	Evolution of single-wall carbon nanotubes during hydrothermal treatment. Solid State Ionics, 2002, 151, 205-211.	2.7	9
3194	Review of hydrogen storage by adsorption in carbon nanotubes. International Journal of Hydrogen Energy, 2002, 27, 193-202.	7.1	565
3195	Hydrogen storage in carbon nanostructures. International Journal of Hydrogen Energy, 2002, 27, 203-212.	7.1	509
3196	Nanotube diameter optimal for channeling of high-energy particle beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 542, 111-115.	4.1	55
3197	Chiral anomaly in toroidal carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 296, 237-242.	2.1	3

#	ARTICLE	IF	CITATIONS
3198	Deviatoric elasticity as a possible physical mechanism explaining collapse of inorganic micro and nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 296, 151-155.	2.1	34
3199	Fabrication of semiconducting ZnO nanobelts using a halide source and their photoluminescence properties. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 299, 276-281.	2.1	99
3200	New group structures for Carbon onions and Carbon nanotubes via affine extensions of non-crystallographic Coxeter groups. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 300, 437-444.	2.1	16
3201	Localization length in deformed metallic carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 302, 125-130.	2.1	7
3202	Simulation for separation of hydrogen and carbon monoxide by adsorption on single-walled carbon nanotubes. Fluid Phase Equilibria, 2002, 194-197, 297-307.	2.5	52
3203	Application of electrochemically prepared carbon nanofibers in supercapacitors. Journal of Power Sources, 2002, 109, 105-110.	7.8	39
3204	Performance of the carbon nano-tube assembled tip for surface shape characterization. Ultramicroscopy, 2002, 91, 57-62.	1.9	15
3205	Continuous Ni-layer on multiwall carbon nanotubes by an electroless plating method. Surface and Coatings Technology, 2002, 155, 33-36.	4.8	113
3206	Electrodeposited nickel composites containing carbon nanotubes. Surface and Coatings Technology, 2002, 155, 274-278.	4.8	89
3207	Helical carbon nanotube arrays: mechanical properties. Composites Science and Technology, 2002, 62, 419-428.	7.8	110
3208	Equivalent-continuum modeling of nano-structured materials. Composites Science and Technology, 2002, 62, 1869-1880.	7.8	561
3209	X-ray photoelectron spectroscopy as a method to control the formation of metal-carbon tubules. Surface and Interface Analysis, 2002, 34, 80-83.	1.8	1
3210	Atomic force microscopy imaging and cutting of beaded carbon nanotubes deposited on glass. Surface and Interface Analysis, 2002, 33, 900-904.	1.8	7
3211	Macroscopic field emission properties of aligned carbon nanotubes array and randomly oriented carbon nanotubes layer. Thin Solid Films, 2002, 405, 243-247.	1.8	22
3212	Experimental study of fullerene-family formation using radio-frequency-discharge reactive plasmas. Thin Solid Films, 2002, 407, 26-31.	1.8	25
3213	NH ₃ effect on the growth of carbon nanotubes on glass substrate in plasma enhanced chemical vapor deposition. Thin Solid Films, 2002, 409, 120-125.	1.8	28
3214	Cross-sectional transmission electron microscopy of carbon nanotubesâ€“catalystâ€“substrate heterostructure using a novel method for specimen preparation. Thin Solid Films, 2002, 415, 78-82.	1.8	20
3215	Orientation dependence of magneto-resistance behaviour in a carbon nanotube rope. Thin Solid Films, 2002, 417, 67-71.	1.8	22

#	ARTICLE	IF	CITATIONS
3216	Evaluation of the elastic constants of nanoparticles from atomistic simulations. Polymer, 2002, 43, 489-494.	3.8	19
3217	The effects of oxygen substitution on electronic structure of single-walled carbon nanotubes. Solid State Communications, 2002, 122, 121-124.	1.9	8
3218	Graphite/hydrogen reduction route to Ga ₂ O ₃ nanobelts. Solid State Communications, 2002, 122, 493-496.	1.9	33
3219	Electronic spectra and third-order nonlinear properties of new structures in carbon family. Solid State Communications, 2002, 122, 307-310.	1.9	20
3220	Synthesis of boron nitride nanotubes by using YB ₆ powder. Solid State Communications, 2002, 122, 465-468.	1.9	45
3221	In situ X-ray diffraction study of carbon nanotubes and filaments during their formation over Co/Al ₂ O ₃ catalysts. Solid State Communications, 2002, 123, 161-166.	1.9	19
3222	Optical excitations of boron nitride ribbons and nanotubes. Solid State Communications, 2002, 123, 365-369.	1.9	29
3223	Direct synthesis of β -SiC and h-BN coated β -SiC nanowires. Solid State Communications, 2002, 124, 157-161.	1.9	42
3224	Growth-temperature induced metal-insulator transition in bamboo-shaped multiwalled carbon nanotubes. Solid State Communications, 2002, 124, 147-150.	1.9	12
3225	Localized cathodoluminescence investigation on single Ga ₂ O ₃ nanoribbon/nanowire. Solid State Communications, 2002, 124, 417-421.	1.9	49
3226	Electronic transmission through a metallic cluster attached to an adsorbed nanowire: creation of a nanoscale electronic on/off switch. Surface Science, 2002, 511, 203-214.	1.9	12
3227	Design of Si surfaces for self-assembled nanoarchitecture. Surface Science, 2002, 514, 1-9.	1.9	21
3228	Carbon-nanotube formation directly on a substrate by an electron beam. Surface Science, 2002, 514, 216-221.	1.9	5
3229	First principles calculations for electronic band structure of single-walled carbon nanotube under uniaxial strain. Surface Science, 2002, 514, 222-226.	1.9	41
3230	Application of carbon nanotubes to the cathode ray tube-electron gun. Vacuum, 2002, 68, 79-85.	3.5	12
3231	NMR relaxation rate in metallic carbon nanotubes. Journal of Physics and Chemistry of Solids, 2002, 63, 1281-1284.	4.0	9
3232	A Möbius strip of single crystals. Nature, 2002, 417, 397-398.	27.8	203
3233	Wired for success. Nature, 2002, 419, 553-555.	27.8	288

#	ARTICLE	IF	CITATIONS
3234	Large-area synthesis of carbon nanofibres at room temperature. Nature Materials, 2002, 1, 165-168.	27.5	204
3235	High-performance transistors. Nature Materials, 2002, 1, 203-204.	27.5	24
3236	Correlations between the physical properties of the carbon phases obtained at a high pressure from C60 fullerite. Physics of the Solid State, 2002, 44, 405-409.	0.6	8
3237	Discrete and continuum models for calculating the phonon spectra of carbon nanotubes. Physics of the Solid State, 2002, 44, 1802-1807.	0.6	20
3238	Interplay between the structure and properties of new metastable carbon phases obtained under high pressures from fullerite C60 and carbyne. JETP Letters, 2002, 76, 681-692.	1.4	28
3239	Composition dependent transport diffusion coefficients of CH4/CF4 mixtures in carbon nanotubes by non-equilibrium molecular dynamics simulations. Chemical Engineering Science, 2002, 57, 1343-1354.	3.8	28
3240	Computational studies of carbon nanotube structures. Computer Physics Communications, 2002, 147, 91-96.	7.5	26
3241	O(N) parallel tight binding molecular dynamics simulation of carbon nanotubes. Computer Physics Communications, 2002, 148, 188-205.	7.5	11
3242	Application of energy-filtering transmission electron microscopy to characterize amorphous boron nanowires. Journal of Crystal Growth, 2002, 244, 123-128.	1.5	9
3243	Directional CdS nanowires fabricated by chemical bath deposition. Journal of Crystal Growth, 2002, 246, 108-112.	1.5	75
3244	Surface analysis of a well-aligned carbon nanotube film by positron-annihilation induced Auger-electron spectroscopy. Applied Surface Science, 2002, 194, 291-295.	6.1	10
3245	Second-order perturbational analysis of the interaction between graphite sheets. Chemical Physics, 2002, 279, 111-131.	1.9	15
3246	Aggregation properties of carbon nanotubes at interfaces. Chemical Physics, 2002, 281, 455-463.	1.9	27
3247	Similarity of skeletal objects in the range 10^{-5} Åcm to 10^{23} Åcm. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 306, 175-183.	2.1	12
3248	Molecular thermodynamics concerning complex materials. Fluid Phase Equilibria, 2002, 194-197, 97-106.	2.5	3
3249	Low-temperature catalytic growth of carbon nanotubes under microwave plasma assistance. Catalysis Today, 2002, 72, 205-211.	4.4	21
3250	Methane decomposition to carbon nanotubes and hydrogen on an alumina supported nickel aerogel catalyst. Catalysis Today, 2002, 74, 145-155.	4.4	110
3251	Direct electrochemistry of horseradish peroxidase at carbon nanotube powder microelectrode. Sensors and Actuators B: Chemical, 2002, 87, 168-172.	7.8	167

#	ARTICLE	IF	CITATIONS
3252	Tandem structure of aligned carbon nanotubes on Au and its solar thermal absorption. <i>Solar Energy Materials and Solar Cells</i> , 2002, 70, 481-486.	6.2	61
3253	Investigation of the electrocatalytic behavior of single-wall carbon nanotube films on an Au electrode. <i>Microchemical Journal</i> , 2002, 73, 325-333.	4.5	75
3254	New developments in the formation of nanotubes from coal. <i>Fuel</i> , 2002, 81, 5-14.	6.4	33
3255	Pt-WO ₃ supported on carbon nanotubes as possible anodes for direct methanol fuel cells. <i>Fuel</i> , 2002, 81, 2177-2190.	6.4	141
3256	The elastic modulus of single-wall carbon nanotubes: a continuum analysis incorporating interatomic potentials. <i>International Journal of Solids and Structures</i> , 2002, 39, 3893-3906.	2.7	370
3257	Carbon nanotube structures: molecular dynamics simulation at realistic limit. <i>Computer Physics Communications</i> , 2002, 146, 30-37.	7.5	46
3258	Electrochemical characteristics for redox systems at nano-honeycomb diamond. <i>Electrochimica Acta</i> , 2002, 47, 4373-4385.	5.2	22
3259	A feasibility study of scaling-up the electrolytic production of carbon nanotubes in molten salts. <i>Electrochimica Acta</i> , 2002, 48, 91-102.	5.2	42
3260	Growth orientation of carbon nanotubes by thermal chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2002, 234, 584-588.	1.5	23
3261	Synthesis, Raman scattering, and infrared spectra of large-scale GaN nanorods. <i>Journal of Crystal Growth</i> , 2002, 235, 124-128.	1.5	25
3262	Transport-kinetical phenomena in nanotube growth. <i>Journal of Crystal Growth</i> , 2002, 237-239, 65-69.	1.5	19
3263	Nucleation behavior of silicon carbide whiskers grown by chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2002, 236, 171-175.	1.5	14
3264	Bi ₂ O ₃ TiO ₂ nanocones prepared from Bi-Ti-O mixture by metalorganic decomposition method. <i>Journal of Crystal Growth</i> , 2002, 240, 489-494.	1.5	17
3265	Temperature effect of carbon nanotube-confined reaction. <i>Journal of Crystal Growth</i> , 2002, 242, 253-257.	1.5	6
3266	Fabrication of an amorphous carbon tube from copper oxide whisker. <i>Journal of Crystal Growth</i> , 2002, 244, 168-172.	1.5	19
3267	Preparation of inorganic salts (CaCO ₃ , BaCO ₃ , CaSO ₄) nanowires in the Triton X-100/cyclohexane/water reverse micelles. <i>Journal of Crystal Growth</i> , 2002, 244, 379-383.	1.5	92
3268	Low-temperature synthesis and characterization of β -La ₂ S ₃ nanorods. <i>Journal of Crystal Growth</i> , 2002, 245, 304-308.	1.5	16
3269	Catalytic synthesized carbon nanostructures from methane using nanocrystalline Ni. <i>Carbon</i> , 2002, 40, 409-415.	10.3	53

#	ARTICLE	IF	CITATIONS
3270	Combustion synthesis of fullerenes and fullerenic nanostructures. Carbon, 2002, 40, 177-182.	10.3	120
3271	Ab initio molecular orbital study of adsorption of atomic hydrogen on graphite:. Carbon, 2002, 40, 437-444.	10.3	190
3272	Optimisation of the arc-discharge production of multi-walled carbon nanotubes. Carbon, 2002, 40, 923-928.	10.3	92
3273	Complete elimination of metal catalysts from single wall carbon nanotubes. Carbon, 2002, 40, 985-988.	10.3	88
3274	Flexible graphite as a compliant thermoelectric material. Carbon, 2002, 40, 1134-1136.	10.3	19
3275	Intensity and profile manifestation of resonant Raman behavior of carbon nanotubes. Carbon, 2002, 40, 1131-1134.	10.3	68
3276	Electrochemical characterization of carbon nanotubes as electrode in electrochemical double-layer capacitors. Carbon, 2002, 40, 1193-1197.	10.3	379
3277	Metal- π -semiconductor heterojunctions in T-shaped carbon nanotubes. Carbon, 2002, 40, 1227-1230.	10.3	30
3278	Synthesis of oriented nanotube films by chemical vapor deposition. Carbon, 2002, 40, 1339-1344.	10.3	70
3279	Synthesis of narrow-diameter carbon nanotubes from acetylene decomposition over an iron- π -nickel catalyst supported on alumina. Carbon, 2002, 40, 1241-1247.	10.3	66
3280	Structure of carbon nanotubes probed by local and global probes. Carbon, 2002, 40, 1635-1648.	10.3	67
3281	Production of carbon nanotubes: the light approach. Carbon, 2002, 40, 1685-1695.	10.3	56
3282	Carbon nanotube films as electron field emitters. Carbon, 2002, 40, 1715-1728.	10.3	294
3283	Formation of filamentous carbon during methane decomposition over Co- π -MgO catalysts. Carbon, 2002, 40, 1911-1917.	10.3	85
3284	Thin film metallic catalyst coatings for the growth of multiwalled carbon nanotubes by pyrolysis of xylene. Carbon, 2002, 40, 1903-1909.	10.3	32
3285	Carbon nanotubes as support for cathode catalyst of a direct methanol fuel cell. Carbon, 2002, 40, 791-794.	10.3	402
3286	Carbon nanotubes acting like actuators. Carbon, 2002, 40, 1735-1739.	10.3	70
3287	Review of the doping of carbon nanotubes (multiwalled and single-walled). Carbon, 2002, 40, 1751-1764.	10.3	271

#	ARTICLE	IF	CITATIONS
3288	Carbon nanotubes for optical limiting. Carbon, 2002, 40, 1789-1797.	10.3	194
3289	Electron irradiation of multi-walled carbon nanotubes with encapsulated Ni particles. Carbon, 2002, 40, 797-799.	10.3	15
3290	Scrolls and nested tubes in multiwall carbon nanotubes. Carbon, 2002, 40, 1123-1130.	10.3	84
3291	Synthesis of vertically aligned carbon nanotubes on metal deposited quartz plates. Carbon, 2002, 40, 1981-1989.	10.3	98
3292	In situ electron microscope study on the formation and morphological evolution of carbon aggregates. Carbon, 2002, 40, 2117-2124.	10.3	5
3293	Unpaired π -spin density in defected graphite. Carbon, 2002, 40, 2063-2083.	10.3	41
3294	Conical crystals of graphite. Carbon, 2002, 40, 2263-2267.	10.3	85
3295	Conversion of carbon nanotubes to carbon nanofibers by sonication. Carbon, 2002, 40, 1373-1376.	10.3	97
3296	Filling single-wall carbon nanotubes. Carbon, 2002, 40, 1809-1823.	10.3	439
3297	Possible tactics to improve the growth of single-walled carbon nanotubes by chemical vapor deposition. Carbon, 2002, 40, 2693-2698.	10.3	70
3298	Electron beam-induced structure transformation of single-walled carbon nanotubes. Carbon, 2002, 40, 2282-2284.	10.3	17
3299	Benzene-thermal route to carbon nanotubes at a moderate temperature. Carbon, 2002, 40, 2961-2963.	10.3	89
3300	Preparation of activated carbon nanotubes. Carbon, 2002, 40, 2743-2745.	10.3	35
3301	Diameter control of single-walled carbon nanotubes by plasma rotating electrode process. Carbon, 2002, 40, 2905-2911.	10.3	13
3302	Synthesis of carbon nanotubes using supported catalysts modified by lanthanum species. Carbon, 2002, 40, 2497-2502.	10.3	11
3303	Fabrication of single-walled carbon nanotubes from multi-walled carbon nanotubes and carbon fibers. Carbon, 2002, 40, 2970-2973.	10.3	11
3304	Self-organized arrays of carbon nanotube ropes. Chemical Physics Letters, 2002, 351, 183-188.	2.6	28
3305	Formation of carbon nanotubes in counter-flow, oxy-methane diffusion flames without catalysts. Chemical Physics Letters, 2002, 354, 20-24.	2.6	79

#	ARTICLE	IF	CITATIONS
3306	Carbon nanotubes and nanowires grown from spherical carbon nano-particles. Chemical Physics Letters, 2002, 355, 395-399.	2.6	34
3307	Single-wall carbon nanotubes synthesis by means of UV laser vaporization. Chemical Physics Letters, 2002, 354, 88-92.	2.6	64
3308	High density of multiwalled carbon nanotubes observed on nickel electroplated copper substrates by microwave plasma chemical vapor deposition. Chemical Physics Letters, 2002, 354, 331-336.	2.6	28
3309	Effect of the in situ Cs treatment on field emission of a multi-walled carbon nanotube. Chemical Physics Letters, 2002, 355, 53-58.	2.6	32
3310	Preparation of monodispersed multi-walled carbon nanotubes in chemical vapor deposition. Chemical Physics Letters, 2002, 356, 563-566.	2.6	15
3311	Uniform carbon nanoflake films and their field emissions. Chemical Physics Letters, 2002, 358, 187-191.	2.6	142
3312	Metal-free production of high-quality multi-wall carbon nanotubes, in which the innermost nanotubes have a diameter of 0.4 nm. Chemical Physics Letters, 2002, 356, 595-600.	2.6	55
3313	Lead adsorption on carbon nanotubes. Chemical Physics Letters, 2002, 357, 263-266.	2.6	649
3314	Hydrogen storage in single-walled carbon nanotube bundles and peapods. Chemical Physics Letters, 2002, 358, 213-218.	2.6	97
3315	Semiconducting Bâ€¢Câ€¢N nanotubes with few layers. Chemical Physics Letters, 2002, 359, 220-228.	2.6	68
3316	Formation energetics of n-member rings at the end of small zigzag carbon nanotubes. Chemical Physics Letters, 2002, 358, 103-109.	2.6	2
3317	Complex WS ₂ nanostructures. Chemical Physics Letters, 2002, 359, 68-76.	2.6	21
3318	Large-scale production of aligned carbon nanotubes by the vapor phase growth method. Chemical Physics Letters, 2002, 359, 109-114.	2.6	89
3319	Synthesis of bamboo-shaped carbonâ€¢nitrogen nanotubes using C ₂ H ₂ â€¢NH ₃ â€¢Fe(CO) ₅ system. Chemical Physics Letters, 2002, 359, 115-120.	2.6	111
3320	Tungsten disulphide coated multi-walled carbon nanotubes. Chemical Physics Letters, 2002, 359, 121-126.	2.6	20
3321	Temperature dependence of morphology and diameter of silicon nanowires synthesized by laser ablation. Chemical Physics Letters, 2002, 358, 396-400.	2.6	16
3322	Morphology, diameter distribution and Raman scattering measurements of double-walled carbon nanotubes synthesized by catalytic decomposition of methane. Chemical Physics Letters, 2002, 359, 196-202.	2.6	139
3323	Solubilized multi-walled carbon nanotubes with broadband optical limiting effect. Chemical Physics Letters, 2002, 359, 191-195.	2.6	75

#	ARTICLE	IF	CITATIONS
3324	One-dimensional growth mechanism of amorphous boron nanowires. Chemical Physics Letters, 2002, 359, 273-277.	2.6	27
3325	Synthesis of SiC nanorods from sheets of single-walled carbon nanotubes. Chemical Physics Letters, 2002, 359, 397-402.	2.6	36
3326	A template-free method for hollow Ag ₂ S semiconductor with a novel quasi-network microstructure. Chemical Physics Letters, 2002, 360, 355-358.	2.6	21
3327	Catalyst effect on carbon nanotubes synthesized by thermal chemical vapor deposition. Chemical Physics Letters, 2002, 360, 250-255.	2.6	215
3328	Synthesis of alumina nanotubes using carbon nanotubes as templates. Chemical Physics Letters, 2002, 360, 579-584.	2.6	49
3329	Large scale production of short functionalized carbon nanotubes. Chemical Physics Letters, 2002, 360, 429-435.	2.6	176
3330	Nanotube-polymer adhesion: a mechanics approach. Chemical Physics Letters, 2002, 361, 57-61.	2.6	201
3331	Carbon nanotubes produced by tungsten-based catalyst using vapor phase deposition method. Chemical Physics Letters, 2002, 361, 469-472.	2.6	22
3332	Synthesis of NiO nanorods by a novel simple precursor thermal decomposition approach. Chemical Physics Letters, 2002, 362, 119-122.	2.6	197
3333	Generation of giant carbon hollow spheres from C ₆₀ fullerene by shock-compression. Chemical Physics Letters, 2002, 362, 47-50.	2.6	48
3334	A facile vapor-solid synthetic route to Sb ₂ O ₃ fibrils and tubules. Chemical Physics Letters, 2002, 363, 34-38.	2.6	54
3335	Rapid growth of well-aligned carbon nanotube arrays. Chemical Physics Letters, 2002, 362, 285-290.	2.6	177
3336	Dispersing and coating of transition metals Co, Fe and Ni on carbon materials. Chemical Physics Letters, 2002, 362, 135-143.	2.6	30
3338	Manipulation of single-wall carbon nanotubes into aligned molecular layers. Chemical Physics Letters, 2002, 362, 314-318.	2.6	53
3339	Intensive green light emission from MgO nanobelts. Chemical Physics Letters, 2002, 363, 293-297.	2.6	92
3340	Synthesis of copper oxide nanoparticles using carbon nanotubes as templates. Chemical Physics Letters, 2002, 364, 152-156.	2.6	79
3341	Sequential catalytic growth of carbon nanotubes. Chemical Physics Letters, 2002, 364, 27-33.	2.6	50
3342	The photoconductivity of PVK-carbon nanotube blends. Chemical Physics Letters, 2002, 364, 196-199.	2.6	54

#	ARTICLE	IF	CITATIONS
3343	Silicon nanotubes: Why not?. Chemical Physics Letters, 2002, 364, 251-258.	2.6	148
3344	Synthesis of SWNTs and MWNTs by a molten salt (NaCl) method. Chemical Physics Letters, 2002, 365, 184-188.	2.6	54
3345	Arc-grown Y-branched carbon nanotubes observed by scanning tunneling microscopy (STM). Chemical Physics Letters, 2002, 365, 338-342.	2.6	26
3346	Hydrothermal synthesis and photoluminescence of TiO ₂ nanowires. Chemical Physics Letters, 2002, 365, 300-304.	2.6	299
3347	Synthesis and structure of gallium nitride nanobelts. Chemical Physics Letters, 2002, 365, 525-529.	2.6	56
3348	Production and characterization of beaded nanofibers from current heating of charcoal. Chemical Physics Letters, 2002, 366, 51-55.	2.6	34
3349	Growth of long CdS nanowires using a carboxylic acid-functionalized self-assembled monolayer as substrate. Chemical Physics Letters, 2002, 366, 165-169.	2.6	20
3350	Near-edge X-ray absorption fine structure study of helicity and defects in carbon nanotubes. Chemical Physics Letters, 2002, 366, 636-641.	2.6	59
3351	Bamboo-shaped carbon tubes from coal. Chemical Physics Letters, 2002, 366, 544-550.	2.6	36
3352	Bulk production of multi-wall carbon nanotube bundles on sol-gel prepared catalyst. Chemical Physics Letters, 2002, 366, 555-560.	2.6	43
3353	Formation of carbon nanotubes in water by the electric-arc technique. Chemical Physics Letters, 2002, 366, 664-669.	2.6	100
3354	Thermal properties of ultra-thin copper nanobridges. Nanotechnology, 2002, 13, 503-509.	2.6	20
3355	Chirality effects in carbon nanotubes. Physical Review B, 2002, 66, .	3.2	95
3356	Characterization of carbon nanotubes using Raman excitation profiles. Physical Review B, 2002, 65, .	3.2	29
3357	Phonons and electron-phonon scattering in carbon nanotubes. Physical Review B, 2002, 65, .	3.2	672
3358	Detailed analysis of the mean diameter and diameter distribution of single-wall carbon nanotubes from their optical response. Physical Review B, 2002, 66, .	3.2	167
3359	Electronic Structures and Energetics of [5,5] and [9,0] Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2002, 124, 8485-8489.	13.7	95
3360	Effects of hydrogen adsorption on single-wall carbon nanotubes: Metallic hydrogen decoration. Physical Review B, 2002, 66, .	3.2	104

#	ARTICLE	IF	CITATIONS
3361	Hydrogen interaction with carbon nanotubes: a review of ab initio studies. Journal of Physics Condensed Matter, 2002, 14, R453-R465.	1.8	88
3362	Artificial Lamellar Mesostuctures to WS ₂ Nanotubes. Journal of the American Chemical Society, 2002, 124, 1411-1416.	13.7	329
3363	Large scale synthesis of carbon nanofibers by catalytic decomposition of ethane on nickel nanoclusters decorating carbon nanotubes. Physical Chemistry Chemical Physics, 2002, 4, 514-521.	2.8	106
3364	Breathinglike phonon modes of multiwalled carbon nanotubes. Physical Review B, 2002, 65, .	3.2	105
3365	A Quantum Monte Carlo Study of 4He in Carbon Nanotube Bundles. Journal of Low Temperature Physics, 2002, 126, 199-204.	1.4	21
3366	The Synthesis of Sulfated Titanium Oxide Nanotubes. Catalysis Letters, 2002, 80, 153-159.	2.6	62
3367	Title is missing!. Journal of Materials Science Letters, 2002, 21, 543-545.	0.5	4
3368	Helical Structures: The Geometry of Protein Helices and Nanotubes. Structural Chemistry, 2002, 13, 305-314.	2.0	16
3369	Structure, Chirality, and Formation of Giant Icosahedral Fullerenes and Spherical Graphitic Onions. Structural Chemistry, 2002, 13, 373-384.	2.0	53
3370	Observation of new nanostructures by catalytic decomposition of hydrocarbons. Journal of Materials Science Letters, 2002, 21, 1307-1309.	0.5	0
3371	Synthesis of carbon nanotubes from ethanol flame. Journal of Materials Science Letters, 2002, 21, 1207-1209.	0.5	27
3372	Growth of unique carbon nanostructures on ceramic substrates. Journal of Materials Science Letters, 2002, 21, 1081-1084.	0.5	2
3373	Title is missing!. Journal of Nanoparticle Research, 2002, 4, 145-155.	1.9	32
3374	In situ growing and etching of carbon nanotubes on silicon under microwave plasma. Journal of Materials Science Letters, 2002, 21, 1709-1711.	0.5	9
3375	Mössbauer Spectroscopy Involved in the Study of the Catalytic Growth of Carbon Nanotubes. Hyperfine Interactions, 2002, 139/140, 289-296.	0.5	10
3376	Influence of Gadolinium on Carbon Arc Plasma and Formation of Fullerenes and Nanotubes. Plasma Chemistry and Plasma Processing, 2002, 22, 523-536.	2.4	10
3377	A New Method for the Production of Carbon Nanotubes. Theoretical and Experimental Chemistry, 2002, 38, 357-362.	0.8	2
3378	Properties of Carbon Materials and Their Use in Chromatography. Russian Journal of Applied Chemistry, 2002, 75, 1725-1731.	0.5	11

#	ARTICLE	IF	CITATIONS
3379	PVA-Assisted Synthesis and Characterization of CdSe and CdTe Nanowires. Journal of Physical Chemistry B, 2002, 106, 9227-9230.	2.6	165
3380	Functionalization of carbon nanotubes by potassium permanganate assisted with phase transfer catalyst. Smart Materials and Structures, 2002, 11, 962-965.	3.5	134
3381	Organic modification of carbon nanotubes. Science Bulletin, 2002, 47, 441.	1.7	8
3382	Preparation of alumina supported on carbon nanotubes and its application in fluoride adsorption from an aqueous solution. Science Bulletin, 2002, 47, 722.	1.7	7
3383	Symmetry, phonons and rigid-layers modes in commensurate double wall carbon nanotubes. European Physical Journal B, 2003, 34, 409-413.	1.5	6
3384	Curved nanostructured materials. New Journal of Physics, 2003, 5, 126-126.	2.9	170
3385	Reactor length-scale modeling of chemical vapor deposition of carbon nanotubes. Journal of Materials Science, 2003, 38, 1819-1830.	3.7	18
3386	Extraction Equilibria in the Fullerene C60-Fullerene C70-Solvent Systems. Russian Journal of Applied Chemistry, 2003, 76, 37-43.	0.5	1
3387	Cyclodextrin-Containing Nanotubes as a Base for Designing Materials with a New Architecture. Doklady Chemistry, 2003, 390, 115-118.	0.9	8
3388	Low-Temperature Growth of Carbon Nanotubes. Inorganic Materials, 2003, 39, 583-587.	0.8	9
3389	Title is missing!. Journal of Materials Science, 2003, 38, 3051-3054.	3.7	9
3390	Fabrication and thermal property of carbon nanotube/SiO2 composites. Journal of Materials Science Letters, 2003, 22, 1019-1021.	0.5	25
3391	Mechanistic Aspects of Carbon Nanotube Nucleation and Growth. Journal of Cluster Science, 2003, 14, 135-185.	3.3	89
3392	Title is missing!. Journal of Materials Science Letters, 2003, 22, 1107-1109.	0.5	6
3393	Purification of carbon nanotubes using anodic oxidation in a solid polymer electrolyte (SPE) cell. Journal of Applied Electrochemistry, 2003, 33, 755-758.	2.9	3
3394	Title is missing!. Journal of Materials Science Letters, 2003, 22, 1223-1224.	0.5	11
3395	Nondissipative Orbital Currents in Finite Quantum Systems: A Comparative Study. International Journal of Theoretical Physics, 2003, 42, 1107-1118.	1.2	1
3396	Geometry and Topology Induced Electronic Properties of Graphene Derived Quantum Systems. International Journal of Theoretical Physics, 2003, 42, 1119-1132.	1.2	3

#	ARTICLE	IF	CITATIONS
3397	Title is missing!. Journal of Nanoparticle Research, 2003, 5, 395-400.	1.9	13
3398	Fullerene-Containing Chalcogenide Glassy Materials. Russian Journal of Applied Chemistry, 2003, 76, 689-699.	0.5	2
3399	Synthesis and characterization of aligned Fe-filled carbon nanotubes on silicon substrates. Journal of Materials Science: Materials in Electronics, 2003, 14, 789-791.	2.2	22
3400	Mechanism of Coking on Metal Catalyst Surfaces: I. Thermodynamic Analysis of Nucleation. Kinetics and Catalysis, 2003, 44, 726-734.	1.0	33
3401	Field-emission characteristics of carbon nanotubes and their applications in photonic devices. Journal of Materials Science: Materials in Electronics, 2003, 14, 653-656.	2.2	19
3402	Nanomaterials: on the Mechanics of Nanomaterials. International Applied Mechanics, 2003, 39, 1271-1293.	0.6	68
3403	Density Functional Tight-Binding Studies of Carbon Nanotube Structures. Structural Chemistry, 2003, 14, 431-443.	2.0	44
3404	Quantum Chemical Investigation of Monostanna[n]cyclacenes. Structural Chemistry, 2003, 14, 575-580.	2.0	15
3405	Piezoresistive effect in carbon nanotube films. Science Bulletin, 2003, 48, 125.	1.7	24
3406	Electrochemical hydrogen storage of aligned multiwalled carbon nanotubes. Science Bulletin, 2003, 48, 538.	1.7	8
3407	DC Josephson current through a toroidal carbon nanotube coupled to superconducting leads. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 317, 329-335.	2.1	7
3408	Double π - and σ -hydrogen bonding in formic acid complexes with pyrrole and imidazole: an ab initio and density functional theory study. Mendelevov Communications, 2003, 13, 207-209.	1.6	0
3409	Vanadium Oxide: From Gels to Nanotubes. Journal of Sol-Gel Science and Technology, 2003, 26, 593-596.	2.4	52
3410	Title is missing!. Doklady Physical Chemistry, 2003, 388, 13-17.	0.9	6
3411	TiO ₂ tubes synthesized by using ammonium sulfate and carbon nanotubes as templates. Journal of Materials Science Letters, 2003, 22, 339-341.	0.5	23
3412	Families of carbon nanotubes: Graphyne-based nanotubes. Physical Review B, 2003, 68, .	3.2	185
3413	Accurate density functional calculations for the phonon dispersion relations of graphite layer and carbon nanotubes. Physical Review B, 2003, 67, .	3.2	310
3414	Fullerenes and Carbon Nanotubes. , 2003, , 315-335.		1

#	ARTICLE	IF	CITATIONS
3415	Generalized Chemical Reactivity of Curved Surfaces:â€‰ Carbon Nanotubes. Nano Letters, 2003, 3, 1273-1277.	9.1	190
3416	Formation Mechanism of H ₂ Ti ₃ O ₇ Nanotubes. Physical Review Letters, 2003, 91, 256103.	7.8	331
3417	Mechanics of Nanotubes. , 2003, , 551-579.		8
3418	Continuum Mechanics Simulation of Post-buckling of Single-Walled Nanotubes. International Journal of Nonlinear Sciences and Numerical Simulation, 2003, 4, .	1.0	6
3419	Nanowires and Nanotubes of Complex Oxides. , 2003, , 173-190.		8
3420	Dispersion of Carbon Nanotubes in Liquids. Journal of Dispersion Science and Technology, 2003, 24, 1-41.	2.4	536
3421	Systematic Synthesis and Characterization of Single-Crystal Lanthanide Orthophosphate Nanowires. Journal of the American Chemical Society, 2003, 125, 16025-16034.	13.7	443
3422	Selected-Control Synthesis of ZnO Nanowires and Nanorods via a PEG-Assisted Route. Inorganic Chemistry, 2003, 42, 8105-8109.	4.0	316
3423	Chemically Active Substitutional Nitrogen Impurity in Carbon Nanotubes. Physical Review Letters, 2003, 91, 105502.	7.8	221
3424	NO ₂ and CO gas adsorption on carbon nanotubes: Experiment and theory. Journal of Chemical Physics, 2003, 119, 10904-10910.	3.0	221
3425	Carbon Nanopipettes. Nano Letters, 2003, 3, 671-673.	9.1	77
3426	High-resolution ultrahigh-vacuum electron microscopy of helical gold nanowires: junction and thinning process. Journal of Electron Microscopy, 2003, 52, 49-55.	0.9	27
3427	The role of metal nanoparticles in the catalytic production of single-walled carbon nanotubesâ€™a review. Journal of Physics Condensed Matter, 2003, 15, S3011-S3035.	1.8	416
3428	High-yield production of quasi-aligned carbon nanotubes by catalytic decomposition of benzene. Nanotechnology, 2003, 14, 733-737.	2.6	32
3429	Hydrodynamic Origin of Diffusion in Nanopores. Physical Review Letters, 2003, 90, 016105.	7.8	74
3430	Optical properties of the ZnO nanotubes synthesized via vapor phase growth. Applied Physics Letters, 2003, 83, 1689-1691.	3.3	616
3431	First-Principles Calculations of Carbon Nanotubes Adsorbed on Si(001). Physical Review Letters, 2003, 91, 166802.	7.8	54
3432	First-principles study of Laâ€‰B ₃ N ₃ cage. Physica B: Condensed Matter, 2003, 339, 105-109.	2.7	17

#	ARTICLE	IF	CITATIONS
3433	Vertically aligned peapod formation of position-controlled multi-walled carbon nanotubes (MWNTs). Superlattices and Microstructures, 2003, 34, 389-394.	3.1	4
3434	STM investigation of carbon nanotubes connected by functional groups. Materials Science and Engineering C, 2003, 23, 1007-1011.	7.3	31
3435	One-step route to iron oxide-filled carbon nanotubes and bucky-onions based on the pyrolysis of organometallic precursors. Chemical Physics Letters, 2003, 381, 541-548.	2.6	107
3436	Zinc oxide nanorods and their photoluminescence property. Journal Wuhan University of Technology, Materials Science Edition, 2003, 18, 20-22.	1.0	0
3437	Synthesis and evaluation on performance of hydrogen storage of multi-walled carbon nanotubes decorated with platinum. Journal Wuhan University of Technology, Materials Science Edition, 2003, 18, 33-35.	1.0	5
3438	Nonlinear refractive index and absorption coefficient of single-shell semiconductor carbon nanotube. Wuhan University Journal of Natural Sciences, 2003, 8, 833-836.	0.4	1
3439	Electronic properties of magnetically doped nanotubes. Bulletin of Materials Science, 2003, 26, 105-107.	1.7	4
3440	Highly ordered carbon nanotube arrays with open ends grown in anodic alumina nanoholes. Journal Wuhan University of Technology, Materials Science Edition, 2003, 18, 7-8.	1.0	4
3441	Adsorption of methane and ethane into single-walled carbon nanotubes and slit-shaped carbonaceous pores. Korean Journal of Chemical Engineering, 2003, 20, 104-109.	2.7	19
3442	Synthesis and catalytic application of Ni-supported carbon nanotubes for n-heptane cracking. Korean Journal of Chemical Engineering, 2003, 20, 649-652.	2.7	2
3443	Carbon nanotube synthesis using magnetic fluids on various substrates. Metals and Materials International, 2003, 9, 427-431.	3.4	6
3444	Molecular dynamics simulation of zigzag single-walled carbon nanotube closing mechanisms. Metals and Materials International, 2003, 9, 99-105.	3.4	4
3445	Surface characteristics of modified carbon nanotubes and its application in lead adsorption from aqueous solution. Science Bulletin, 2003, 48, 441-443.	1.7	8
3446	Packaging of nanostructured microelectromechanical systems microtriode devices. Journal of Electronic Materials, 2003, 32, 1360-1365.	2.2	4
3447	Structure and stability of boron nitride cages. Science Bulletin, 2003, 48, 1102-1107.	1.7	5
3448	Carbon nanotube-enhanced electrochemical DNA biosensor for DNA hybridization detection. Analytical and Bioanalytical Chemistry, 2003, 375, 287-293.	3.7	385
3449	Simultaneous electrochemical determination of xanthine and uric acid at a nanoparticle film electrode. Analytical and Bioanalytical Chemistry, 2003, 375, 544-549.	3.7	66
3450	Simultaneous determination of 2-nitrophenol and 4-nitrophenol based on the multi-wall carbon nanotubes Nafion-modified electrode. Analytical and Bioanalytical Chemistry, 2003, 375, 703-707.	3.7	99

#	ARTICLE	IF	CITATIONS
3451	Direct electrochemistry of DNA, guanine and adenine at a nanostructured film-modified electrode. Analytical and Bioanalytical Chemistry, 2003, 376, 205-209.	3.7	124
3452	Anodic stripping voltammetric determination of mercury using multi-walled carbon nanotubes film coated glassy carbon electrode. Analytical and Bioanalytical Chemistry, 2003, 377, 770-774.	3.7	59
3453	Synthesis of highly aligned silicon oxide nanowires and their novel patterns. Applied Physics A: Materials Science and Processing, 2003, 77, 743-745.	2.3	8
3454	Aligned SnS 2 nanotubes fabricated via a template-assisted solvent-relief process. Applied Physics A: Materials Science and Processing, 2003, 77, 747-749.	2.3	28
3455	Decoration of multi-walled carbon nanotubes with noble- and transition-metal clusters and formation of CNT/CNT networks. Applied Physics A: Materials Science and Processing, 2003, 77, 735-738.	2.3	39
3456	How safe are nanotubes and other nanofilaments?. Materials Research Innovations, 2003, 7, 192-194.	2.3	43
3457	Nanoparticles of CdI ₂ with closed cage structures obtained via electron-beam irradiation. Solid State Sciences, 2003, 5, 905-908.	3.2	17
3458	Synthesis and characterization of MWNTs with narrow diameter over nickel catalyst by MPCVD. Scripta Materialia, 2003, 48, 409-412.	5.2	27
3459	Mechanochemical formation of novel catalyst for preparing carbon nanotubes: nanocrystalline yttrium aluminum iron perovskite. Scripta Materialia, 2003, 48, 1185-1188.	5.2	14
3460	Dispersion and film properties of carbon nanofiber pigmented conductive coatings. Progress in Organic Coatings, 2003, 47, 198-206.	3.9	30
3461	A novel method for preparing Co ₃ O ₄ nanofibers by using electrospun PVA/cobalt acetate composite fibers as precursor. Materials Chemistry and Physics, 2003, 82, 1002-1006.	4.0	166
3462	Catalytic growth of ZnO nanotubes. Materials Chemistry and Physics, 2003, 82, 997-1001.	4.0	142
3463	Morphology of silica derived from various ammonium carboxylate templates. Materials Research Bulletin, 2003, 38, 1669-1680.	5.2	17
3464	New catalytic phenomena on nanostructured (fibers and tubes) catalysts. Journal of Catalysis, 2003, 216, 333-342.	6.2	115
3465	Ni/SiO ₂ catalyst effective for methane decomposition into hydrogen and carbon nanofiber. Journal of Catalysis, 2003, 217, 79-79.	6.2	251
3466	Methane decomposition into hydrogen and carbon nanofibers over supported Pd-Ni catalysts. Journal of Catalysis, 2003, 220, 468-477.	6.2	170
3467	Channeling of high energy beams in nanotubes. Nuclear Instruments & Methods in Physics Research B, 2003, 202, 236-241.	1.4	56
3468	Fast ion passing through straight and bent nanotubes. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 767-772.	1.4	31

#	ARTICLE	IF	CITATIONS
3469	Nodose carbon nanotubes and its field emission characteristics. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 198-201.	1.4	1
3470	Structure and superconductivity of MgB ₂ -carbon nanotube composites. Materials Chemistry and Physics, 2003, 78, 785-790.	4.0	19
3471	Gases adsorption on single-walled carbon nanotubes measured by piezoelectric quartz crystal microbalance. Materials Chemistry and Physics, 2003, 81, 126-133.	4.0	38
3472	Photovoltaic properties of polythiophene nano-tubule films. Materials Chemistry and Physics, 2003, 82, 44-48.	4.0	22
3473	Growth of carbon nanotubes with metal-loading mesoporous molecular sieves catalysts. Materials Chemistry and Physics, 2003, 82, 440-443.	4.0	20
3474	Characterization of multiwalled carbon nanotubes prepared by carbon arc cathode deposit. Materials Chemistry and Physics, 2003, 82, 638-647.	4.0	75
3475	Alignment and nano-connections of isolated carbon nanotubes. Microelectronic Engineering, 2003, 67-68, 683-689.	2.4	6
3476	Contact resistance of multiwall carbon nanotubes. Microelectronic Engineering, 2003, 67-68, 853-857.	2.4	46
3477	Nano-sized double helices and braids: interesting carbon nanostructures. Materials Research Bulletin, 2003, 38, 261-267.	5.2	24
3478	Adsorption of fluoride from water by aligned carbon nanotubes. Materials Research Bulletin, 2003, 38, 469-476.	5.2	312
3479	Preparation of hollow shells of zinc oxide/bismuth(III) vanadate. Materials Research Bulletin, 2003, 38, 1013-1020.	5.2	6
3480	Carbon nanostructure formation by a reduction of PTFE. Thin Solid Films, 2003, 438-439, 313-316.	1.8	7
3481	Electric measurements of nano-scaled devices. Thin Solid Films, 2003, 438-439, 462-466.	1.8	8
3482	Nanotubes À la Carte: Wetting of Porous Templates. ChemPhysChem, 2003, 4, 1171-1176.	2.1	105
3483	Aligned Nanotubes. ChemPhysChem, 2003, 4, 1150-1169.	2.1	180
3484	Molecular dynamics in the formation process of single-walled carbon nanotubes. Heat Transfer - Asian Research, 2003, 32, 690-699.	2.8	6
3485	A Room-Temperature Route to Bismuth Nanotube Arrays. European Journal of Inorganic Chemistry, 2003, 2003, 3699-3702.	2.0	47
3486	Indicator Free DNA Hybridization Detection by Impedance Measurement Based on the DNA-Doped Conducting Polymer Film Formed on the Carbon Nanotube Modified Electrode. Electroanalysis, 2003, 15, 1864-1870.	2.9	133

#	ARTICLE	IF	CITATIONS
3487	An Amperometric Biosensor Based on the Coimmobilization of Horseradish Peroxidase and Methylene Blue on a Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2003, 15, 219-224.	2.9	205
3488	Electrocatalytic Properties and Sensor Applications of Fullerenes and Carbon Nanotubes. <i>Electroanalysis</i> , 2003, 15, 753-772.	2.9	357
3489	In Vivo Monitoring of the Thiols in Rat Striatum by Liquid Chromatography with Amperometric Detection at a Functionalized Multi-Wall Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2003, 15, 892-897.	2.9	23
3490	Biosensors Based on Aligned Carbon Nanotubes Coated with Inherently Conducting Polymers. <i>Electroanalysis</i> , 2003, 15, 1089-1094.	2.9	278
3491	Raman spectroscopy on carbon nanotubes at high pressure. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 611-627.	2.5	77
3492	Femtosecond optical harmonic generation as a non-linear spectroscopic probe for carbon nanotubes. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 1018-1024.	2.5	33
3493	DFWM: a proposed method to measure $\chi^{(3)}$ on carbon nanotubes on the nanosecond time-scale. <i>Journal of Raman Spectroscopy</i> , 2003, 34, 1025-1029.	2.5	4
3494	Synthesis and Dispersion Characteristics of Multi-Walled Carbon Nanotube Composites with Poly(methyl methacrylate) Prepared by In-Situ Bulk Polymerization. <i>Macromolecular Rapid Communications</i> , 2003, 24, 1070-1073.	3.9	272
3495	Synthesis of Carbon Nanotubes Using Microwave Radiation. <i>Advanced Functional Materials</i> , 2003, 13, 961-966.	14.9	76
3496	Self-Assembly of Polyaniline From Nanotubes to Hollow Microspheres. <i>Advanced Functional Materials</i> , 2003, 13, 815-820.	14.9	409
3497	Hydrothermal Synthesis of Rare Earth (Tb, Y) Hydroxide and Oxide Nanotubes. <i>Advanced Functional Materials</i> , 2003, 13, 955-960.	14.9	182
3498	Novel Nanostructures of Functional Oxides Synthesized by Thermal Evaporation. <i>Advanced Functional Materials</i> , 2003, 13, 9-24.	14.9	1,102
3499	Dendrite-Assisted Growth of Silicon Nanowires in Electroless Metal Deposition. <i>Advanced Functional Materials</i> , 2003, 13, 127-132.	14.9	356
3500	New Developments in Transmission Electron Microscopy for Nanotechnology. <i>Advanced Materials</i> , 2003, 15, 1497-1514.	21.0	155
3501	Fullerene-like WS ₂ Nanoparticles: Superior Lubricants for Harsh Conditions. <i>Advanced Materials</i> , 2003, 15, 651-655.	21.0	210
3502	Oxide-Assisted Growth of Semiconducting Nanowires. <i>Advanced Materials</i> , 2003, 15, 635-640.	21.0	565
3503	Carbon Nanotube-Based Biosensor. <i>Advanced Materials</i> , 2003, 15, 1184-1187.	21.0	208
3504	Ruthenium Oxide Nanotube Arrays Fabricated by Atomic Layer Deposition Using a Carbon Nanotube Template. <i>Advanced Materials</i> , 2003, 15, 1019-1022.	21.0	106

#	ARTICLE	IF	CITATIONS
3505	High Permittivity from Defective Multiwalled Carbon Nanotubes in the X-Band. Advanced Materials, 2003, 15, 600-603.	21.0	420
3506	Surfactant-Assisted Growth of Novel PbS Dendritic Nanostructures via Facile Hydrothermal Process. Advanced Materials, 2003, 15, 1747-1750.	21.0	361
3507	Single-Crystalline Scroll-Type Nanotube Arrays of Copper Hydroxide Synthesized at Room Temperature. Advanced Materials, 2003, 15, 822-825.	21.0	336
3508	Polymer-Mediated Alignment of Carbon Nanotubes under High Magnetic Fields. Advanced Materials, 2003, 15, 1918-1921.	21.0	163
3509	Electrospinning of Continuous Carbon Nanotube-Filled Nanofiber Yarns. Advanced Materials, 2003, 15, 1161-1165.	21.0	716
3510	Fabrication of Metallized Nanowires from Self-Assembled Diblock Copolymer Templates. Advanced Materials, 2003, 15, 1201-1204.	21.0	62
3511	Self-Assembling Sub-Micrometer-Sized Tube Junctions and Dendrites of Conducting Polymers. Advanced Materials, 2003, 15, 1382-1385.	21.0	212
3512	Novel Silica Nanotubes with a High Aspect Ratio—Synthesis and Structural Characterization. Advanced Materials, 2003, 15, 1538-1541.	21.0	78
3513	Compound Core–Shell Polymer Nanofibers by Co-Electrospinning. Advanced Materials, 2003, 15, 1929-1932.	21.0	1,076
3514	Rare Earth Compound Nanotubes. Advanced Materials, 2003, 15, 1442-1445.	21.0	259
3515	Efficient Field Emission from Highly Aligned, Graphitic Nanotubes Embedded with Gold Nanoparticles. Advanced Materials, 2003, 15, 1618-1622.	21.0	68
3516	Fabrication of Magnetic Carbon Nanotubes Using a Metal-Impregnated Polymer Precursor. Advanced Materials, 2003, 15, 2088-2091.	21.0	140
3517	Unique Single-Crystalline Beta Carbon Nitride Nanorods. Advanced Materials, 2003, 15, 1840-1844.	21.0	142
3518	Morphological Control of Tapered and Multi-Junctioned Carbon Tubular Structures. Advanced Materials, 2003, 15, 1629-1632.	21.0	25
3519	Rectangular Single-Crystal Mullite Microtubes. Advanced Materials, 2003, 15, 1445-1449.	21.0	35
3520	Nanotubes Prepared by Layer-by-Layer Coating of Porous Membrane Templates. Advanced Materials, 2003, 15, 1849-1853.	21.0	194
3521	Simple Solid-Phase Synthesis of Hollow Graphitic Nanoparticles and their Application to Direct Methanol Fuel Cell Electrodes. Advanced Materials, 2003, 15, 1922-1925.	21.0	183
3522	Orthogonal Carbon Nanofibers by Template-Mediated Assembly of Discotic Mesophase Pitch. Advanced Materials, 2003, 15, 164-167.	21.0	80

#	ARTICLE	IF	CITATIONS
3523	Rational Synthesis of Metal Nanotubes and Nanowires from Lamellar Structures. <i>Advanced Materials</i> , 2003, 15, 445-447.	21.0	96
3524	Production of carbon nanotubes in a packed bed and a fluidized bed. <i>AIChE Journal</i> , 2003, 49, 619-625.	3.6	95
3525	All-Hydrocarbon Inclusion Complexes of Carbon Nanorings: Cyclic [6]- and [8]Paraphenyleneacetylenes. <i>Angewandte Chemie</i> , 2003, 115, 1659-1662.	2.0	27
3526	Complexation of a Carbon Nanoring with Fullerenes. <i>Angewandte Chemie</i> , 2003, 115, 1662-1666.	2.0	54
3528	Fullerene-Like Rare-Earth Nanoparticles. <i>Angewandte Chemie</i> , 2003, 115, 3621-3624.	2.0	11
3533	Aligning a Single-Lipid Nanotube with Moderate Stiffness. <i>Angewandte Chemie</i> , 2003, 115, 76-78.	2.0	8
3534	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 78-81.	2.0	36
3535	Organische Template zur Formgebung anorganischer Materialien. <i>Angewandte Chemie</i> , 2003, 115, 1010-1030.	2.0	149
3536	PicorÄhren-Tetraanion: ein neuartiges lithiiertes rÄhrenÄrmiges System. <i>Angewandte Chemie</i> , 2003, 115, 1204-1208.	2.0	10
3537	Synthesis and Characterization of Ion-Exchangeable Titanate Nanotubes. <i>Chemistry - A European Journal</i> , 2003, 9, 2229-2238.	3.3	895
3538	Formation of MoS ₂ Inorganic Fullerenes (IFs) by the Reaction of MoO ₃ Nanobelts and S. <i>Chemistry - A European Journal</i> , 2003, 9, 2726-2731.	3.3	186
3539	Soluble Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2003, 9, 4000-4008.	3.3	558
3540	Growth of Well-Aligned -MnO ₂ Monocrystalline Nanowires through a Coordination-Polymer-Precursor Route. <i>Chemistry - A European Journal</i> , 2003, 9, 1645-1651.	3.3	149
3541	All-Hydrocarbon Inclusion Complexes of Carbon Nanorings: Cyclic [6]- and [8]Paraphenyleneacetylenes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1621-1624.	13.8	76
3542	Complexation of a Carbon Nanoring with Fullerenes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1624-1628.	13.8	157
3543	High-Performance Direct Methanol Fuel Cell Electrodes using Solid-Phase-Synthesized Carbon Nanocoils. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4352-4356.	13.8	286
3544	Fullerene-Like Rare-Earth Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3497-3500.	13.8	134
3545	Columnar Supramolecular Architecture Self-Assembled from S ₄ -Symmetric Coordination Nanotubes Encapsulating Neutral Guest Molecules. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4085-4089.	13.8	96

#	ARTICLE	IF	CITATIONS
3546	Mesoscopic Rings by Controlled Wetting of Particle Imprinted Templates. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4696-4700.	13.8	32
3547	Complexation of Carbon Nanorings with Fullerenes: Supramolecular Dynamics and Structural Tuning for a Fullerene Sensor. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5597-5600.	13.8	117
3548	Nanoparticle Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 5576-5579.	13.8	174
3549	Aligning a Single-Lipid Nanotube with Moderate Stiffness. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 72-74.	13.8	86
3550	Channels and Cavities Lined with Interlocked Components: Metal-Based Polyrotaxanes That Utilize Pyridinium Axles and Crown Ether Wheels as Ligands. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 74-77.	13.8	131
3551	Organic Templates for the Generation of Inorganic Materials. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 980-999.	13.8	856
3552	Picotube Tetraanion: A Novel Lithiated Tubular System. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1172-1176.	13.8	20
3553	Synthesis and characterization of self-doped poly(aniline-co-aminonaphthalene sulfonic acid) nanotubes. <i>Journal of Applied Polymer Science</i> , 2003, 87, 1297-1301.	2.6	46
3554	Analysis of the cure reaction of carbon nanotubes/epoxy resin composites through thermal analysis and Raman spectroscopy. <i>Journal of Applied Polymer Science</i> , 2003, 88, 452-458.	2.6	137
3555	Physical and mechanical behavior of single-walled carbon nanotube/polypropylene/ethylene-propylene-diene rubber nanocomposites. <i>Journal of Applied Polymer Science</i> , 2003, 89, 2657-2663.	2.6	132
3556	Dissolution and aggregation behavior of water-soluble nanographites and their adsorptive characteristics for 2-naphthol in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2003, 268, 58-62.	9.4	3
3557	Carbon nanotubes for microelectronics: status and future prospects. <i>Materials Science and Engineering C</i> , 2003, 23, 663-669.	7.3	80
3558	Physical interactions at carbon nanotube-polymer interface. <i>Polymer</i> , 2003, 44, 7757-7764.	3.8	417
3559	New carbon-rich organometallic architectures based on cyclobutadienecyclopentadienylcobalt and ferrocene modules. <i>Journal of Organometallic Chemistry</i> , 2003, 683, 269-287.	1.8	67
3560	Multi-walled carbon nanotubes packed cartridge for the solid-phase extraction of several phthalate esters from water samples and their determination by high performance liquid chromatography. <i>Analytica Chimica Acta</i> , 2003, 494, 149-156.	5.4	291
3561	Immunization with Peptide-Functionalized Carbon Nanotubes Enhances Virus-Specific Neutralizing Antibody Responses. <i>Chemistry and Biology</i> , 2003, 10, 961-966.	6.0	492
3562	The complex permittivity of multi-walled carbon nanotube/polystyrene composite films in X-band. <i>Chemical Physics Letters</i> , 2003, 378, 609-614.	2.6	154
3563	Nitrogen-doped gallium phosphide nanowires. <i>Chemical Physics Letters</i> , 2003, 378, 420-424.	2.6	26

#	ARTICLE	IF	CITATIONS
3564	Why silicon nanotubes stably exist in armchair structure?. Chemical Physics Letters, 2003, 379, 81-86.	2.6	111
3565	Silver nanoparticles spontaneous organize into nanowires and nanobanners in supercritical water. Chemical Physics Letters, 2003, 379, 261-267.	2.6	48
3566	Optical limiting performance of two soluble multi-walled carbon nanotubes. Chemical Physics Letters, 2003, 380, 201-205.	2.6	59
3567	Template-based melting-recrystallization route to organic nanotubes. Chemical Physics Letters, 2003, 379, 479-483.	2.6	11
3568	Nano-extraction and nano-condensation for C60 incorporation into single-wall carbon nanotubes in liquid phases. Chemical Physics Letters, 2003, 380, 42-46.	2.6	156
3569	Formation and structure of B24N24 clusters. Chemical Physics Letters, 2003, 380, 620-623.	2.6	168
3570	A catalytic chemical vapor deposition synthesis of double-walled carbon nanotubes over metal catalysts supported on a mesoporous material. Chemical Physics Letters, 2003, 380, 496-502.	2.6	84
3571	Modifying the electronic properties of multi-wall carbon nanotubes via charge transfer, by chemical doping with some inorganic fluorides. Chemical Physics Letters, 2003, 381, 306-314.	2.6	12
3572	Electronic properties of giant fullerenes and complex graphitic nanostructures with novel morphologies. Chemical Physics Letters, 2003, 381, 683-690.	2.6	17
3573	Synthesis of large-scaled MoO2 nanowire arrays. Chemical Physics Letters, 2003, 382, 443-446.	2.6	40
3574	Optical limiting effects of multi-walled carbon nanotubes suspension and silica xerogel composite. Chemical Physics Letters, 2003, 382, 313-317.	2.6	57
3575	Growth of diameter-controlled carbon nanotubes using monodisperse nickel nanoparticles obtained with a differential mobility analyzer. Chemical Physics Letters, 2003, 382, 361-366.	2.6	76
3576	Selective synthesis of double-wall carbon nanotubes by CCVD of acetylene using zeolite supports. Chemical Physics Letters, 2003, 382, 679-685.	2.6	113
3577	Surface energy anisotropy of iron surfaces by carbon adsorption. Current Applied Physics, 2003, 3, 457-460.	2.4	26
3578	Formation of metallic NbSe2 nanotubes and nanofibers. Current Applied Physics, 2003, 3, 473-476.	2.4	34
3579	Mechanical properties of carbon nanotubes: theoretical predictions and experimental measurements. Comptes Rendus Physique, 2003, 4, 993-1008.	0.9	574
3581	Multi-walled carbon nanotubes for the immobilization of enzyme in glucose biosensors. Electrochemistry Communications, 2003, 5, 800-803.	4.7	178
3582	Torsional buckling of a double-walled carbon nanotube embedded in an elastic medium. European Journal of Mechanics, A/Solids, 2003, 22, 875-883.	3.7	75

#	ARTICLE	IF	CITATIONS
3583	A novel method for making CuO superfine fibres via an electrospinning technique. Inorganic Chemistry Communication, 2003, 6, 1409-1411.	3.9	85
3584	Inducing synthesis of CdS nanotubes by PTFE template. Inorganic Chemistry Communication, 2003, 6, 1393-1394.	3.9	24
3585	A new route to carbon nanotubes. Carbon, 2003, 41, 179-181.	10.3	148
3586	Preparation of carbon-encapsulated iron carbide nanoparticles by an explosion method. Carbon, 2003, 41, 317-321.	10.3	108
3587	Controllable growth of double wall carbon nanotubes in a floating catalytic system. Carbon, 2003, 41, 337-342.	10.3	62
3588	Sequence growth of carbon fibers and nanotube networks by CVD process. Carbon, 2003, 41, 185-188.	10.3	11
3589	Production of controlled architectures of aligned carbon nanotubes by an injection chemical vapour deposition method. Carbon, 2003, 41, 359-368.	10.3	422
3590	Catalytic formation of carbon nanotubes during detonation of m-dinitrobenzene. Carbon, 2003, 41, 194-198.	10.3	12
3591	Multi-wall carbon nanotubes with uniform chirality: evidence for scroll structures. Carbon, 2003, 41, 423-427.	10.3	68
3592	Preparation and characterization of junction-like multiwall carbon nanotubes. Carbon, 2003, 41, 380-384.	10.3	7
3593	Synthesis of carbon nanotubes over Fe catalyst on aluminium and suggested growth mechanism. Carbon, 2003, 41, 539-547.	10.3	209
3594	Ab initio model study on a water molecule between graphite layers. Carbon, 2003, 41, 699-706.	10.3	32
3595	A novel form of carbon micro-balls from coal. Carbon, 2003, 41, 767-772.	10.3	94
3596	Carbon nanowires with new microstructures. Carbon, 2003, 41, 601-603.	10.3	29
3597	Characterization of multiwall carbon nanotubes and influence of surfactant in the nanocomposite processing. Carbon, 2003, 41, 797-809.	10.3	189
3598	Electronic and vibrational excitations in carbon nanotubes. Carbon, 2003, 41, 985-992.	10.3	13
3599	Carbon nanotubes containing iron and molybdenum particles as a catalyst for methane decomposition. Carbon, 2003, 41, 846-848.	10.3	32
3600	Fabrication of multilayered nanotube probe tips. Carbon, 2003, 41, 833-836.	10.3	15

#	ARTICLE	IF	CITATIONS
3601	Adsorption of cadmium(II) from aqueous solution by surface oxidized carbon nanotubes. Carbon, 2003, 41, 1057-1062.	10.3	748
3602	Development of a dispersion process for carbon nanotubes in ceramic matrix by heterocoagulation. Carbon, 2003, 41, 1063-1068.	10.3	159
3603	Purification process for single-wall carbon nanotubes. Carbon, 2003, 41, 1477-1488.	10.3	139
3604	Equilibrium and dynamics of acetylene sorption in multiwalled carbon nanotubes. Carbon, 2003, 41, 1241-1248.	10.3	26
3605	Structure changes of single-wall carbon nanotubes and single-wall carbon nanohorns caused by heat treatment. Carbon, 2003, 41, 1273-1280.	10.3	125
3606	Nanocarbon production by arc discharge in water. Carbon, 2003, 41, 1617-1623.	10.3	192
3607	A medial-reduction route to hollow carbon spheres. Carbon, 2003, 41, 1682-1685.	10.3	92
3608	Microstructural changes induced in α -stacked cup α -carbon nanofibers by heat treatment. Carbon, 2003, 41, 1941-1947.	10.3	174
3609	Reaction rate coefficient of fullerene (C60) consumption by soot. Carbon, 2003, 41, 1949-1954.	10.3	9
3610	Growth mechanism of carbon nanotubes in methane diffusion flames. Carbon, 2003, 41, 1889-1896.	10.3	76
3611	Carbon nanotube with amorphous carbon wall: $\hat{I}\pm$ -CNT. Carbon, 2003, 41, 2165-2167.	10.3	33
3612	Single-source precursor route to carbon nanotubes at mild temperature. Carbon, 2003, 41, 2101-2104.	10.3	15
3613	Separated synthesis of iron-included carbon nanocapsules and nanotubes by pyrolysis of ferrocene in pure hydrogen. Carbon, 2003, 41, 2159-2162.	10.3	140
3614	Synthesis and characterisation of medium surface area silicon carbide nanotubes. Carbon, 2003, 41, 2131-2139.	10.3	123
3615	Application of carbon nanotube supported nickel/aluminum mixed oxide in the synthesis of carbon nanotubes. Carbon, 2003, 41, 2443-2446.	10.3	14
3616	Observations of novel carbon nanotubes with multiple hollow cores. Carbon, 2003, 41, 2477-2480.	10.3	8
3617	Synthesis of multiwall carbon nanotubes by electric arc discharge in liquid environments. Carbon, 2003, 41, 2393-2401.	10.3	123
3618	Preparation of short carbon nanotubes by mechanical ball milling and their hydrogen adsorption behavior. Carbon, 2003, 41, 2527-2532.	10.3	143

#	ARTICLE	IF	CITATIONS
3619	99.9% purity multi-walled carbon nanotubes by vacuum high-temperature annealing. Carbon, 2003, 41, 2585-2590.	10.3	254
3620	Carbon nanotubes and onions from carbon monoxide using Ni(acac) ₂ and Cu(acac) ₂ as catalyst precursors. Carbon, 2003, 41, 2711-2724.	10.3	118
3621	Synthesis of carbon nanotubes by reduction of carbon dioxide with metallic lithium. Carbon, 2003, 41, 3063-3067.	10.3	96
3622	Producing cleaner double-walled carbon nanotubes in a floating catalyst system. Carbon, 2003, 41, 2607-2611.	10.3	27
3623	Modified carbon nanotubes: an effective way to selective attachment of gold nanoparticles. Carbon, 2003, 41, 2923-2929.	10.3	269
3624	The evaluation of the gross defects of carbon nanotubes in a continuous CVD process. Carbon, 2003, 41, 2613-2617.	10.3	66
3625	Plasma torch production of macroscopic carbon nanotube structures. Carbon, 2003, 41, 2555-2560.	10.3	43
3626	A study of carbon nanotube formation by C ₂ H ₂ decomposition on an iron based catalyst using a pulsed method. Carbon, 2003, 41, 2509-2517.	10.3	22
3627	Image analysis characterization of multi-walled carbon nanotubes. Carbon, 2003, 41, 2561-2572.	10.3	44
3628	Co-Mo catalyzed growth of multi-wall carbon nanotubes from CO decomposition. Carbon, 2003, 41, 2635-2641.	10.3	13
3629	In-situ formation of carbon nanotubes in an alumina-nanotube composite by spray pyrolysis. Carbon, 2003, 41, 2737-2741.	10.3	37
3630	Competitive adsorption of Pb ²⁺ , Cu ²⁺ and Cd ²⁺ ions from aqueous solutions by multiwalled carbon nanotubes. Carbon, 2003, 41, 2787-2792.	10.3	888
3631	Graphitic nano- and micro-fibers, tubes and balloon-like structures grown from sawdust. Carbon, 2003, 41, 2879-2882.	10.3	0
3632	Characterization of carbon nanohorn encapsulated Fe particles. Carbon, 2003, 41, 3068-3072.	10.3	19
3633	Growth of amorphous carbon nanotube from poly(tetrafluoroethylene) and ferrous chloride. Carbon, 2003, 41, 2819-2823.	10.3	58
3634	Impact on the photothermal emission from single wall nanotubes by some alkali halide salts. Carbon, 2003, 41, 2813-2818.	10.3	5
3635	Activated carbon membrane with filamentous carbon for water treatment. Carbon, 2003, 41, 2973-2979.	10.3	25
3636	Agglomerated CNTs synthesized in a fluidized bed reactor: Agglomerate structure and formation mechanism. Carbon, 2003, 41, 2855-2863.	10.3	137

#	ARTICLE	IF	CITATIONS
3637	13C NMR study of 13C-enriched single-wall carbon nanotubes synthesized by catalytic decomposition of methane. Carbon, 2003, 41, 3047-3056.	10.3	47
3638	Helical carbon nanofibers prepared by pyrolysis of acetylene with a catalyst derived from the decomposition of copper tartrate. Carbon, 2003, 41, 3072-3074.	10.3	66
3639	Preparation and characterization of single-crystalline bismuth nanowires by a low-temperature solvothermal process. Chemical Physics Letters, 2003, 367, 141-144.	2.6	82
3640	Array-orderly single crystalline silicon nano-wires. Chemical Physics Letters, 2003, 367, 528-532.	2.6	39
3641	Amorphous feather-like boron nanowires. Chemical Physics Letters, 2003, 367, 495-499.	2.6	23
3642	Energetics of high temperature dimer desorption and reconstruction at the end of small zigzag carbon nanotubes. Chemical Physics Letters, 2003, 368, 20-26.	2.6	4
3643	Covering single walled carbon nanotubes by the poly(VDF-<i>co</i>-TrFE) copolymer. Chemical Physics Letters, 2003, 368, 168-171.	2.6	17
3644	Clean double-walled carbon nanotubes synthesized by CVD. Chemical Physics Letters, 2003, 368, 299-306.	2.6	120
3645	Novel emission degradation behavior of patterned carbon nanotubes by field emission. Chemical Physics Letters, 2003, 368, 439-444.	2.6	40
3646	Large-scale GaN nanobelts and nanowires grown from milled Ga2O3 powders. Chemical Physics Letters, 2003, 368, 416-420.	2.6	70
3647	Bulk-quantity synthesis and self-catalytic VLS growth of SnO2 nanowires by lower-temperature evaporation. Chemical Physics Letters, 2003, 369, 16-20.	2.6	173
3648	Transmission electron microscopy study of single-walled 0.4 nm carbon nanotubes. Chemical Physics Letters, 2003, 369, 541-548.	2.6	20
3649	Interfacial bonding characteristics of nanotube/polymer composites. Chemical Physics Letters, 2003, 370, 399-405.	2.6	189
3650	Surface modified multi-walled carbon nanotubes in CNT/epoxy-composites. Chemical Physics Letters, 2003, 370, 820-824.	2.6	540
3651	Boron nanowires synthesized by laser ablation at high temperature. Chemical Physics Letters, 2003, 370, 825-828.	2.6	68
3652	Theoretical prediction on aluminum nitride nanotubes. Chemical Physics Letters, 2003, 371, 426-432.	2.6	144
3653	Ni-<i>co</i>-Ni3P alloy catalyst for carbon nanostructures. Chemical Physics Letters, 2003, 371, 333-336.	2.6	24
3654	Growth of carbon nanotubes from Co nanoparticles and C2H2 by thermal chemical vapor deposition. Chemical Physics Letters, 2003, 372, 300-305.	2.6	19

#	ARTICLE	IF	CITATIONS
3655	Surface-enhanced Raman of Z-vibration mode in single-walled and multi-walled carbon nanotube. Chemical Physics Letters, 2003, 372, 497-502.	2.6	17
3656	Continuous carbon nanotube production in underwater AC electric arc. Chemical Physics Letters, 2003, 372, 399-402.	2.6	76
3657	Surface modifications of carbon nanotube/polyacrylonitrile composite films by proton beams. Chemical Physics Letters, 2003, 372, 595-602.	2.6	36
3658	Effect of NH ₃ and thickness of catalyst on growth of carbon nanotubes using thermal chemical vapor deposition. Chemical Physics Letters, 2003, 372, 745-749.	2.6	58
3659	Characterisation of carbon nano-onions using Raman spectroscopy. Chemical Physics Letters, 2003, 373, 52-56.	2.6	252
3660	Temperature-dependent growth of carbon nanotubes by pyrolysis of ferrocene and acetylene in the range between 700 and 1000 °C. Chemical Physics Letters, 2003, 372, 853-859.	2.6	122
3661	Towards the production of large-scale aligned carbon nanotubes. Chemical Physics Letters, 2003, 372, 860-865.	2.6	114
3662	Electron field emission from soluble carbon nanotube films treated by hydrogen plasma. Chemical Physics Letters, 2003, 373, 109-114.	2.6	46
3663	Fabrication and photoluminescence characteristics of single crystalline In ₂ O ₃ nanowires. Chemical Physics Letters, 2003, 373, 28-32.	2.6	163
3664	Quantum chemistry study on the open end of single-walled carbon nanotubes. Chemical Physics Letters, 2003, 373, 308-313.	2.6	30
3665	Template-confined growth and structural characterization of amorphous carbon nanotubes. Chemical Physics Letters, 2003, 373, 580-585.	2.6	36
3666	Carbon onions produced by laser irradiation of amorphous silicon carbide. Chemical Physics Letters, 2003, 373, 642-645.	2.6	48
3667	Novel bismuth nanotube arrays synthesized by solvothermal method. Chemical Physics Letters, 2003, 374, 348-352.	2.6	83
3668	Synthesis of carbon nanotubes by pyrolysis of acetylene using alloy hydride materials as catalysts and their hydrogen adsorption studies. Chemical Physics Letters, 2003, 374, 513-520.	2.6	89
3669	Boron nitride nanotubes synthesized in the temperature range 1000–1200 °C. Chemical Physics Letters, 2003, 374, 534-541.	2.6	66
3670	Lithium diffusion in single-walled carbon nanotubes: a theoretical study. Chemical Physics Letters, 2003, 374, 548-555.	2.6	55
3671	Rational growth of highly oriented amorphous silicon nanowire films. Chemical Physics Letters, 2003, 374, 626-630.	2.6	24
3672	Growth of silver nanowires on metal plates by conventional redox displacement. Chemical Physics Letters, 2003, 374, 645-649.	2.6	15

#	ARTICLE	IF	CITATIONS
3673	Selective growth and field emission of vertically well-aligned carbon nanotubes on hole-patterned silicon substrates. Chemical Physics Letters, 2003, 375, 388-392.	2.6	37
3674	Silicon carbide hollow nanospheres, nanowires and coaxial nanowires. Chemical Physics Letters, 2003, 375, 177-184.	2.6	118
3675	Self-catalytic growth of aluminum borate nanowires. Chemical Physics Letters, 2003, 375, 632-635.	2.6	54
3676	Removal of some impurities from carbon nanotubes. Chemical Physics Letters, 2003, 375, 645-648.	2.6	64
3677	Adsorption of 1,2-dichlorobenzene from water to carbon nanotubes. Chemical Physics Letters, 2003, 376, 154-158.	2.6	507
3678	Amorphous silica nanowires grown by the vaporâ€‘solid mechanism. Chemical Physics Letters, 2003, 376, 498-503.	2.6	40
3679	Synthesis and characterization of K ₂ Ti ₆ O ₁₃ nanowires. Chemical Physics Letters, 2003, 376, 726-731.	2.6	71
3680	Growth mode of the SnO ₂ nanobelts synthesized by rapid oxidation. Chemical Physics Letters, 2003, 376, 794-798.	2.6	67
3681	Large-scale synthesis of high-purity well-aligned carbon nanotubes using pyrolysis of iron(II) phthalocyanine and acetylene. Chemical Physics Letters, 2003, 377, 55-59.	2.6	34
3682	Synthesis of multi-walled carbon nanotubes and nano-fibres using the aerosol method with metal-ions as the catalyst precursors. Chemical Physics Letters, 2003, 377, 293-298.	2.6	33
3683	DFWM measurements of third-order susceptibility of single-wall carbon nanotubes grown without catalyst. Chemical Physics Letters, 2003, 378, 117-121.	2.6	31
3684	Direct high-resolution electron microscopy of BN nanotubes with hexagonal zigzag network. Chemical Physics Letters, 2003, 377, 354-358.	2.6	12
3685	Pressure effects on nanotubes formation using the submerged arc in water method. Chemical Physics Letters, 2003, 378, 29-34.	2.6	44
3686	Noncovalent porphyrin-functionalized single-walled carbon nanotubes in solution and the formation of porphyrinâ€‘nanotube nanocomposites. Chemical Physics Letters, 2003, 378, 481-485.	2.6	394
3687	Doing chemistry on low-dimensional silicon surfaces: silicon nanowires as platforms and templates. Coordination Chemistry Reviews, 2003, 246, 229-246.	18.8	16
3688	A major milestone in nanoscale material science: the 2002 Benjamin Franklin Medal in Physics presented to Sumio Iijima. Journal of the Franklin Institute, 2003, 340, 221-242.	3.4	8
3689	Structural and electronic properties of â€‘benzorodsâ€™™. Computational and Theoretical Chemistry, 2003, 639, 157-166.	1.5	10
3690	Opening of carbon nanotubes by addition of oxygen. Inorganica Chimica Acta, 2003, 343, 1-17.	2.4	11

#	ARTICLE	IF	CITATIONS
3691	A structural mechanics approach for the analysis of carbon nanotubes. International Journal of Solids and Structures, 2003, 40, 2487-2499.	2.7	1,210
3692	Evaluation of multi-walled carbon nanotubes as gas chromatographic column packing. Journal of Chromatography A, 2003, 1003, 203-209.	3.7	89
3693	Production of aqueous colloidal dispersions of carbon nanotubes. Journal of Colloid and Interface Science, 2003, 260, 89-94.	9.4	761
3694	A rapid ethylenediamine-assisted polyol route to synthesize Sb ₂ E ₃ (E=S, Se) nanowires. Journal of Crystal Growth, 2003, 252, 350-354.	1.5	26
3695	Polyol-mediated synthesis of porous nanocrystalline CuInS ₂ foam. Journal of Crystal Growth, 2003, 254, 75-79.	1.5	36
3696	Growth characteristics of silicon nanowires synthesized by vapor-liquid-solid growth in nanoporous alumina templates. Journal of Crystal Growth, 2003, 254, 14-22.	1.5	167
3697	Zinc sulfide nanocrystals on carbon nanotubes. Journal of Crystal Growth, 2003, 255, 114-118.	1.5	39
3698	Hydrothermal synthesis and characterization of hexagonal and monoclinic CePO ₄ single-crystal nanowires. Journal of Crystal Growth, 2003, 256, 156-161.	1.5	87
3699	Growth of TiO ₂ nanorods by metalorganic chemical vapor deposition. Journal of Crystal Growth, 2003, 256, 83-88.	1.5	219
3700	Two-step evaporation process for formation of aligned zinc oxide nanowires. Journal of Crystal Growth, 2003, 258, 342-348.	1.5	67
3701	Catalytic growth of carbon nanotubes and their patterning based on ink-jet and lithographic techniques. Journal of Electroanalytical Chemistry, 2003, 559, 25-30.	3.8	27
3702	Carbon nanotube-intercalated graphite electrodes for simultaneous determination of dopamine and serotonin in the presence of ascorbic acid. Journal of Electroanalytical Chemistry, 2003, 540, 129-134.	3.8	215
3703	Towards molecular-scale electronics and biomolecular self-assembly. Superlattices and Microstructures, 2003, 33, 369-379.	3.1	17
3704	Fabrication of a carbon nanotube device using a patterned electrode and a local electric field. Superlattices and Microstructures, 2003, 34, 401-405.	3.1	9
3705	Atomic-scale characterization of single-walled carbon nanotubes on Si(100)-2 \times 1:H with the ultrahigh vacuum scanning tunneling microscope. Superlattices and Microstructures, 2003, 34, 407-412.	3.1	4
3706	Pyrolytic-grown B α C α N and BN nanotubes. Science and Technology of Advanced Materials, 2003, 4, 403-407.	6.1	15
3707	Mercury-free simultaneous determination of cadmium and lead at a glassy carbon electrode modified with multi-wall carbon nanotubes. Analytica Chimica Acta, 2003, 489, 215-221.	5.4	161
3708	Photoinduced charge transfer in poly(p-phenylene vinylene) derivatives and carbon nanotube/C ₆₀ composites. Physica B: Condensed Matter, 2003, 338, 366-369.	2.7	44

#	ARTICLE	IF	CITATIONS
3709	Fe and Mn atoms interacting with carbon nanotubes. Physica B: Condensed Matter, 2003, 340-342, 982-985.	2.7	20
3710	Electrochemical detection of DNA hybridization based on carbon-nanotubes loaded with CdS tags. Electrochemistry Communications, 2003, 5, 1000-1004.	4.7	151
3711	Phase-controlled synthesis and characterization of nickel sulfides nanorods. Journal of Solid State Chemistry, 2003, 173, 227-231.	2.9	42
3712	Quasi-one-dimensional materials: polymers and chains. Journal of Solid State Chemistry, 2003, 176, 311-318.	2.9	10
3713	Size-dependent elastic properties of a single-walled carbon nanotube via a molecular mechanics model. Journal of the Mechanics and Physics of Solids, 2003, 51, 1059-1074.	4.8	524
3714	Fabrication and characterization of boron-related nanowires. Microelectronics Journal, 2003, 34, 463-470.	2.0	20
3715	Theoretical investigation of TiB ₂ nanotubes. Microelectronics Journal, 2003, 34, 495-497.	2.0	17
3716	The formation and characterization of palladium nanowires in growing carbon nanotubes using microwave plasma-enhanced chemical vapor deposition. Thin Solid Films, 2003, 423, 27-32.	1.8	31
3717	Template-directed synthesis of carbon nanowires using pulsed corona plasma at atmospheric pressure. Thin Solid Films, 2003, 435, 116-119.	1.8	4
3718	Field emission properties of vertically aligned carbon nanotubes grown on bias-enhanced hydrogen plasma-pretreated Cr film. Thin Solid Films, 2003, 444, 64-69.	1.8	11
3719	Electronic structure of C ₆₀ -encapsulating semiconducting carbon nanotube. Solid State Communications, 2003, 125, 201-204.	1.9	30
3720	Simplified synthesis of double-wall carbon nanotubes. Solid State Communications, 2003, 126, 359-362.	1.9	41
3721	The synthesis of silica nanowire arrays. Solid State Communications, 2003, 125, 629-631.	1.9	44
3722	Catalytic synthesis of single-crystalline gallium nitride nanobelts. Solid State Communications, 2003, 126, 315-318.	1.9	20
3723	The octa-twin tetraleg ZnO nanostructures. Solid State Communications, 2003, 126, 629-633.	1.9	167
3724	Quantum anomalies in carbon nanotubes. Solid State Communications, 2003, 127, 69-78.	1.9	8
3725	Synthesis and characterization of monoclinic ZrO ₂ nanorods by a novel and simple precursor thermal decomposition approach. Solid State Communications, 2003, 127, 639-643.	1.9	51
3726	Convenient synthesis of single crystalline magnetic Fe ₃ O ₄ nanorods. Solid State Communications, 2003, 127, 605-608.	1.9	113

#	ARTICLE	IF	CITATIONS
3727	Structural models of inorganic fullerene-like structures. Surface Science, 2003, 526, 243-247.	1.9	19
3728	Melting and breaking of ultrathin copper nanobridges. Surface Science, 2003, 532-535, 536-543.	1.9	12
3729	Hard-materials-surface prediction of one-dimensional electron gas. Surface Science, 2003, 532-535, 594-599.	1.9	0
3730	Atomistic study of strain dependence of Poisson's ratio of single-walled carbon nanotubes. Surface Science, 2003, 532-535, 862-868.	1.9	17
3731	Opening of single-walled carbon nanotubes: evidence given by krypton and xenon adsorption. Surface Science, 2003, 531, 86-92.	1.9	42
3732	Development of a miniature STM holder for study of electronic conductance of metal nanowires in UHV-TEM. Surface Science, 2003, 531, 209-216.	1.9	39
3733	Nanomanipulation by atomic force microscopy of carbon nanotubes on a nanostructured surface. Surface Science, 2003, 543, 57-62.	1.9	42
3734	Direct ion beam deposited carbon films and clusters. Vacuum, 2003, 72, 193-198.	3.5	7
3735	Friction and wear behavior of electroless Ni-based CNT composite coatings. Wear, 2003, 254, 1289-1293.	3.1	158
3736	Effects of oxygen and nitrogen on carbon nanotube growth using a microwave plasma chemical vapor deposition technique. Surface and Coatings Technology, 2003, 167, 288-291.	4.8	20
3737	Synthesis of aligned carbon nanotubes by DC plasma-enhanced hot filament CVD. Surface and Coatings Technology, 2003, 174-175, 81-87.	4.8	39
3738	Self-consistent properties of carbon nanotubes and hexagonal arrays as composite reinforcements. Composites Science and Technology, 2003, 63, 1349-1358.	7.8	59
3739	Constitutive modeling of nanotube-reinforced polymer composites. Composites Science and Technology, 2003, 63, 1671-1687.	7.8	682
3740	Load transfer mechanism in carbon nanotube ropes. Composites Science and Technology, 2003, 63, 1561-1569.	7.8	177
3741	Elastic moduli of multi-walled carbon nanotubes and the effect of van der Waals forces. Composites Science and Technology, 2003, 63, 1517-1524.	7.8	494
3742	Simulation of elastic properties of single-walled carbon nanotubes. Composites Science and Technology, 2003, 63, 1507-1515.	7.8	269
3743	Density functional calculation of structure and stability of nitrogen clusters N10, N12, and N20. Computational and Theoretical Chemistry, 2003, 623, 197-201.	1.5	22
3744	Quantum chemical simulation of the electronic structure and chemical bonding in (6,6), (11,11) and (20,0)-like metal-boron nanotubes. Computational and Theoretical Chemistry, 2003, 625, 9-16.	1.5	28

#	ARTICLE	IF	CITATIONS
3745	Monosilapseudocyclacenesâ€™ ab initio treatment. Computational and Theoretical Chemistry, 2003, 625, 173-176.	1.5	2
3746	Structural and electronic properties of novel nanoscale C _{4n} S _{4n} molecules. Computational and Theoretical Chemistry, 2003, 635, 125-131.	1.5	0
3747	Theoretical investigation on the hydrogenation of armchair single-walled carbon nanotubes. Computational and Theoretical Chemistry, 2003, 635, 203-210.	1.5	8
3748	An ab initio treatment on some isomeric structures of a small pseudocyclacene. Computational and Theoretical Chemistry, 2003, 637, 109-113.	1.5	2
3749	Study of the interaction of 6-mercaptopurine with protein by microdialysis coupled with LC and electrochemical detection based on functionalized multi-wall carbon nanotubes modified electrode. Journal of Pharmaceutical and Biomedical Analysis, 2003, 32, 505-512.	2.8	21
3750	Evaluations of the effective material properties of carbon nanotube-based composites using a nanoscale representative volume element. Mechanics of Materials, 2003, 35, 69-81.	3.2	392
3751	Effect of nickel thickness and microwave power on the growth of carbon nanotubes by microwave-heated chemical vapor deposition. Microelectronic Engineering, 2003, 66, 10-16.	2.4	12
3752	Fabrication and characterization of anodic aluminum oxide template. Microelectronic Engineering, 2003, 66, 166-170.	2.4	106
3753	Fabrication of high performance carbon nanotube field emitters. Microelectronic Engineering, 2003, 66, 206-212.	2.4	26
3754	The general structural character of carbon bucky-cages and the MS substructures of C ₆₀ and C ₇₀ . Microelectronic Engineering, 2003, 66, 213-217.	2.4	0
3755	Annealing amorphous carbon nanotubes for their application in hydrogen storage. Applied Surface Science, 2003, 205, 39-43.	6.1	70
3756	Enhancement of field emission in carbon nanotubes through adsorption of polar molecules. Applied Surface Science, 2003, 206, 167-177.	6.1	74
3757	Surface morphology and field emission characteristics of carbon nanofiber films grown by chemical vapor deposition on alloy catalyst. Applied Surface Science, 2003, 212-213, 383-387.	6.1	14
3758	Ponderomotive forces effect on the field emission of carbon nanotube films. Applied Surface Science, 2003, 215, 149-159.	6.1	21
3759	Synthesis of carbon nanotubes/Si nanowires core-sheath structure arrays and their field emission properties. Applied Surface Science, 2003, 218, 196-202.	6.1	19
3760	Field emission characteristic of screen-printed carbon nanotube cathode. Applied Surface Science, 2003, 220, 96-104.	6.1	80
3761	3d-Metal monocarbonyls MCO, MCO ⁺ , and MCO ⁺ (M=Sc to Cu): comparative bond strengths and catalytic ability to produce CO ₂ in reactions with CO. Chemical Physics, 2003, 290, 47-58.	1.9	26
3762	Imaging of fullerene-like structures in CN _x thin films by electron microscopy; sample preparation artefacts due to ion-beam milling. Ultramicroscopy, 2003, 94, 163-173.	1.9	20

#	ARTICLE	IF	CITATIONS
3763	Nanomaterials for field electron emission: preparation, characterization and application. Ultramicroscopy, 2003, 95, 19-28.	1.9	34
3764	Field emission from multiwall carbon nanotubes in controlled ambient gases, H ₂ , CO, N ₂ and O ₂ . Ultramicroscopy, 2003, 95, 107-112.	1.9	24
3765	Energy distributions of field emitted electrons from a multi-wall carbon nanotube. Ultramicroscopy, 2003, 95, 139-143.	1.9	15
3766	The application of carbon nanotubes in high-efficiency low power consumption field-emission luminescent tube. Ultramicroscopy, 2003, 95, 153-156.	1.9	31
3767	Simulations of electron energy-loss spectra of an electron passing near a locally anisotropic nanotube. Journal of Electron Spectroscopy and Related Phenomena, 2003, 129, 293-298.	1.7	10
3768	Formation mechanism of alumina nanotube array. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 309, 109-113.	2.1	64
3769	Mesoscopic transport through a hybrid system with toroidal carbon nanotube coupled to normal and superconducting leads. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 310, 207-213.	2.1	10
3770	Novel magnetoplasmons in armchair carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 53-59.	2.1	5
3771	Nanomachines based on carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 313, 112-121.	2.1	89
3772	Carbon anode materials for lithium ion batteries. Journal of Power Sources, 2003, 114, 228-236.	7.8	696
3773	New additives to active masses of sealed lead storage battery. Journal of Power Sources, 2003, 114, 303-308.	7.8	6
3774	Preparation and characterization of carbon nanotubes for energy storage. Journal of Power Sources, 2003, 119-121, 16-23.	7.8	71
3775	Synthesis of carbon nanotubes by CO ₂ -laser-assisted chemical vapour deposition. Infrared Physics and Technology, 2003, 44, 43-50.	2.9	53
3776	Application of nanotechnologies in high energy physics. Nuclear Physics, Section B, Proceedings Supplements, 2003, 125, 164-168.	0.4	8
3777	Hydrothermal synthesis of vanadium oxide nanotubes from V ₂ O ₅ gels. Catalysis Today, 2003, 78, 85-89.	4.4	108
3778	Simple approach to fabricate microgated nanotubes emitter with a sidewall protector. Physica B: Condensed Matter, 2003, 334, 9-12.	2.7	7
3779	Layered growth of aligned carbon nanotube arrays by pyrolysis. Physica B: Condensed Matter, 2003, 337, 10-16.	2.7	30
3780	Plasma breaking of thin films into nano-sized catalysts for carbon nanotube synthesis. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 352, 308-313.	5.6	20

#	ARTICLE	IF	CITATIONS
3781	Growth and microstructure of Co-filled carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 357, 308-313.	5.6	26
3782	Fabrication and mechanical properties of SiO ₂ matrix composites reinforced by carbon nanotube. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 357, 392-396.	5.6	174
3783	Preparation of carbon-coated Co and Ni nanocrystallites by a modified AC arc discharge method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 100, 186-190.	3.5	34
3784	Electronic properties of AA-stacked nanographite ribbons. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 214-222.	2.7	7
3785	Interaction between layers of the multi-wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 16, 259-268.	2.7	40
3786	Ultrafast pump-probe measurements in single wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 17, 380-383.	2.7	11
3787	Transport in nanostructures and nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 202-205.	2.7	8
3788	Superconducting and density-wave correlation functions in carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 218-219.	2.7	2
3789	Uniaxial-stress effects on electronic structures of nanographite ribbons. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 509-522.	2.7	2
3790	Ordered microporous and mesoporous materials with inorganic hosts: definitions of terms, formula notation, and systematic classification. Microporous and Mesoporous Materials, 2003, 58, 15-72.	4.4	81
3791	Carbon fibers prepared by pyrolysis of methane over Ni/MCM-41 catalyst. Microporous and Mesoporous Materials, 2003, 57, 283-289.	4.4	45
3792	Carbon nanotubes paste electrode. Electrochemistry Communications, 2003, 5, 689-694.	4.7	430
3793	Temperature dependence of photoconductivity at 0.7 eV in single-wall carbon nanotube films. Science and Technology of Advanced Materials, 2003, 4, 47-50.	6.1	21
3794	Studies on electrochemical properties and scavenge of superoxide anion in aprotic media by using carbon nanotubes powder microelectrode. Bioelectrochemistry, 2003, 61, 51-56.	4.6	19
3795	Liquid chromatography with amperometric detection using functionalized multi-wall carbon nanotube modified electrode for the determination of monoamine neurotransmitters and their metabolites. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 791, 217-225.	2.3	53
3796	Electron field emission from carbon nanotubes. Comptes Rendus Physique, 2003, 4, 1021-1033.	0.9	278
3797	Supramolecular organized structures of fullerene-based materials and organic functionalization of carbon nanotubes. Comptes Rendus Chimie, 2003, 6, 597-602.	0.5	18
3798	Interaction-mediated growth of carbon nanotubes on acicular silica-coated γ -Fe catalyst by chemical vapor deposition. Particuology: Science and Technology of Particles, 2003, 1, 253-257.	0.4	1

#	ARTICLE	IF	CITATIONS
3799	Carbon nanotubes via methane decomposition on an alumina supported cobalt aerogel catalyst. Particology: Science and Technology of Particles, 2003, 1, 266-270.	0.4	9
3800	Nanoscale gap fabrication and integration of carbon nanotubes by micromachining. Sensors and Actuators A: Physical, 2003, 104, 229-235.	4.1	45
3801	The microstructure studies of bismuth sulfide nanorods prepared by sonochemical method. Optical Materials, 2003, 23, 89-92.	3.6	40
3802	A novel microelectronic gas sensor utilizing carbon nanotubes for hydrogen gas detection. Sensors and Actuators B: Chemical, 2003, 93, 327-332.	7.8	203
3803	Catalytic decomposition of methane over Ni-Al ₂ O ₃ coprecipitated catalysts. Applied Catalysis A: General, 2003, 252, 363-383.	4.3	220
3804	Stability of multi-walled carbon nanotubes dispersion with copolymer in ethanol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2003, 224, 127-134.	4.7	64
3805	Synthesis and characterization of new polyaniline/nanotube composites. Materials Science and Engineering C, 2003, 23, 87-91.	7.3	105
3806	Diameter control and emission properties of carbon nanotubes grown using chemical vapor deposition. Materials Science and Engineering C, 2003, 23, 141-144.	7.3	17
3807	STM and AFM investigation of coiled carbon nanotubes produced by laser evaporation of fullerene. Materials Science and Engineering C, 2003, 23, 275-278.	7.3	17
3808	Reversible oxidation effects on carbon nanotubes thin films for gas sensing applications. Materials Science and Engineering C, 2003, 23, 523-529.	7.3	83
3809	Electronic properties of the metallic zigzag single-walled carbon nanotube ropes. Physica Status Solidi (B): Basic Research, 2003, 239, 152-157.	1.5	3
3810	The radial breathing mode frequency in double-walled carbon nanotubes: an analytical approximation. Physica Status Solidi (B): Basic Research, 2003, 237, R7-R10.	1.5	38
3811	Wave theory of x-ray scattering in capillary structures. X-Ray Spectrometry, 2003, 32, 179-185.	1.4	23
3812	Structural and Electronic Properties of 240Å° Nanocones. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 799-802.	0.8	9
3813	N-band Hubbard models II: Cooperative mechanisms of electron-phonon, electron correlation, and many-band effects toward high-T _c superconductors. International Journal of Quantum Chemistry, 2003, 92, 47-70.	2.0	11
3814	Computation of STM images of carbon nanotubes. International Journal of Quantum Chemistry, 2003, 95, 493-503.	2.0	16
3815	Structural characterization of randomly and vertically oriented carbon nanotube films grown by chemical vapour deposition. Surface and Interface Analysis, 2003, 35, 15-18.	1.8	9
3816	Fabrication of Single-Crystal Al ₂ O ₃ Nanorods by Displacement Reactions. Journal of the American Ceramic Society, 2003, 86, 1385-1388.	3.8	17

#	ARTICLE	IF	CITATIONS
3817	Single-crystal gallium nitride nanotubes. <i>Nature</i> , 2003, 422, 599-602.	27.8	1,214
3818	Rotational actuators based on carbon nanotubes. <i>Nature</i> , 2003, 424, 408-410.	27.8	1,098
3819	In situ electron microscopy study of growth of WO ₃ and MoO ₃ nanowhiskers. <i>Crystallography Reports</i> , 2003, 48, 512-514.	0.6	1
3820	Classification of two-shell nanotubes with commensurate structures of shells. <i>Physics of the Solid State</i> , 2003, 45, 1396-1402.	0.6	10
3821	The carbon web formation during the synthesis of single-sheet nanotubes in the jet of laser ablation products expanding in electric field. <i>Technical Physics Letters</i> , 2003, 29, 787-789.	0.7	2
3822	Synthesis of single-walled carbon nanotubes in an expanding vapor-gas flow produced by laser ablation of a graphite-catalyst mixture. <i>Technical Physics</i> , 2003, 48, 1436-1441.	0.7	4
3823	Single-wall carbon nanotubes as attractive toughening agents in alumina-based nanocomposites. <i>Nature Materials</i> , 2003, 2, 38-42.	27.5	877
3824	Peptides with selective affinity for carbon nanotubes. <i>Nature Materials</i> , 2003, 2, 196-200.	27.5	520
3825	Bandgap engineering with strain. <i>Nature Materials</i> , 2003, 2, 440-442.	27.5	54
3826	Secular science. <i>Nature Materials</i> , 2003, 2, 442-442.	27.5	1
3827	Assembling a lasing hybrid material with supramolecular polymers and nanocrystals. <i>Nature Materials</i> , 2003, 2, 689-694.	27.5	61
3828	The emerging field of nanotube biotechnology. <i>Nature Reviews Drug Discovery</i> , 2003, 2, 29-37.	46.4	733
3829	Surface charge model of a carbon nanotube: self-consistent field from Thomas-Fermi theory. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 1285-1288.	4.0	9
3830	The oxidation and reduction behavior of nitrite at carbon nanotube powder microelectrodes. <i>Microchemical Journal</i> , 2003, 75, 189-198.	4.5	40
3831	Use of functionalized WS ₂ nanotubes to produce new polystyrene/polymethylmethacrylate nanocomposites. <i>Polymer</i> , 2003, 44, 2109-2115.	3.8	43
3832	Effects of oxygen annealing on gas sensing properties of carbon nanotube thin films. <i>Thin Solid Films</i> , 2003, 436, 95-100.	1.8	72
3833	Fabrication and characteristics of field emitter using carbon nanotubes directly grown by thermal chemical vapor deposition. <i>Thin Solid Films</i> , 2003, 436, 298-302.	1.8	16
3834	The crystalline properties of carbon nitride nanotubes synthesized by electron cyclotron resonance plasma. <i>Thin Solid Films</i> , 2003, 444, 38-43.	1.8	26

#	ARTICLE	IF	CITATIONS
3835	Mass production of carbon nanotubes using spin-coating of nanoparticles. Microelectronic Engineering, 2003, 66, 77-82.	2.4	39
3836	Control of carbon nanotube's shape by ion bombardment. Microelectronic Engineering, 2003, 69, 81-88.	2.4	15
3837	The effect of topological defects and oxygen adsorption on the electronic transport properties of single-walled carbon-nanotubes. Applied Surface Science, 2003, 211, 166-183.	6.1	110
3838	Quantum interference of conduction electrons in carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 308, 198-201.	2.1	1
3839	Investigation of electrochemical double-layer (ECDL) capacitors electrodes based on carbon nanotubes and activated carbon materials. Journal of Power Sources, 2003, 124, 321-329.	7.8	257
3840	Coal and carbon nanotube production. Fuel, 2003, 82, 2025-2032.	6.4	41
3841	Al ₂ O ₃ coating of ZnO nanorods by atomic layer deposition. Journal of Crystal Growth, 2003, 252, 565-569.	1.5	49
3842	Al ₂ O ₃ nanotubes and nanorods fabricated by coating and filling of carbon nanotubes with atomic-layer deposition. Journal of Crystal Growth, 2003, 254, 443-448.	1.5	101
3843	Synthesis of yttrium hydroxide and oxide nanotubes. Journal of Crystal Growth, 2003, 259, 208-214.	1.5	139
3844	Electrocatalytic oxidation of cysteine at carbon nanotube powder microelectrode and its detection. Sensors and Actuators B: Chemical, 2003, 92, 279-285.	7.8	106
3845	Mesoporous carbon nanotubes for use as support in catalysis and as nanosized reactors for one-dimensional inorganic material synthesis. Applied Catalysis A: General, 2003, 254, 345-363.	4.3	117
3846	Carbon nanotubes and nanofibers in catalysis. Applied Catalysis A: General, 2003, 253, 337-358.	4.3	1,703
3847	Adhesion study of polyimide to single-wall carbon nanotube bundles by energy-filtered transmission electron microscopy. Nanotechnology, 2003, 14, L11-L14.	2.6	41
3848	New Synthesis of High-Quality Double-Walled Carbon Nanotubes by High-Temperature Pulsed Arc Discharge. Nano Letters, 2003, 3, 769-773.	9.1	208
3849	Fabrication and microstructure analysis on zinc oxide nanotubes. New Journal of Physics, 2003, 5, 115-115.	2.9	83
3850	The role of nitrogen in carbon nanotube formation. Diamond and Related Materials, 2003, 12, 1851-1857.	3.9	90
3851	Pretreatment of Fe(C ₇ H ₁₅ COO) ₃ metal-organics for growing carbon nanotubes on silicon substrates. Diamond and Related Materials, 2003, 12, 283-289.	3.9	2
3852	Electron field emission properties of carbon nanostructure synthesized by catalyst assisted solid-state growth process. Diamond and Related Materials, 2003, 12, 450-455.	3.9	8

#	ARTICLE	IF	CITATIONS
3853	Observations of nanotube and α -celery™ structures following diamond CVD on single crystal diamond substrates. Diamond and Related Materials, 2003, 12, 1858-1861.	3.9	1
3854	Effects of catalytic metals for synthesis of BN fullerene nanomaterials. Diamond and Related Materials, 2003, 12, 1146-1150.	3.9	50
3855	Electron field emission properties of carbon nanotubes grown on iron needles. Diamond and Related Materials, 2003, 12, 486-489.	3.9	2
3856	Camphor—a botanical precursor producing garden of carbon nanotubes. Diamond and Related Materials, 2003, 12, 998-1002.	3.9	65
3857	Boron nitride nanostructures formed by ultra-high-repetition rate laser ablation. Diamond and Related Materials, 2003, 12, 1269-1274.	3.9	70
3858	Effects of single-walled carbon nanotube incorporation on the cure reaction of epoxy resin and its detection by Raman spectroscopy. Diamond and Related Materials, 2003, 12, 827-832.	3.9	118
3859	Effect of catalyst layer thickness and Ar dilution on the plasma deposition of multi-walled carbon nanotubes. Diamond and Related Materials, 2003, 12, 821-826.	3.9	12
3860	Single-wall and multi-wall carbon nanotubes from camphor—a botanical hydrocarbon. Diamond and Related Materials, 2003, 12, 1845-1850.	3.9	115
3861	Vertical growth of multi-walled carbon nanotubes by bias-assisted ICPHFCVD and their field emission properties. Diamond and Related Materials, 2003, 12, 1717-1722.	3.9	10
3862	Characterization of bias-controlled carbon nanotubes. Diamond and Related Materials, 2003, 12, 1615-1620.	3.9	22
3863	Frequency dependent electrical transport between conjugated polymer and single-walled carbon nanotubes. Diamond and Related Materials, 2003, 12, 1601-1609.	3.9	34
3864	Control of carbon nanotubes density through Ni nanoparticle formation using thermal and NH ₃ plasma treatment. Diamond and Related Materials, 2003, 12, 794-798.	3.9	17
3865	Electrical and field emission investigation of individual carbon nanotubes from plasma enhanced chemical vapour deposition. Diamond and Related Materials, 2003, 12, 422-428.	3.9	74
3866	Rings of Double-Walled Carbon Nanotube Bundles. Nano Letters, 2003, 3, 685-689.	9.1	72
3867	Spinose carbon nanotubes grown on graphitized DLC film by low frequency r.f. plasma-enhanced chemical vapor deposition. Diamond and Related Materials, 2003, 12, 2203-2207.	3.9	5
3868	Fluidised-bed CVD synthesis of carbon nanotubes on Fe ₂ O ₃ /MgO. Diamond and Related Materials, 2003, 12, 780-785.	3.9	59
3869	Characterization of the uppermost layer of plasma-treated carbon nanotubes. Diamond and Related Materials, 2003, 12, 811-815.	3.9	118
3870	Electron emitters synthesized by selected area deposition of carbon nanotubes on silicon substrates. Diamond and Related Materials, 2003, 12, 481-485.	3.9	12

#	ARTICLE	IF	CITATIONS
3871	Investigation on electrochemical properties of carbon nanotubes. <i>Diamond and Related Materials</i> , 2003, 12, 1295-1299.	3.9	97
3872	Genesis of Vesicle-Like and Tubular Morphologies in Inorganic Precipitates: Amorphous Mo Oxsulfides. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2678-2683.	2.6	27
3873	Shock-Wave Resistance of WS ₂ Nanotubes. <i>Journal of the American Chemical Society</i> , 2003, 125, 1329-1333.	13.7	123
3874	Structure determination of individual single-wall carbon nanotubes by nanoarea electron diffraction. <i>Applied Physics Letters</i> , 2003, 82, 2703-2705.	3.3	137
3875	Ab initio calculations of the lattice dynamics of boron nitride nanotubes. <i>Physical Review B</i> , 2003, 68, .	3.2	165
3876	Electronic structure and the field emission mechanism of MgO-coated carbon nanotubes. <i>New Journal of Physics</i> , 2003, 5, 152-152.	2.9	22
3877	Self-Assembly of Spherical Colloids into Helical Chains with Well-Controlled Handedness. <i>Journal of the American Chemical Society</i> , 2003, 125, 2048-2049.	13.7	138
3878	Nano-Precision Replication of Natural Cellulosic Substances by Metal Oxides. <i>Journal of the American Chemical Society</i> , 2003, 125, 11834-11835.	13.7	305
3879	Variational approach to excitons in carbon nanotubes. <i>Physical Review B</i> , 2003, 67, .	3.2	170
3880	Synthesis of Organic One-Dimensional Nanomaterials by Solid-Phase Reaction. <i>Journal of the American Chemical Society</i> , 2003, 125, 10794-10795.	13.7	163
3881	Template-Free Solution Synthesis of Sulfur Microtubules. <i>Chemistry of Materials</i> , 2003, 15, 2119-2121.	6.7	14
3882	Covalent Sidewall Functionalization of Single Wall Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2003, 125, 3617-3621.	13.7	212
3883	Two-Temperature EPR Measurements of Multi-Walled Carbon Nanotubes. <i>Solid State Phenomena</i> , 2003, 94, 275-278.	0.3	3
3884	Functionalization of Single-Walled Carbon Nanotubes with (R)-Oxycarbonyl Nitrenes. <i>Journal of the American Chemical Society</i> , 2003, 125, 8566-8580.	13.7	520
3885	One-Step Water-Assisted Synthesis of High-Quality Carbon Nanotubes Directly from Graphite. <i>Journal of the American Chemical Society</i> , 2003, 125, 13652-13653.	13.7	132
3886	Carbon Nanotubes/Magnetite Nanocomposites from Solvothermal Processes: Formation, Characterization, and Enhanced Electrical Properties. <i>Chemistry of Materials</i> , 2003, 15, 2848-2853.	6.7	132
3887	Mechanical and electrostatic properties of carbon nanotubes under tensile loading and electric field. <i>Journal Physics D: Applied Physics</i> , 2003, 36, 805-811.	2.8	62
3888	Diffusivities of Ar and Ne in Carbon Nanotubes. <i>Molecular Simulation</i> , 2003, 29, 677-684.	2.0	146

#	ARTICLE	IF	CITATIONS
3889	Electrostatic Interactions between Shortened Multiwall Carbon Nanotubes and Polyelectrolytes. Langmuir, 2003, 19, 2525-2527.	3.5	81
3890	Electron states in boron nitride nanocones. Applied Physics Letters, 2003, 82, 2323-2325.	3.3	45
3891	The characterization of boron-doped carbon nanotube arrays. Diamond and Related Materials, 2003, 12, 1500-1504.	3.9	41
3892	Size-Controlled Growth of Co ₃ O ₄ Nanocubes. Chemistry of Materials, 2003, 15, 2829-2835.	6.7	265
3893	Column buckling of multiwalled carbon nanotubes using nonlocal continuum mechanics. Journal of Applied Physics, 2003, 94, 7281-7287.	2.5	594
3894	Characterization of Surface Electrostatic Potentials of some (5,5) and (n,1) Carbon and Boron/Nitrogen Model Nanotubes. Nano Letters, 2003, 3, 21-28.	9.1	124
3895	Complex Γ -MoO ₃ Nanostructures with External Bonding Capacity for Self-Assembly. Journal of the American Chemical Society, 2003, 125, 2697-2704.	13.7	203
3896	Formation mechanism of TiO ₂ nanotubes. Applied Physics Letters, 2003, 82, 281-283.	3.3	505
3897	Ab initio study of MoS ₂ nanotube bundles. Physical Review B, 2003, 68, .	3.2	27
3898	Nanoshell tubes of ferroelectric lead zirconate titanate and barium titanate. Applied Physics Letters, 2003, 83, 440-442.	3.3	290
3899	Temperature Dependence of Morphologies of Aligned Silicon Oxide Nanowire Assemblies Catalyzed by Molten Gallium. Nano Letters, 2003, 3, 1279-1284.	9.1	122
3900	Nanofluids containing multiwalled carbon nanotubes and their enhanced thermal conductivities. Journal of Applied Physics, 2003, 94, 4967.	2.5	666
3901	Photoluminescence and Electronic Interaction of Anthracene Derivatives Adsorbed on Sidewalls of Single-Walled Carbon Nanotubes. Nano Letters, 2003, 3, 403-407.	9.1	262
3902	Fullerene Coalescence in Nanopeapods: A Path to Novel Tubular Carbon. Nano Letters, 2003, 3, 1037-1042.	9.1	185
3903	Curvature-Directed Crystallization of Poly(vinylidene difluoride) in Nanotube Walls. Macromolecules, 2003, 36, 3646-3651.	4.8	185
3904	A controllable synthetic route to Cu, Cu ₂ O, and CuO nanotubes and nanorods Electronic supplementary information (ESI) available: EDS patterns of nanotubes and SEM images of nanorods. See http://www.rsc.org/suppdata/cc/b3/b304505f/ . Chemical Communications, 2003, , 1884.	4.1	366
3905	One-step formation of aligned carbon nanotube field emitters at 400 \pm 5 $^{\circ}$ C. Applied Physics Letters, 2003, 82, 2485-2487.	3.3	59
3906	Interfacial and Nanoscale Failure. , 2003, , 1-40.		9

#	ARTICLE	IF	CITATIONS
3907	A comparison of potential molecular wires as components for molecular electronics. Chemical Society Reviews, 2003, 32, 96-103.	38.1	320
3908	Hydrogen Adsorption Storage on Single-Walled Carbon Nanotube Arrays by a Combination of Classical Potential and Density Functional Theory. Journal of Physical Chemistry B, 2003, 107, 4942-4950.	2.6	73
3909	Carbon Nanotubes Embedded in Oriented Polymer Nanofibers by Electrospinning. Langmuir, 2003, 19, 7012-7020.	3.5	501
3910	Silica gel fabrication of [60]fullerene aggregates and carbon nanotubes utilizing the amphiphilic nature of poly(N-vinylpyrrolidone) as a "glue". Journal of Materials Chemistry, 2003, 13, 2145-2149.	6.7	20
3911	Observation of a logarithmic temperature dependence of thermoelectric power in multiwall carbon nanotubes. Physical Review B, 2003, 67, .	3.2	35
3912	Large-area FEDs with carbon-nanotube field emitter. Journal of the Society for Information Display, 2003, 11, 145.	2.1	25
3913	Polarized optical absorption in carbon nanotubes: A symmetry-based approach. Physical Review B, 2003, 67, .	3.2	41
3914	Nonlinear Resistance Dependence on Length in Single-Wall Carbon Nanotubes. Nano Letters, 2003, 3, 131-134.	9.1	17
3915	Saturation of the Third-Order Polarizability of Carbon Nanotubes Characterized by a Dipole Interaction Model. Nano Letters, 2003, 3, 661-665.	9.1	32
3916	Selective and Efficient Impregnation of Metal Nanoparticles on Cup-Stacked-Type Carbon Nanofibers. Nano Letters, 2003, 3, 723-726.	9.1	208
3917	Oscillatory Behavior of Double-Walled Nanotubes under Extension: A Simple Nanoscale Damped Spring. Nano Letters, 2003, 3, 1001-1005.	9.1	171
3918	A Surface Modification Approach to the Patterned Assembly of Single-Walled Carbon Nanomaterials. Nano Letters, 2003, 3, 1239-1243.	9.1	56
3919	CdI ₂ nanoparticles with closed-cage (fullerene-like) structures. Journal of Materials Chemistry, 2003, 13, 1631.	6.7	41
3920	Gallium-mediated growth of multiwall carbon nanotubes. Applied Physics Letters, 2003, 82, 1947-1949.	3.3	37
3921	Nanomechanics of carbon nanotubes and composites. Applied Mechanics Reviews, 2003, 56, 215-230.	10.1	260
3922	Controlled Growth of Composite Nanowires Based on Coating Ni on Carbon Nanotubes by Electrochemical Deposition Method. Journal of Physical Chemistry B, 2003, 107, 8294-8296.	2.6	61
3923	Carbon nanotube closed-ring structures. Physical Review B, 2003, 67, .	3.2	42
3924	Spin- and charge-polarized states in nanographene ribbons with zigzag edges. Physical Review B, 2003, 68, .	3.2	139

#	ARTICLE	IF	CITATIONS
3925	Large-Scale Synthesis of Carbon Nanotubes by an Ethanol Thermal Reduction Process. Journal of the American Chemical Society, 2003, 125, 8088-8089.	13.7	174
3926	Formation of anatase TiO ₂ nanoparticles on carbon nanotubes. Chemical Communications, 2003, , 780-781.	4.1	151
3927	Unusual High Degree of Unperturbed Environment in the Interior of Single-Wall Carbon Nanotubes. Physical Review Letters, 2003, 90, 225501.	7.8	158
3928	Unusual Carbon-Based Nanofibers and Chains among Diesel-Emitted Particles. Nano Letters, 2003, 3, 63-64.	9.1	28
3929	Novel Crystal Growth from a Two-Dimensionally Bound Nanoscopic System. Formation of Oriented Anatase Nanocrystals from Titania Nanosheets. Crystal Growth and Design, 2003, 3, 281-283.	3.0	30
3930	N ₂ Physisorption on Carbon Nanotubes: A Computer Simulation and Experimental Results. Journal of Physical Chemistry B, 2003, 107, 8905-8916.	2.6	41
3931	Theoretical Study on Cystine-Based Cyclobisamides. Journal of Physical Chemistry A, 2003, 107, 91-96.	2.5	9
3932	Oxidized Diamond as a Simultaneous Production Medium of Carbon Nanomaterials and Hydrogen for Fuel Cell. Chemistry of Materials, 2003, 15, 4571-4575.	6.7	37
3933	Self-Alignment of Shortened Multiwall Carbon Nanotubes on Polyelectrolyte Layers. Langmuir, 2003, 19, 4848-4851.	3.5	44
3934	A Co-pyrolysis Method to Boron Nitride Nanotubes at Relative Low Temperature. Chemistry of Materials, 2003, 15, 2675-2680.	6.7	68
3935	Synthesis of Carbon Nanotubes and Nanobelts through a Medial-Reduction Method. Journal of Physical Chemistry B, 2003, 107, 6329-6332.	2.6	42
3936	Energetics and electronic structure of C ₇₀ -peapods and one-dimensional chains of C ₇₀ . New Journal of Physics, 2003, 5, 122-122.	2.9	22
3937	Selective Positioning and Density Control of Nanotubes within a Polymer Thin Film. Nano Letters, 2003, 3, 1333-1337.	9.1	57
3938	Synthesis of a Li ⁺ Mn-oxide with Disordered Layer Stacking through Flocculation of Exfoliated MnO ₂ Nanosheets, and Its Electrochemical Properties. Chemistry of Materials, 2003, 15, 4508-4514.	6.7	130
3939	Selective High-Yield Catalytic Synthesis of Terbium Metallofullerenes and Single-Wall Carbon Nanotubes. Journal of Physical Chemistry B, 2003, 107, 2485-2489.	2.6	13
3940	Functionalization of cyclodextrins-incorporated carbon nanotube electrodes for neutral nitrophenol recognition. , 0, , .		3
3941	Near-Infrared Saturable Absorption of Single-Wall Carbon Nanotubes Prepared by Laser Ablation Method. Japanese Journal of Applied Physics, 2003, 42, L494-L496.	1.5	77
3942	Continuous Hot Wire Chemical Vapor Deposition of High-Density Carbon Multiwall Nanotubes. Nano Letters, 2003, 3, 1425-1429.	9.1	38

#	ARTICLE	IF	CITATIONS
3943	Breaking of Nanotube Symmetry by Substrate Polarization. Nano Letters, 2003, 3, 701-705.	9.1	13
3944	Binary Nanomaterials Based on Nanocarbons: A Case for Probing Carbon Nanohorns' Biorecognition Properties. Nano Letters, 2003, 3, 1033-1036.	9.1	49
3945	Scale Effects in Carbon Nanostructures: A Self-Similar Analysis. Nano Letters, 2003, 3, 239-243.	9.1	25
3946	Nanometer-Scale Ferromagnet: Carbon Nanotubes with Finite Length. Journal of the Physical Society of Japan, 2003, 72, 1510-1515.	1.6	82
3947	Synthesis of silica nanotubes from kaolin clay. Chemical Communications, 2003, , 1302-1303.	4.1	20
3948	Nanoscale Oxygen Generators: A MgO ₂ -Based Fillings of BN Nanotubes. Journal of Physical Chemistry B, 2003, 107, 8726-8729.	2.6	32
3949	Preparation of Carbon Nanotube Encapsulated Copper Nanowires and Their Use as a Reinforcement for YBaCuO Superconductors. Chemistry of Materials, 2003, 15, 1353-1357.	6.7	33
3950	Direct Pyrolysis Method for Superconducting Crystalline MgB ₂ Nanowires. Chemistry of Materials, 2003, 15, 3194-3197.	6.7	20
3951	Growth Conditions of Double-Walled Carbon Nanotubes in Arc Discharge. Journal of Physical Chemistry B, 2003, 107, 931-934.	2.6	111
3952	Interactions of Small Molecules and Au Nanoparticles with Solubilized Single-Wall Carbon Nanotubes. Journal of Physical Chemistry B, 2003, 107, 3726-3732.	2.6	32
3953	Photoluminescence from surfactant-assembled Y ₂ O ₃ :Eu nanotubes. Applied Physics Letters, 2003, 82, 520-522.	3.3	170
3954	A Simple Method to Synthesize Dy(OH) ₃ and Dy ₂ O ₃ Nanotubes. Journal of the American Chemical Society, 2003, 125, 1494-1495.	13.7	256
3955	High-Quality Double-Walled Carbon Nanotubes Produced by Catalytic Decomposition of Benzene. Chemistry of Materials, 2003, 15, 3951-3954.	6.7	78
3956	High-Quality Double-Walled Carbon Nanotube Super Bundles Grown in a Hydrogen-Free Atmosphere. Journal of Physical Chemistry B, 2003, 107, 8794-8798.	2.6	49
3957	Field emission of large-area and graphitized carbon nanotube array on anodic aluminum oxide template. Journal of Applied Physics, 2003, 93, 5602-5605.	2.5	84
3958	ZnO Nanobridges and Nanonails. Nano Letters, 2003, 3, 235-238.	9.1	622
3959	Ozone reactivity with carbon nanotubes: experimental and theoretical studies. , 0, , .		2
3960	Carbon Fiber Nanoelectrodes Modified by Single-Walled Carbon Nanotubes. Analytical Chemistry, 2003, 75, 6341-6345.	6.5	139

#	ARTICLE	IF	CITATIONS
3961	Structure and Energetics of Single-Walled Armchair and Zigzag Silicon Nanotubes. Journal of Physical Chemistry B, 2003, 107, 7577-7581.	2.6	85
3962	Formation, Structure, and Structural Properties of a New Filamentary Tubular Form: A Hollow Conical-Helix of Graphitic Boron Nitride. Journal of the American Chemical Society, 2003, 125, 8032-8038.	13.7	24
3963	Optimization of Single-Walled Carbon Nanotube Arrays for Methane Storage at Room Temperature. Journal of Physical Chemistry B, 2003, 107, 13286-13292.	2.6	155
3964	Detecting Surface Oxygen Groups on Carbon Nanofibers by Phase Contrast Imaging in Tapping Mode AFM. Langmuir, 2003, 19, 7665-7668.	3.5	11
3965	Direct Synthesis of Gallium Nitride Nanowires Coated with Boron Carbonitride Layers. Journal of Physical Chemistry B, 2003, 107, 6739-6742.	2.6	14
3966	Nanotubes: A Number of Kekulé Structures and Aromaticity. Journal of Chemical Information and Computer Sciences, 2003, 43, 609-614.	2.8	22
3967	Boric Acid Nanotubes, Nanotips, Nanorods, Microtubes, and Microtips. Chemistry of Materials, 2003, 15, 3276-3285.	6.7	38
3968	Chemisorption of NO ₂ on Carbon Nanotubes. Journal of Physical Chemistry B, 2003, 107, 9363-9369.	2.6	104
3969	Magnetic and electronic properties of multiwall carbon nanotubes. Physical Review B, 2003, 68, .	3.2	62
3970	The carbon nanocosmos: novel materials for the twenty-first century. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 2789-2806.	3.4	44
3971	Low-Temperature Synthesis Multiwalled Carbon Nanotubes by Microwave Plasma Chemical Vapor Deposition Using CH ₄ -CO ₂ Gas Mixture. Japanese Journal of Applied Physics, 2003, 42, 614-619.	1.5	42
3972	Thermal Reduction Route to the Fabrication of Coaxial Zn/ZnO Nanocables and ZnO Nanotubes. Chemistry of Materials, 2003, 15, 305-308.	6.7	306
3973	Carbon Nanotubes Generated from Template Carbonization of Polyphenyl Acetylene as the Support for Electrooxidation of Methanol. Journal of Physical Chemistry B, 2003, 107, 2701-2708.	2.6	143
3974	Electrochemical Behavior and Detection of Daunomycin at Multi-walled Carbon Nanotubes Modified Electrode. Analytical Letters, 2003, 36, 2597-2608.	1.8	13
3975	Inorganic nanowires. Progress in Solid State Chemistry, 2003, 31, 5-147.	7.2	690
3976	Superhydrophobic Carbon Nanotube Forests. Nano Letters, 2003, 3, 1701-1705.	9.1	1,527
3977	Semiclassical transport and phonon scattering of electrons in semiconducting carbon nanotubes. Physical Review B, 2003, 68, .	3.2	219
3978	Carbon Nanotubes as Assisted Matrix for Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2003, 75, 6191-6195.	6.5	322

#	ARTICLE	IF	CITATIONS
3979	Solubilization of Carbon Nanotubes by Nafion toward the Preparation of Amperometric Biosensors. Journal of the American Chemical Society, 2003, 125, 2408-2409.	13.7	1,365
3980	Atomic Resolution Imaging of a Carbon Nanotube from Diffraction Intensities. Science, 2003, 300, 1419-1421.	12.6	443
3981	Peer Reviewed: Environmental Technologies at the Nanoscale. Environmental Science & Technology, 2003, 37, 102A-108A.	10.0	506
3982	Anomalous Immobilized Water: A New Water Phase Induced by Confinement in Nanotubes. Nano Letters, 2003, 3, 589-592.	9.1	411
3983	Helical Gold Nanotube Synthesized at 150ÅK. Physical Review Letters, 2003, 91, 205503.	7.8	213
3984	Carbon Nanowire Made of a Long Linear Carbon Chain Inserted Inside a Multiwalled Carbon Nanotube. Physical Review Letters, 2003, 90, 187401.	7.8	349
3985	Dimension, Strength, and Chemical and Thermal Stability of a Single C-C Bond in Carbon Nanotubes. Journal of Physical Chemistry B, 2003, 107, 7544-7546.	2.6	109
3986	Mass sensing of adsorbed molecules in sub-picogram sample with ultrathin silicon resonator. Review of Scientific Instruments, 2003, 74, 1240-1243.	1.3	154
3987	Nonlinear optical response of multiwalled carbon-nanotube dispersions. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 49.	2.1	78
3988	Growth and luminescence characterization of large-scale zinc oxide nanowires. Journal of Physics Condensed Matter, 2003, 15, 2221-2226.	1.8	98
3989	Multiwalled Carbon Nanotubes as a Solid-Phase Extraction Adsorbent for the Determination of Bisphenol A, 4-n-Nonylphenol, and 4-tert-Octylphenol. Analytical Chemistry, 2003, 75, 2517-2521.	6.5	502
3990	A novel approach to carbon hollow spheres and vessels from CCl ₄ at low temperaturesElectronic supplementary information (ESI) available: mass and GC spectra. See http://www.rsc.org/suppdata/cc/b2/b211996j/ . Chemical Communications, 2003, , 904-905.	4.1	66
3991	Patterned growth of single-walled carbon nanotube arrays from a vapor-deposited Fe catalyst. Applied Physics Letters, 2003, 83, 4238-4240.	3.3	79
3992	Single wall nanotube and vapor grown carbon fiber reinforced polymers processed by extrusion freeform fabrication. Composites Part A: Applied Science and Manufacturing, 2003, 34, 1207-1217.	7.6	147
3993	A novel multi-walled carbon nanotube-based biosensor for glucose detection. Biochemical and Biophysical Research Communications, 2003, 311, 572-576.	2.1	164
3994	The effect of nanotube radius on the constitutive model for carbon nanotubes. Computational Materials Science, 2003, 28, 429-442.	3.0	160
3995	Nanotube devices fabricated in a nano laboratory. , 0, , .		4
3996	Sonochemical Deposition of Air-Stable Iron Nanoparticles on Monodispersed Carbon Spherules. Chemistry of Materials, 2003, 15, 1378-1384.	6.7	87

#	ARTICLE	IF	CITATIONS
3997	DC and AC Conductivity of Carbon Nanotubes/Polyepoxy Composites. <i>Macromolecules</i> , 2003, 36, 5187-5194.	4.8	557
3998	A Novel Method for the Templated Synthesis of Homogeneous Samples of Hollow Carbon Nanospheres from Cellulose Chars. <i>Journal of the American Chemical Society</i> , 2003, 125, 9916-9917.	13.7	77
3999	Theoretical characterization of several models of nanoporous carbon. <i>New Journal of Physics</i> , 2003, 5, 123-123.	2.9	32
4000	Carbon Nanotube T Junctions: Formation Pathways and Conductivity. <i>Physical Review Letters</i> , 2003, 91, 145501.	7.8	63
4001	Carbon nanotube growth by PECVD: a review. <i>Plasma Sources Science and Technology</i> , 2003, 12, 205-216.	3.1	697
4002	Synthesis and optical properties of S-doped ZnO nanowires. <i>Applied Physics Letters</i> , 2003, 82, 4791-4793.	3.3	154
4003	Electrical transport properties of conjugated polymer onto self-assembled aligned carbon nanotubes. <i>Diamond and Related Materials</i> , 2003, 12, 1524-1531.	3.9	11
4004	Arrays of ZnO nanowires fabricated by a simple chemical solution route. <i>Nanotechnology</i> , 2003, 14, 423-426.	2.6	111
4005	Destruction of Multiwall Carbon Nanotubes under the Influence of Ion Bombardment. <i>Materials Research Society Symposia Proceedings</i> , 2003, 792, 333.	0.1	0
4006	Nanotube electronics: non-CMOS routes. <i>Proceedings of the IEEE</i> , 2003, 9, 1819-1829.	21.3	14
4007	Assembly of nanodevices with carbon nanotubes through nanorobotic manipulations. <i>Proceedings of the IEEE</i> , 2003, 9, 1803-1818.	21.3	293
4008	Carbon nanotube electronics. <i>Proceedings of the IEEE</i> , 2003, 9, 1772-1784.	21.3	540
4009	Noncovalent functionalization of multi-walled carbon nanotubes by pyrene containing polymers. <i>Chemical Communications</i> , 2003, , 2904-2905.	4.1	186
4010	Amperometric determination of 6-mercaptopurine on functionalized multi-wall carbon nanotubes modified electrode by liquid chromatography coupled with microdialysis and its application to pharmacokinetics in rabbit. <i>Talanta</i> , 2003, 60, 1063-1070.	5.5	43
4011	Adsorptive stripping voltammetric determination of 4-aminophenol at a single-wall carbon nanotubes film coated electrode. <i>Talanta</i> , 2003, 61, 411-416.	5.5	74
4012	Water and Proton Conduction through Carbon Nanotubes as Models for Biological Channels. <i>Biophysical Journal</i> , 2003, 85, 236-244.	0.5	275
4013	Synthesis of silicon nitride nanowires directly from the silicon substrates. <i>Chemical Physics Letters</i> , 2003, 372, 269-274.	2.6	89
4014	Selective thiolation of single-walled carbon nanotubes. <i>Synthetic Metals</i> , 2003, 139, 521-527.	3.9	87

#	ARTICLE	IF	CITATIONS
4015	Chemical synthesis of coral-like nanowires and nanowire networks of conducting polypyrrole. <i>Synthetic Metals</i> , 2003, 139, 539-545.	3.9	125
4016	Graphite with fullerene and filamentous carbon structures formed from iron melt as a lithium-intercalating anode. <i>Materials Letters</i> , 2003, 57, 1113-1119.	2.6	9
4017	Growth of copper nanoparticles within VOx nanotubes. <i>Materials Letters</i> , 2003, 57, 3005-3009.	2.6	21
4018	Effects of doped copper on electrochemical performance of the raw carbon nanotubes anode. <i>Materials Letters</i> , 2003, 57, 3160-3166.	2.6	25
4019	Preparation and Characterization of Multiwalled Carbon Nanotube-Supported Platinum for Cathode Catalysts of Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry B</i> , 2003, 107, 6292-6299.	2.6	1,079
4020	Selective Attachment of Gold Nanoparticles to Nitrogen-Doped Carbon Nanotubes. <i>Nano Letters</i> , 2003, 3, 275-277.	9.1	518
4021	Synthesis of highly nitrogen-doped multi-walled carbon nanotubes. <i>Chemical Communications</i> , 2003, , 2542.	4.1	167
4022	Quantum Chemistry Study of Fullerene and Carbon Nanotube Fluorination. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10378-10388.	2.6	54
4023	MATERIALS, STRUCTURES AND APPLICATIONS OF SOME ADVANCED MEMS DEVICES. , 2003, , 117-127.		0
4024	Catalyzed growth model of carbon nanotubes by microwave plasma chemical vapor deposition using CH ₄ and CO ₂ gas mixtures. <i>Diamond and Related Materials</i> , 2003, 12, 1829-1835.	3.9	14
4025	Currents and correlations in Luttinger liquids and carbon nanotubes at finite temperature and size: a bosonization study. <i>Nuclear Physics B</i> , 2003, 651, 413-457.	2.5	4
4026	RG study of a non-local sine-Gordon model. <i>Nuclear Physics B</i> , 2003, 663, 591-604.	2.5	3
4027	Novel hydrogen storage properties of MoS ₂ nanotubes. <i>Journal of Alloys and Compounds</i> , 2003, 356-357, 413-417.	5.5	83
4028	Electrochemical determination of 8-azaguanine in human urine at a multi-carbon nanotubes modified electrode. <i>Microchemical Journal</i> , 2003, , .	4.5	0
4030	Use of epoxy/multiwalled carbon nanotubes as adhesives to join graphite fibre reinforced polymer composites. <i>Nanotechnology</i> , 2003, 14, 791-793.	2.6	214
4031	Material Investigation and Optical Limiting Properties of Carbon Nanotube and Nanoparticle Dispersions. <i>Journal of Physical Chemistry B</i> , 2003, 107, 958-964.	2.6	97
4032	Imaging helical potassium hexaniobate nanotubes. <i>Applied Physics Letters</i> , 2003, 83, 1638-1640.	3.3	23
4033	Large-Scale Synthesis of Aligned Carbon Nanotubes Using FeCl ₃ as Floating Catalyst Precursor. <i>Chemistry of Materials</i> , 2003, 15, 580-585.	6.7	50

#	ARTICLE	IF	CITATIONS
4034	Measurement of carbon nanotube–polymer interfacial strength. Applied Physics Letters, 2003, 82, 4140-4142.	3.3	498
4035	Direct growth of aligned carbon nanotube field emitter arrays onto plastic substrates. Applied Physics Letters, 2003, 83, 4661-4663.	3.3	164
4036	Growth mechanisms in chemical vapour deposited carbon nanotubes. Nanotechnology, 2003, 14, 655-660.	2.6	83
4037	Local Softness versus Local Density of States as Reactivity Index. Journal of Physical Chemistry A, 2003, 107, 6837-6842.	2.5	27
4038	Curvature-Induced Metallization of Double-Walled Semiconducting Zigzag Carbon Nanotubes. Physical Review Letters, 2003, 91, 216801.	7.8	74
4039	Are Bulk Defective Carbon Nanotubes Less Electrically Conducting?. Nano Letters, 2003, 3, 549-553.	9.1	86
4040	Fabrication of boehmite AlOOH and γ -Al ₂ O ₃ nanotubes via a soft solution route. Journal of Materials Chemistry, 2003, 13, 660-662.	6.7	128
4041	Variations of the Geometries and Band Gaps of Single-Walled Carbon Nanotubes and the Effect of Charge Injection. Journal of Physical Chemistry B, 2003, 107, 6924-6931.	2.6	88
4042	Inorganic nanotubesThe illustration of John Dalton (reproduced courtesy of the Library and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 432 T which led to the determination of atomic weights for hydrogen, nitrogen, carbon, oxygen, phosphorus and sulfur.. Dalton Transactions, 2003,, 1-24.	3.3	398
4043	In-Situ Formation of ZnO Nanobelts and Metallic Zn Nanobelts and Nanodisks. Journal of Physical Chemistry B, 2003, 107, 9701-9704.	2.6	44
4044	Raman Characterization and Tunable Growth of Double-Wall Carbon Nanotubes. Journal of Physical Chemistry B, 2003, 107, 8760-8764.	2.6	21
4045	Large-Scale Synthesis and Characterization of Helically Coiled Carbon Nanotubes by Use of Fe(CO) ₅ as Floating Catalyst Precursor. Chemistry of Materials, 2003, 15, 3170-3175.	6.7	107
4046	Mechanistic Investigation on Salt-Mediated Formation of Free-Standing Co ₃ O ₄ Nanocubes at 95 Å°C. Journal of Physical Chemistry B, 2003, 107, 926-930.	2.6	150
4047	Synthesis, argon/hydrogen storage and magnetic properties of boron nitride nanotubes and nanocapsules. Diamond and Related Materials, 2003, 12, 840-845.	3.9	71
4048	Fabrication and magnetic properties of ultrathin Fe nanowire arrays. Applied Physics Letters, 2003, 83, 3341-3343.	3.3	122
4049	Nanotechnology at Present and its Promise for the Future. Materials Science Forum, 2003, 414-415, 85-94.	0.3	16
4050	Ground-state properties of nanographite systems with zigzag edges. Physical Review B, 2003, 68, .	3.2	103
4051	Electronic structure of multiwall boron nitride nanotubes. Physical Review B, 2003, 67, .	3.2	99

#	ARTICLE	IF	CITATIONS
4052	Formation of an array of isolated alumina nanotubes. Europhysics Letters, 2003, 62, 595-599.	2.0	22
4053	Modeling of the Elastic Behavior of Double-Walled Carbon Nanotubes. , 2003, , .		0
4054	The Effective Continuum Properties of Carbon and Inorganic Nanotubes. , 2003, , .		0
4055	Growth and Characterization of Multi-Walled Carbon Nanotubes at NASA Glenn Research Center. , 2003, , .		2
4056	Carbon Nanotube Technology in Aircraft Structures and the Potential Impact on Aviation. , 2003, , .		1
4057	Stability and electronic structure of AlN nanotubes. Physical Review B, 2003, 68, .	3.2	148
4058	Ultra-low-power and high-frequency-response carbon nanotube based mems thermal sensors. , 0, , .		6
4059	Transistor structures for the study of scaling in carbon nanotubes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 2856.	1.6	21
4060	A study on the effect of surface treatment of carbon nanotubes for liquid crystalline epoxideâ€“carbon nanotube composites. Journal of Materials Chemistry, 2003, 13, 676-681.	6.7	111
4061	Theoretical analysis of external diameter distributions of carbon nanotubes by CVD. Diamond and Related Materials, 2003, 12, 1862-1866.	3.9	8
4062	Uniform carbon spheres of high purity prepared on kaolin by CCVD. Diamond and Related Materials, 2003, 12, 1368-1372.	3.9	30
4063	Dynamicalâ€“mechanical and thermal analysis of carbon nanotubeâ€“methyl-ethyl methacrylate nanocomposites. Journal Physics D: Applied Physics, 2003, 36, 1423-1428.	2.8	106
4064	Selected-Control Synthesis of PbO ₂ and Pb ₃ O ₄ Single-Crystalline Nanorods. Journal of the American Chemical Society, 2003, 125, 4982-4983.	13.7	138
4065	From Pure Carbon to Silicon~Carbon Nanotubes:â€“ An Ab-initio Study. Nano Letters, 2003, 3, 1481-1484.	9.1	193
4066	Electron field emission from carbon nanotubes and undoped nano-diamond. Diamond and Related Materials, 2003, 12, 8-14.	3.9	46
4067	A Solvothermal Route to High-Surface-Area Nanostructured MoS ₂ . Chemistry of Materials, 2003, 15, 4498-4502.	6.7	62
4068	Probing electrical transport in nanowires: current maps of individual V ₂ O ₅ nanofibres with scanning force microscopy. Nanotechnology, 2003, 14, 134-137.	2.6	11
4069	Specific heat of single-walled carbon nanotubes. Physical Review B, 2003, 68, .	3.2	51

#	ARTICLE	IF	CITATIONS
4070	Science and Technology of the Twenty-First Century: Synthesis, Properties, and Applications of Carbon Nanotubes. Annual Review of Materials Research, 2003, 33, 419-501.	9.3	871
4071	Functionalized surfaces based on polymers and carbon nanotubes for some biomedical and optoelectronic applications. Nanotechnology, 2003, 14, 1081-1097.	2.6	87
4072	A semi-analytic method for studying optical properties of aligned carbon nanotubes. Nanotechnology, 2003, 14, 1180-1186.	2.6	11
4073	Bonding and Energy Dissipation in a Nanohook Assembly. Physical Review Letters, 2003, 91, 165503.	7.8	26
4074	Complex structure of carbon nanotubes and their implications for formation mechanism. Journal of Applied Physics, 2003, 93, 9972-9976.	2.5	28
4075	Long Bi ₂ S ₃ nanowires prepared by a simple hydrothermal method. Nanotechnology, 2003, 14, 974-977.	2.6	94
4076	Computational Materials: Modeling and Simulation of Nanostructured Materials and Systems. , 2003, , .		19
4077	Carbon species confined inside carbon nanotubes: a density functional study. Physical Review B, 2003, 68, .	3.2	79
4078	Synthesis and Characterization of Faceted Hexagonal Aluminum Nitride Nanotubes. Journal of the American Chemical Society, 2003, 125, 10176-10177.	13.7	327
4079	Magnetism in All-Carbon Nanostructures with Negative Gaussian Curvature. Physical Review Letters, 2003, 91, 237204.	7.8	200
4080	Fabrication and I-V characterization of carbon nanotube single electron transistor operated at room temperature. , 0, , .		0
4081	Single-Wall Nanostructured Carbon for Methane Storage. Journal of Physical Chemistry B, 2003, 107, 4681-4684.	2.6	199
4082	Tensile strength of carbon nanotubes under realistic temperature and strain rate. Physical Review B, 2003, 67, .	3.2	189
4083	Formation of metallic zinc nanowires. Journal of Applied Physics, 2003, 93, 4807-4809.	2.5	46
4084	Simulation study of carbon nanotubes field emission display with triode structure. , 0, , .		0
4085	Energetics and π -electronic structure of polyhex nanotubes. Physical Chemistry Chemical Physics, 2003, 5, 4210-4214.	2.8	5
4086	New nanotube synthesis strategy ? application of sodium nanotubes formed inside anodic aluminium oxide as a reactive template. Chemical Communications, 2003, , 1964.	4.1	12
4087	Synthesis of sp ² carbon nano- and microrods with novel structure and morphology. Journal of Materials Chemistry, 2003, 13, 981-982.	6.7	15

#	ARTICLE	IF	CITATIONS
4088	Study of carbon nanotubesâ€“HRP modified electrode and its application for novel on-line biosensors. Analyst, The, 2003, 128, 249-254.	3.5	98
4089	The pico-Newton order force measurement with a calibrated carbon nanotube probe. , 0, , .		2
4090	Synthesis and characterization of MgAl ₂ O ₄ spinel nanowires. Journal of Materials Chemistry, 2003, 13, 2649.	6.7	18
4091	A novel nanostructure of nickel nanotubes encapsulated in carbon nanotubes. Chemical Communications, 2003, , 208-209.	4.1	29
4092	Binary solvent mixture adsorption as a characterisation tool to determine the hydrophilic/hydrophobic properties of multiwall carbon nanotubes. Chemical Communications, 2003, , 2746.	4.1	5
4093	Microstructural investigation and magnetic properties of CoFe ₂ O ₄ nanowires synthesized inside carbon nanotubes. Physical Chemistry Chemical Physics, 2003, 5, 3716-3723.	2.8	63
4094	A self-seeded, surfactant-directed hydrothermal growth of single crystalline lithium manganese oxide nanobelts from the commercial bulky particlesElectronic supplementary information (ESI) available: SEM images of commercial lithium manganese oxide bulky particles and the products synthesized under different conditions as well as lithium manganese oxide nanobelts, Se nanorods and MnO ₂ nanorods grown on the bulky particles and Te nanotubes. See http://www.rsc.org/suppdata/cc/b3/b310998d/ . Chemical Communications, 2003, , 2910.	4.1	48
4095	Perylene nanotubes fabricated by the template method. Chemical Communications, 2003, , 2442-2443.	4.1	63
4096	Tower-like structure of ZnO nanocolumns. Chemical Communications, 2003, , 1304.	4.1	50
4097	Immobilization of rutile TiO ₂ on multiwalled carbon nanotubes. Journal of Materials Chemistry, 2003, 13, 1517.	6.7	59
4098	Ideal tensile strength and band gap of single-walled carbon nanotubes. Physical Review B, 2003, 68, .	3.2	179
4099	Bulk carbon nanotubes as sensing element for temperature and anemometry micro sensing. , 0, , .		25
4100	Synthesis of mesoporous carbon nanotubes and their application in gas phase benzene hydrogenation. Studies in Surface Science and Catalysis, 2003, , 689-692.	1.5	1
4101	Fabrication of SiCâ€“C coaxial nanocables: thickness control of C outer layers. Chemical Communications, 2003, , 2634-2635.	4.1	30
4102	Synthesis of NiCl ₂ nanotubes and fullerene-like structures by laser ablation: theoretical considerations and comparison with MoS ₂ nanotubes. Physical Chemistry Chemical Physics, 2003, 5, 1644-1651.	2.8	48
4103	Electron mobility of a semiconducting carbon nanotube. , 0, , .		3
4104	New driving method for triode CNT-FED. , 0, , .		3
4105	Cutting of multiwalled carbon nanotubes by a negative voltage tip of an atomic force microscope: A possible mechanism. Physical Review B, 2003, 68, .	3.2	53

#	ARTICLE	IF	CITATIONS
4106	Double gates structure carbon nanotube field emission display. , 0, , .		1
4107	Room-temperature fabrication of high-resolution carbon nanotube field-emission cathodes by self-assembly. Applied Physics Letters, 2003, 82, 2521-2523.	3.3	71
4108	Crystalline boron nanowires. Applied Physics Letters, 2003, 82, 272-274.	3.3	53
4109	Bundled carbon nanotubes as electronic circuit and sensing elements. , 0, , .		7
4110	Effects of carbon-containing gases on the field-emission current of multiwalled carbon-nanotube arrays. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1202-1204.	2.1	20
4111	ELECTRONIC STRUCTURE OF THE FINITE-SIZED SINGLE-WALLED CARBON NANOTUBES. International Journal of Nanoscience, 2003, 02, 141-152.	0.7	8
4112	Temperature measurement using a gallium-filled carbon nanotube nanothermometer. Applied Physics Letters, 2003, 83, 2913-2915.	3.3	74
4113	Growth and Properties of Single-Walled Carbon Nanotubes. , 2003, , 1219-1250.		0
4114	Fluorination of carbon nanotubes in CF ₄ plasma. Applied Physics Letters, 2003, 83, 2426-2428.	3.3	141
4115	High-concentration nitrogen-doped carbon nanotube arrays. Nanotechnology, 2003, 14, 931-934.	2.6	30
4116	Regularly coiled carbon nanotubes. IEEE Nanotechnology Magazine, 2003, 2, 362-367.	2.0	11
4117	Eigenstates and transmission coefficients of finite-sized carbon nanotubes. Journal of Chemical Physics, 2003, 119, 2854-2873.	3.0	34
4118	Fabrication of Carbon Nanotubes. Analytical Letters, 2003, 36, 3119-3145.	1.8	79
4119	Gated field emitter using carbon nanotubes for vacuum microelectronic devices. , 0, , .		3
4120	A rational complexing-reduction route to antimony nanotubes. New Journal of Chemistry, 2003, 27, 1161.	2.8	38
4121	Topotactic redox reactions of copper(ii) and iron(iii) salts within VO _x nanotubes. Journal of Materials Chemistry, 2003, 13, 385-393.	6.7	69
4122	Ring opening metathesis polymerization on non-covalently functionalized single-walled carbon nanotubesElectronic supplementary information (ESI) available: full experimental details for compounds 2â€“4, nanotube preparation and microscopy analysis. See http://www.rsc.org/suppdata/cc/b2/b211194b/ . Chemical Communications, 2003, , 190-191.	4.1	150
4123	Synthesis of high quality inorganic fullerene-like BN hollow spheres via a simple chemical routeElectronic supplementary information (ESI) available: XPS spectrum of as-prepared h-BN. See http://www.rsc.org/suppdata/cc/b3/b308264d/ . Chemical Communications, 2003, , 2688.	4.1	49

#	ARTICLE	IF	CITATIONS
4124	A novel non-template solution approach to fabricate ZnO hollow spheres with a coordination polymer as a reactantElectronic supplementary information (ESI) available: X-ray photoelectron spectra and energy-dispersive X-ray analysis of the products. See http://www.rsc.org/suppdata/nj/b3/b304787c/ . New Journal of Chemistry, 2003, 27, 1518.	2.8	68
4125	CdSe-Filled silica nanotubes. Chemical Communications, 2003, , 2572.	4.1	14
4126	Direct synthesis of amorphous silicon dioxide nanowires and helical self-assembled nanostructures derived therefrom. Journal of Materials Chemistry, 2003, 13, 3058.	6.7	42
4127	Transportation of silver nanopaticles in nanochannels of carbon nanotubes with supercritical waterElectronic supplementary information (ESI) available: Fig. S1. Ag nanoparticle drawn into MWNTs showing characteristic lattice fringes. See http://www.rsc.org/suppdata/cc/b3/b306540e/ . Chemical Communications, 2003, , 2362.	4.1	8
4128	Direct observation of boron nitride nanocage growth by molecular beam nitridation and liquid-like motion of FeB nanoparticles. Journal of Materials Chemistry, 2003, 13, 2573-2576.	6.7	12
4129	Towards total dissolution of full length unmodified carbon nanotubes (CNT) and its application to fabrication of ultra-thin CNT films at the water/air interface. Journal of Materials Chemistry, 2003, 13, 1244.	6.7	1
4130	Controlled growth of carbon nanotubes over cobalt nanoparticles by thermal chemical vapor deposition. Journal of Materials Chemistry, 2003, 13, 2297.	6.7	48
4131	Consolidation of Multi-Walled Carbon Nanotube and Hydroxyapatite Coating by the Spark Plasma System (SPS). Key Engineering Materials, 2004, 254-256, 395-398.	0.4	15
4132	Fabrication and Properties of Carbon Nanotube/SiO ₂ Composites. Key Engineering Materials, 2003, 249, 1-4.	0.4	10
4133	Effect of Catalyst Preparation on Carbon Nanotube Growth. Molecular Simulation, 2003, 29, 667-670.	2.0	4
4134	Vacuum Electron-Beam Evaporation of Fe Nanocrystals on Si ₃ N ₄ Buffer Layer for carbon Nanotube Growth. Chinese Physics Letters, 2003, 20, 301-303.	3.3	6
4135	Effect of Surfactants on the Properties of Carbon Nanotube-Reinforced SiO ₂ Matrix Composites. Key Engineering Materials, 2003, 249, 61-64.	0.4	3
4136	Structural and optical properties of CdSe, CdTe and CdSeTe nanoparticles dispersed in SiO ₂ films. Materials Research Society Symposia Proceedings, 2003, 789, 222.	0.1	1
4137	Laser-induced effects in Raman spectra of single-wall carbon nanotubes. Quantum Electronics, 2003, 33, 645-650.	1.0	19
4138	A Semiempirical Study of Carbon Nanotubes with Finite Tubular Length and Various Tubular Diameters. Journal of the Chinese Chemical Society, 2003, 50, 939-945.	1.4	13
4139	Growth of Carbon Nanotubes Using Uniformly Distributed Cobalt Nanoparticles as Catalyst: Controlled Growth and Structural Characterization. Materials Research Society Symposia Proceedings, 2003, 788, 3191.	0.1	1
4140	Seeded and Non-Seeded Methods to Make Metallic Nanorods and Nanowires in Aqueous Solution. Materials Research Society Symposia Proceedings, 2003, 789, 35.	0.1	0
4141	Carbon Nanotubes and Nanofibers Grown by Microwave Plasma Enhanced Chemical Vapor Deposition on a Nickel Substrate. Materials Research Society Symposia Proceedings, 2003, 788, 12121.	0.1	0

#	ARTICLE	IF	CITATIONS
4142	Low-temperature route to nanoscale P ₃ N ₅ hollow spheres. Journal of Materials Research, 2003, 18, 2359-2363.	2.6	34
4143	Nanocomposite Material for Sensing of Halogenated Methanes: A Model Based on Charge Transfer Interaction for Selectivity. Materials Research Society Symposia Proceedings, 2003, 788, 1041.	0.1	2
4144	Preparation and Characterization of Multiwalled Carbon Nanotubes Grown Directly onto a Conducting Support. Electrochemical and Solid-State Letters, 2003, 6, A56.	2.2	9
4145	Melt mixing of polycarbonate/multi-wall carbon nanotube composites. Composite Interfaces, 2003, 10, 389-404.	2.3	198
4146	Discovery of Carbon Nanowires Formed on a Carbon-Doped Ni(111) Substrate by a Bulk-to-Surface Precipitation Process. Japanese Journal of Applied Physics, 2003, 42, 1391-1394.	1.5	18
4147	Observation and formation mechanism of stable face-centered-cubic Fe nanorods in carbon nanotubes. Journal of Materials Research, 2003, 18, 1104-1108.	2.6	41
4148	Mechanical properties of blended single-wall carbon nanotube composites. Journal of Materials Research, 2003, 18, 1849-1853.	2.6	70
4149	Synthesis of hierarchical zinc oxide nanotubes. Journal of Materials Research, 2003, 18, 2845-2850.	2.6	12
4150	Controlled Structure of Gallium Oxide and Indium Oxide Nanowires. Materials Research Society Symposia Proceedings, 2003, 789, 103.	0.1	2
4151	Control of Morphology and Growth Direction of Gallium Nitride Nanostructures. Materials Research Society Symposia Proceedings, 2003, 789, 109.	0.1	0
4152	Chemical bonding of multiwalled carbon nanotubes to SU-8 via ultrasonic irradiation. Smart Materials and Structures, 2003, 12, 260-263.	3.5	36
4153	Novel properties of 0.4 nm single-walled carbon nanotubes templated in the channels of AlPO ₄ -5 single crystals. New Journal of Physics, 2003, 5, 146-146.	2.9	31
4154	Low Potential Stable Glucose Detection at Carbon Nanotube Modified Gold Electrodes. Materials Research Society Symposia Proceedings, 2003, 788, 3461.	0.1	0
4155	Effect of Mo Doping and Heat Treatment on Microstructure and Electrochemical Performance of Vanadium Oxide Nanotubes. Materials Research Society Symposia Proceedings, 2003, 788, 11361.	0.1	0
4156	Magnetic Structure of Nano-Graphite Möbius Ribbon. Journal of the Physical Society of Japan, 2003, 72, 998-1001.	1.6	66
4157	Electrochemistry at Carbon Nanotube Electrodes. Reviews in Analytical Chemistry, 2003, 22, 19-34.	3.2	45
4158	Nitrogen adsorption on carbon nanotube bundles: Role of the external surface. Physical Review B, 2003, 68, .	3.2	62
4159	Elastic deformation of helical-conical boron nitride nanotubes. Journal of Chemical Physics, 2003, 119, 3436-3440.	3.0	15

#	ARTICLE	IF	CITATIONS
4160	Conformational behavior of a single polymer chain confined by a two-dimensional harmonic potential in good solvents. Journal of Chemical Physics, 2003, 119, 10428-10437.	3.0	6
4161	Energetics and electronic structure of a polyacetylene chain contained in a carbon nanotube. Physical Review B, 2003, 67, .	3.2	52
4162	Properties of boron carbide nanotubes: Density-functional-based tight-binding calculations. Physical Review B, 2003, 67, .	3.2	16
4163	Electronic and optical properties of alkali-metal-intercalated single-wall carbon nanotubes. Physical Review B, 2003, 67, .	3.2	93
4164	Resonant spin current in nanotube double junctions. Physical Review B, 2003, 67, .	3.2	7
4165	Manipulation of fullerene-induced impurity states in carbon peapods. Physical Review B, 2003, 68, .	3.2	25
4166	Temperature dependence of resonant Raman scattering in double-wall carbon nanotubes. Applied Physics Letters, 2003, 82, 3098-3100.	3.3	69
4167	Electron field emission properties of carbon nanotubes during thermal heating and laser irradiation. Journal of Applied Physics, 2003, 94, 7739.	2.5	18
4168	Oxygenation of carbon nanotubes: Atomic structure, energetics, and electronic structure. Physical Review B, 2003, 67, .	3.2	109
4169	Energetics and electronic structures of one-dimensional fullerene chains encapsulated in zigzag nanotubes. Physical Review B, 2003, 68, .	3.2	108
4170	Plasmon excitations in cylindrical wires by external charged particles. Physical Review B, 2003, 68, .	3.2	55
4171	Fabrication of a single-electron inverter in multiwall carbon nanotubes. Applied Physics Letters, 2003, 82, 3307-3309.	3.3	62
4172	Tailoring structure and electrical properties of carbon nanotubes using kilo-electron-volt ions. Applied Physics Letters, 2003, 83, 3581-3583.	3.3	104
4173	Self-Organized One-Dimensional Electron Systems on a Low-Symmetry Oxide Surface. Physical Review Letters, 2003, 90, 236803.	7.8	5
4174	Metal-to-Semiconductor Transition in Squashed Armchair Carbon Nanotubes. Physical Review Letters, 2003, 90, 156601.	7.8	138
4175	Direct Observation of Localized Defect States in Semiconductor Nanotube Junctions. Physical Review Letters, 2003, 90, 216107.	7.8	100
4176	Spectral Correlation in Incommensurate Multiwalled Carbon Nanotubes. Physical Review Letters, 2003, 90, 026601.	7.8	60
4177	Quantum Conductance Steps in Solutions of Multiwalled Carbon Nanotubes. Physical Review Letters, 2003, 90, 106603.	7.8	91

#	ARTICLE	IF	CITATIONS
4178	Towards batch fabrication of bundled carbon nanotube thermal sensors. , 0, , .		15
4179	What is the Ground-State Structure of the Thinnest Si Nanowires?. Physical Review Letters, 2003, 91, 035501.	7.8	108
4180	Electron spin resonance of doped chalcogenide nanotubes. Physical Review B, 2003, 67, .	3.2	21
4181	Materials in nanotechnology: New structures, new properties, new complexity. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, S194-S206.	2.1	15
4182	Quasiparticle band structure of carbon nanotubes. Physical Review B, 2003, 68, .	3.2	111
4183	Tris-(8-hydroxyquinoline) aluminum nanoparticles prepared by vapor condensation. Applied Physics Letters, 2003, 83, 347-349.	3.3	40
4184	Magnetoelectronic excitations in single-walled carbon nanotubes. Physical Review B, 2003, 67, .	3.2	28
4185	Ring formation of single-walled carbon nanotubes:â€œ,â€œCompetition between conformation energy and entropy. Physical Review B, 2003, 68, .	3.2	23
4186	Coulomb blockade oscillation in a multiwalled carbon nanotube with internanotube tunnel junctions. Applied Physics Letters, 2003, 83, 1429-1431.	3.3	10
4187	Interference fringes observed in electron emission patterns of a multi-wall carbon nanotube. , 0, , .		0
4188	Comment on â€œIntrinsic electron transport properties of carbon nanotube Y-junctionsâ€•[Appl. Phys. Lett.81, 5234 (2002)]. Applied Physics Letters, 2003, 83, 1674-1675.	3.3	9
4189	Optical properties of aligned carbon nanotubes. Physical Review B, 2003, 68, .	3.2	15
4190	Fast characterization of magnetic impurities in single-walled carbon nanotubes. Applied Physics Letters, 2003, 83, 4601-4603.	3.3	21
4191	Quantum conductance of a carbon nanotube superlattice. Physical Review B, 2003, 68, .	3.2	19
4192	Magnetoelectronic and optical properties of carbon nanotubes. Physical Review B, 2003, 67, .	3.2	85
4193	Magnetron-type radio-frequency plasma control yielding vertically well-aligned carbon nanotube growth. Applied Physics Letters, 2003, 83, 1119-1121.	3.3	61
4194	Effect of bending instabilities on the measurements of mechanical properties of multiwalled carbon nanotubes. Physical Review B, 2003, 67, .	3.2	48
4195	Liquid-gas transition of neon in quasi-one-dimensional environments. Physical Review B, 2003, 68, .	3.2	4

#	ARTICLE	IF	CITATIONS
4196	Freezing in one-dimensional liquids. Journal of Chemical Physics, 2003, 118, 7973-7980.	3.0	12
4197	Formation of quantum structures on a single nanotube by modulating hydrogen adsorption. Physical Review B, 2003, 68, .	3.2	29
4198	Quantum dents by gas atoms: Effects of the collisions on the electrical transport properties of nanostructures. Physical Review B, 2003, 68, .	3.2	0
4199	Ab initio study of Ti-contacted single-walled carbon nanotube. Physical Review B, 2003, 68, .	3.2	15
4200	Self-embedded nanocrystalline chromium carbides on well-aligned carbon nanotips. Applied Physics Letters, 2003, 82, 4337-4339.	3.3	7
4201	Ab initio quantum chemical calculations for fullerene cages with large holes. Journal of Chemical Physics, 2003, 119, 10073-10080.	3.0	54
4202	Far-infrared absorption spectra and properties of SnO ₂ nanorods. Applied Physics Letters, 2003, 82, 260-262.	3.3	27
4203	Binding energy of parallel carbon nanotubes. Applied Physics Letters, 2003, 83, 3570-3571.	3.3	71
4204	Preferential formation of neutral C ₁₀ upon laser vaporized graphite in He gas as studied by photoionization mass spectroscopy with 10.5 eV photons. Journal of Chemical Physics, 2003, 118, 5390-5394.	3.0	10
4205	Crystallization behavior of amorphous Fe-P strengthened with embedded carbon nanotubes. Journal of Applied Physics, 2003, 93, 1748-1752.	2.5	3
4206	Plasma coating of carbon nanofibers for enhanced dispersion and interfacial bonding in polymer composites. Applied Physics Letters, 2003, 83, 5301-5303.	3.3	137
4207	Endohedral motions inside capped single-walled carbon nanotubes. Journal of Chemical Physics, 2003, 118, 4456-4462.	3.0	7
4208	Fabrication of nanometer-scale mechanical devices incorporating individual multiwalled carbon nanotubes as torsional springs. Applied Physics Letters, 2003, 82, 805-807.	3.3	82
4209	Conductance measurement of single-walled carbon nanotubes in aqueous environment. Applied Physics Letters, 2003, 82, 2338-2340.	3.3	32
4210	Specific heats of dilute neon inside a long single-walled carbon nanotube. Journal of Physics Condensed Matter, 2003, 15, 6759-6771.	1.8	4
4211	Assignment of chiral vectors in carbon nanotubes. Physical Review B, 2003, 68, .	3.2	54
4212	Electrostatic method to accelerate nanoshells to extreme hypervelocity. Applied Physics Letters, 2003, 83, 1662-1664.	3.3	3
4213	Itinerant ferromagnetism in heterostructured C/BN nanotubes. Physical Review B, 2003, 67, .	3.2	75

#	ARTICLE	IF	CITATIONS
4214	Ground-state properties of one-dimensional matter and quantum dissociation of a Luttinger liquid. Physical Review B, 2003, 67, .	3.2	3
4215	Dynamics of Fullerene Coalescence. Physical Review Letters, 2003, 90, 065501.	7.8	59
4216	Electron-state control of carbon nanotubes by space and encapsulated fullerenes. Physical Review B, 2003, 67, .	3.2	103
4217	Synthetic characteristics of large carbon cluster ions by laser ablation of polymers in vacuum. Journal of Applied Physics, 2003, 93, 655-661.	2.5	6
4218	Molecular transport in nanopores. Journal of Chemical Physics, 2003, 119, 1719-1730.	3.0	66
4219	Enhancements of third-order nonlinear optical response in the triplet excited state of finite open single-walled carbon nanotubes. Journal of Chemical Physics, 2003, 119, 13100-13105.	3.0	11
4220	Single-walled Carbon Nanotubes Are a New Class of Ion Channel Blockers. Journal of Biological Chemistry, 2003, 278, 50212-50216.	3.4	291
4221	Novel Environmental Sorbents and Methods for their Characterization. , 2003, , 225-298.		0
4222	Progress in electronic materials characterization. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, S167-S174.	2.1	1
4223	Electrons on hexagonal lattices and applications to nanotubes. Physical Review B, 2003, 68, .	3.2	64
4224	Electromechanical effects in carbon nanotubes: Ab initio and analytical tight-binding calculations. Physical Review B, 2003, 67, .	3.2	64
4225	Structure and electronic states of capped carbon nanotubes by a tight-binding approach. Physical Review B, 2003, 67, .	3.2	4
4226	First-principles calculations for nitrogen-containing single-walled carbon nanotubes. Journal of Applied Physics, 2003, 94, 2398-2402.	2.5	93
4227	Self-assembled growth of single-walled carbon nanotubes by pyrolysis of metalorganic precursor. Applied Physics Letters, 2003, 82, 4794-4796.	3.3	27
4228	Intershell conductance in multiwall carbon nanotubes. Physical Review B, 2003, 67, .	3.2	67
4229	Functionalization of carbon nanotubes through the chemical binding of atoms and molecules. Physical Review B, 2003, 67, .	3.2	67
4230	Dimensional crossover of dilute neon inside infinitely long single-walled carbon nanotubes viewed from specific heats. Physical Review B, 2003, 68, .	3.2	5
4231	Improved field emission at electric-discharge-conditioned sites on diamond surfaces due to the formation of carbon nanotubes. Applied Physics Letters, 2003, 82, 4687-4689.	3.3	9

#	ARTICLE	IF	CITATIONS
4232	Singlet superconductivity phase in carbon nanotubes. Physical Review B, 2003, 68, .	3.2	20
4233	The synthesis of metal oxide nanowires by directly heating metal samples in appropriate oxygen atmospheres. Nanotechnology, 2003, 14, 738-741.	2.6	195
4234	The Application of Thermal Analysis to The Study of Carbons. Handbook of Thermal Analysis and Calorimetry, 2003, , 97-117.	1.6	0
4235	Multiwalled Nanotubes: Their Formation by Irradiating Graphite with High Doses of Electrons. Fullerenes Nanotubes and Carbon Nanostructures, 2003, 11, 285-294.	2.1	2
4236	Low Temperature Gas Phase Synthesis of Germanium Nanowires. Materials Research Society Symposia Proceedings, 2003, 789, 181.	0.1	0
4237	DC Josephson Current through Nano-Graphite Ribbons. Journal of the Physical Society of Japan, 2003, 72, 1010-1013.	1.6	12
4238	Morphology and electronic properties of carbon nanotubes grown with Fe catalyst. Journal of Materials Research, 2003, 18, 2451-2458.	2.6	9
4239	Chemical synthesis and characterization of boron/boron nitride core-shell nanostructures. Journal of Materials Research, 2003, 18, 1641-1645.	2.6	4
4240	Electronic properties of intercalated single-wall carbon nanotubes and C60peapods. New Journal of Physics, 2003, 5, 156-156.	2.9	43
4241	Low-temperature synthesis of large-scale arrays of aligned tungsten oxide nanorods. Journal of Physics Condensed Matter, 2003, 15, L453-L461.	1.8	65
4242	DETONATION OF MOLECULAR PRECURSORS AS A TOOL FOR THE ASSEMBLY OF NANO-SIZED MATERIALS. Modern Physics Letters B, 2003, 17, 1477-1493.	1.9	12
4243	ORGANO-HALOGEN USES FOR CONTROLLED CUTTING OF CARBON NANOTUBES. International Journal of Nanoscience, 2003, 02, 125-128.	0.7	5
4244	Mineral Liquid Crystals from Self-Assembly of Anisotropic Nanosystems. Topics in Current Chemistry, 2003, , 119-172.	4.0	85
4245	Synthesis of aligned bamboo-like carbon nanotubes using radio frequency magnetron sputtering. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 1437.	1.6	24
4246	SYNTHESIS OF 2D QUASI-ALIGNED MULTIWALLED CARBON NANOTUBES BY CATALYTIC CHEMICAL VAPOR DEPOSITION METHOD. International Journal of Nanoscience, 2003, 02, 153-164.	0.7	6
4247	Synthesis of Multiwalled Carbon Nanotubes in Large Scale at 470Å°C. International Journal of Nanoscience, 2003, 02, 1-6.	0.7	1
4248	Insulator-Coated Carbon Nanotubes Synthesized by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2003, 42, L1356-L1358.	1.5	24
4249	Thermal Regime of Catalyst Particles in Reactor for Production of Carbon Nanotubes. AIAA Journal, 2003, 41, 2130-2142.	2.6	5

#	ARTICLE	IF	CITATIONS
4250	HIGH FREQUENCY AHARONOVâ€™BOHM OSCILLATIONS IN CARBON NANOTUBES. Modern Physics Letters B, 2003, 17, 159-165.	1.9	0
4251	MECHANICS OF NANOTUBES FILLED WITH C60, C36 AND C20. International Journal of Modern Physics B, 2003, 17, 4667-4674.	2.0	28
4252	Band Structures of Carbon Nanotubes with Nanoscale Periodic Pores Depending on their Circumferences. International Journal of Nanoscience, 2003, 02, 109-116.	0.7	0
4253	Electron Correlation in Carbon Nanotubes: Superconductivity Versus Localization. International Journal of Modern Physics B, 2003, 17, 3648-3654.	2.0	1
4255	Microwaveâ€™Assisted Synthesis of a Soluble Single Wall Carbon Nanotube Derivative. Fullerenes Nanotubes and Carbon Nanostructures, 2003, 11, 25-34.	2.1	51
4256	A computational study of gas phase chemistry in carbon nanotube synthesis by PECVD. , 0, , .		2
4257	Nematic elastomers with aligned carbon nanotubes: New electromechanical actuators. Europhysics Letters, 2003, 64, 654-660.	2.0	176
4258	Electric field assisted deposition of nanowires from carbon nanotubes for nanoelectronics and sensor applications. , 0, , .		0
4259	Channeling of neutral particles in micro- and nanocapillaries. Physics-Uspekhi, 2003, 46, 1053-1075.	2.2	90
4260	Emerging Advances in Microelectronics, Optoelectronics and Bioelectronics. , 2003, , 1-145.		0
4261	Single-Walled Carbon Nanotubes for Nanoelectronics. , 2003, , 293-343.		4
4262	Prussian Blue Modified Carbon Nanotube Paste Electrodes: A Comparative Study and a Biochemical Application. Analytical Letters, 2003, 36, 1921-1938.	1.8	32
4263	Atomistic Simulation Study of Dislocations and Grain Boundaries in Nanoscale Semiconductors. Solid State Phenomena, 2003, 93, 375-380.	0.3	0
4264	Synthesis of boron nitride nanotubes by using NbB2, YB6 and YB6/Ni powders. Diamond and Related Materials, 2003, 12, 1912-1917.	3.9	19
4265	In situsplitting of carbon nanotube bundles with atomic force microscopy. Journal Physics D: Applied Physics, 2003, 36, 2050-2053.	2.8	10
4266	Defect Free Inner Tubes in DWCNTs. AIP Conference Proceedings, 2003, , .	0.4	6
4267	Polymer and Carbon Nanostructure Dispersions for Optical Limiting. AIP Conference Proceedings, 2003, , .	0.4	0
4268	Effective-Mass Theory of Electron Correlations in Band Structure of Semiconducting Carbon Nanotubes. Journal of the Physical Society of Japan, 2003, 72, 1698-1705.	1.6	36

#	ARTICLE	IF	CITATIONS
4269	Bulk carbon nanotube as thermal sensing and electronic circuit elements. , 0, , .		2
4270	Multi-walled carbon nanotube sensors. , 0, , .		1
4271	Measurements of the bi-linear elasticity of identical carbon nanotubes. , 0, , .		3
4272	Evaluation of carbon nanotubes as gas sensing materials in micro gas sensors. , 0, , .		0
4273	A noise suppressing saturable absorber at 1550 nm based on carbon nanotube technology. , 2003, , .		15
4274	Damping Characteristics of Carbon Nanotube Based Composites. , 2003, , 1925.		6
4275	Numerical Simulation of Gas Phase Reaction Chemistry in Methane-Hydrogen Mixtures. , 2003, , 899.		2
4276	Nanoassembly of Carbon Nanotubes through Mechanochemical Nanorobotic Manipulations. Japanese Journal of Applied Physics, 2003, 42, 295-298.	1.5	36
4277	Nanowire Formation and Selective Adhesion on Substrates by Single-Ion Track Reaction in Polysilanes. Japanese Journal of Applied Physics, 2003, 42, 4159-4161.	1.5	15
4278	Low-Temperature Growth of Carbon Nanotube by Plasma-Enhanced Chemical Vapor Deposition using Nickel Catalyst. Japanese Journal of Applied Physics, 2003, 42, 3578-3581.	1.5	15
4279	Film growth of pillars of multi-walled carbon nanotubes. Journal of Physics Condensed Matter, 2003, 15, L565-L569.	1.8	5
4280	From spatial symmetry to vibrational spectroscopy of single-walled nanotubes. Journal of Physics Condensed Matter, 2003, 15, S2489-S2500.	1.8	14
4281	Large-scale synthesis of arrays of high-aspect-ratio rigid vertically aligned carbon nanofibres. Nanotechnology, 2003, 14, 1029-1035.	2.6	67
4282	The tubular conical helix of graphitic boron nitride. New Journal of Physics, 2003, 5, 118-118.	2.9	10
4283	Carbon-Nanotube Field-Effect Transistors with Very High Intrinsic Transconductance. Japanese Journal of Applied Physics, 2003, 42, L1288-L1291.	1.5	30
4284	Novel nanostructures: hole-patterned nanowires and nanotubes of silicon oxide. Journal of Physics Condensed Matter, 2003, 15, 8177-8183.	1.8	1
4285	The Nano-Memory Devices of a Single Wall and Peapod Structural Carbon Nanotube Field Effect Transistor. Japanese Journal of Applied Physics, 2003, 42, 5392-5394.	1.5	21
4286	Symmetry of commensurate double-wall carbon nanotubes. Journal of Physics A, 2003, 36, 10349-10360.	1.6	9

#	ARTICLE	IF	CITATIONS
4287	Controlled Growth of Carbon Nanotubes and its Field Emission Properties. Chinese Physics Letters, 2003, 20, 1991-1993.	3.3	6
4288	Improved Electric Transport Properties of a Multi-wall carbon Nanotube. Chinese Physics Letters, 2003, 20, 1333-1335.	3.3	1
4289	Ferric-sulfate-catalysed hot filament chemical vapour deposition carbon nanotube synthesis. Nanotechnology, 2003, 14, 925-930.	2.6	8
4290	Quantum numbers and band topology of nanotubes. Journal of Physics A, 2003, 36, 5707-5717.	1.6	19
4291	On x-ray channelling in microcapillaries and nanocapillaries. Journal of Physics Condensed Matter, 2003, 15, 3171-3180.	1.8	10
4292	Transforming a thin silica layer into nanowires. Journal of Physics Condensed Matter, 2003, 15, L505-L510.	1.8	3
4293	Charge dynamics in low-dimensional quantum systems. Journal of Physics Condensed Matter, 2003, 15, S2501-S2511.	1.8	0
4294	Bias-enhanced growth of carbon nanotubes directly on metallic wires. Nanotechnology, 2003, 14, 109-112.	2.6	16
4295	Suppression of leakage current via formation of a sidewall protector in the microgated carbon nanotube emitter. Nanotechnology, 2003, 14, 497-500.	2.6	9
4296	CARBON NANOTUBES AS A PERFECTLY CONDUCTING CYLINDER. International Journal of High Speed Electronics and Systems, 2003, 13, 849-871.	0.7	2
4297	Hypothetical silicon nanotubes under axial compression. Nanotechnology, 2003, 14, 402-408.	2.6	26
4298	Optical Spectra of AB- and AA-Stacked Nanographite Ribbons. Journal of the Physical Society of Japan, 2003, 72, 170-177.	1.6	32
4299	Electronic States of BCN Alloy Nanotubes in a Simple Tight-Binding Model. Journal of the Physical Society of Japan, 2003, 72, 2656-2664.	1.6	52
4300	Field emitter using multiwalled carbon nanotubes grown on the silicon tip region by microwave plasma-enhanced chemical vapor deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 391.	1.6	11
4301	Growth and evaluation of nanostructured carbon films for triode field emitter application. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 562.	1.6	9
4302	Effect of catalyst on growth behavior of carbon nanotubes synthesized by microwave heating thermal chemical vapor deposition process. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 400.	1.6	3
4303	Field emission characteristics of nodular carbon nanotubes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 1684.	1.6	4
4304	Excellent field emission from carbon nanotubes grown by microwave-heated chemical vapor deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 1655.	1.6	7

#	ARTICLE	IF	CITATIONS
4305	Electron field emission properties of carbon nanotubes grown on nickel caps. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 1640.	1.6	4
4306	Field emission from nonaligned carbon nanotubeâ€“polymer matrix cathodes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 1715.	1.6	14
4307	Room-temperature single-electron charging effects in an ambipolar single-walled carbon nanotube grown by chemical vapor deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 2848.	1.6	6
4308	Vertically aligned carbon nanotubes grown by plasma enhanced chemical vapor deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 2564.	1.6	23
4309	Room-Temperature Fabrication of High-Resolution Carbon Nanotube Field-Emission Cathodes by Self-Assembly. AIP Conference Proceedings, 2003, , .	0.4	0
4310	Preparation of Silicon-on-Insulator Substrate on Large Free-Standing Carbon Nanotube Film Formation by Surface Decomposition of SiC Film. Japanese Journal of Applied Physics, 2003, 42, 1717-1721.	1.5	12
4311	Electron field emission from boron nitride nanofilm and its application to graphite nanofiber. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2003, 21, 2212.	1.6	9
4312	Lattice dynamics and symmetry of double wall carbon nanotubes. New Journal of Physics, 2003, 5, 148-148.	2.9	39
4313	Carbon nanotubes, fillers, and FSS as potential EM absorbers. , 2003, , .		4
4314	Pico-Newton order force measurement using a calibrated carbon nanotube probe by electromechanical resonance. , 0, , .		8
4315	Microstereolithography for polymer-based based MEMS. , 2003, , .		0
4316	Three-phonon Umklapp process in zigzag single-walled carbon nanotubes. Journal of Physics Condensed Matter, 2003, 15, L341-L347.	1.8	26
4317	Time Evolution of Nucleation and Vertical Growth of Carbon Nanotubes during Plasma-Enhanced Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2003, 42, L1340-L1342.	1.5	12
4318	Synthesis of SnO ₂ nanobelts and their structural characterization. Journal Physics D: Applied Physics, 2003, 36, L21-L24.	2.8	19
4319	The study of the filling behaviour of carbon nanotubes using the radioactive-trace technique. Nanotechnology, 2003, 14, 1203-1207.	2.6	4
4320	Effect of Ion Bombardment on Microstructures of Carbon Nanotubes Grown by Electron Cyclotron Resonance Chemical Vapor Deposition at Low Temperatures. Japanese Journal of Applied Physics, 2003, 42, 1410-1413.	1.5	17
4321	Polymer- and carbon nanotube-based MEMS accelerometer with modified organic electronics and thin film transistor. , 2003, , .		3
4322	Regularly coiled carbon nanotubes. , 2003, , .		0

#	ARTICLE	IF	CITATIONS
4323	Comparative study of two polymer carbon nanotube composites using electron paramagnetic resonance and transmission electron microscopy. , 2003, , .		0
4324	Length control of carbon nanotubes through nanorobotic manipulations. , 0, , .		2
4325	Comparison of Fe/Al ₂ O ₃ and Fe,Co/Al ₂ O ₃ catalysts used for production of carbon nanotubes from acetylene by CCVD. , 2003, , .		3
4326	Large-scale microwave CVD system for synthesis of carbon nanotubes. , 2003, , .		0
4327	Power consumption of piezoelectric actuators with multiwalled carbon nanotube film deposition. , 2003, 5055, 215.		0
4328	Electrodynamics of quasi-one-dimensional carbon structures: waveguiding, nonlinear response, composites. , 2003, 5219, 11.		0
4329	Raman scattering in carbon nanotubes. , 2003, 5219, 45.		1
4330	Nanoengineering of carbon nanotubes for nanotools. New Journal of Physics, 2003, 5, 128-128.	2.9	53
4331	18.4: Field Emission Display Architecture based on Hopping Electron Transport. Digest of Technical Papers SID International Symposium, 2003, 34, 806.	0.3	9
4332	STM investigation of carbon nanotubes completely covered with functional groups. , 2003, , .		0
4333	Solid-state synthesis of multiwalled carbon nanotubes. Journal of Materials Research, 2003, 18, 941-949.	2.6	25
4334	Compound growth and microstructure of carbon nanotube. Journal of Materials Research, 2003, 18, 2459-2463.	2.6	1
4335	Densityâ€Functionalâ€Theory Calculation of Semiconducting Carbon Nanotubes under an External Electric Field. Journal of the Chinese Chemical Society, 2003, 50, 627-629.	1.4	1
4336	Influence of the Plasma Condition on the Morphology of Vertically Aligned Carbon Nanotube Films Grown by RF Plasma Chemical Vapor Deposition. Surface Review and Letters, 2003, 10, 611-615.	1.1	8
4337	Ferroelectric Lead Zirconate Titanate and Barium Titanate Nanoshell Tubes. Materials Research Society Symposia Proceedings, 2003, 782, 1.	0.1	4
4338	High-density aligned carbon nanotubes with uniform diameters. Journal of Materials Research, 2003, 18, 1686-1690.	2.6	26
4339	Carbon nanotube emitters for field emission displays. , 0, , .		0
4340	Molecular dynamics predictions for chemical modification of "nanopeapods" via ion beam deposition. , 0, , .		1

#	ARTICLE	IF	CITATIONS
4341	18.2: Field Emission from Carbon Nanotubes Selectively Grown on Stainless Steel Using a-Si Buffer Layer. Digest of Technical Papers SID International Symposium, 2003, 34, 798.	0.3	0
4342	Transitional behaviour in the transformation from active end planes to stable loops caused by annealing. New Journal of Physics, 2003, 5, 121-121.	2.9	35
4343	Nanosecond nonlinear optical extinction in dispersed multi walled carbon nanotubes excited at 532 nm. , 2003, , .		0
4344	Three-dimensional polymer MEMS with functionalized carbon nanotubes by microstereolithography. , 2003, , .		0
4345	UV-curable polymers with functionalized carbon nanotubes for MEMS. , 2003, , .		0
4346	18.3: Low Temperature Carbon Nanotubes for Triode-Type Field-Emitter Array. Digest of Technical Papers SID International Symposium, 2003, 34, 802.	0.3	4
4347	P-28: Flat Lamp Packaging Using Carbon-Nitrogen Nanofibers Obtained by Hot Isostatic Pressure. Digest of Technical Papers SID International Symposium, 2003, 34, 304.	0.3	0
4348	Injection Molding of Polystyrene Matrix Composites Filled with Vapor Grown Carbon Fiber. JSME International Journal Series A-Solid Mechanics and Material Engineering, 2003, 46, 353-358.	0.4	21
4349	Synthesis of Single-Walled Carbon Nanotubes and Characterization with Resonant Raman Scattering. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2003, 69, 1495-1502.	0.2	2
4350	Cross-linked Polymer Nanowires with Controlled Shape and Orientation by High Energy Single Ion Hitting. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2003, 16, 433-434.	0.3	9
4351	Onion-Like Nano Particles and Synthesis by Arc in Water. Journal of the Society of Powder Technology, Japan, 2003, 40, 19-24.	0.1	0
4352	Random-Matrix Approach to Quantum Electron Transport in Metallic Carbon Nanotubes. Journal of the Physical Society of Japan, 2003, 72, 2710-2713.	1.6	23
4353	Thermionic Electron Emission From Nanostructured Diamond. , 2003, , 431.		0
4354	Silicon-Based Nanotubes: A Theoretical Investigation. , 0, , 226-241.		0
4355	Porous Carbon. , 2003, , 109-127.		6
4356	Review of Polymer Composites with Carbon Nanotubes. , 2003, , .		0
4357	A Low-temperature in situ Template Reduction-Carbonization Route to TiC Submicrometer Hollow Spheres and Nanorods. Chemistry Letters, 2003, 32, 116-117.	1.3	10
4358	A Simple Route for the Synthesis of Rutile TiO2Nanorods. Chemistry Letters, 2003, 32, 638-639.	1.3	60

#	ARTICLE	IF	CITATIONS
4359	Optical limiting properties of carbon nanostructure and polymer dispersions. , 2003, 4991, 194.		0
4360	Three-dimensional polymer MEMS with functionalized carbon nanotubes by microstereolithography. , 2003, , .		0
4361	Structural and equivalent continuum properties of single-walled carbon nanotubes. International Journal of Materials and Product Technology, 2003, 18, 381.	0.2	47
4362	Isotope velocity differentiation in thin carbon nanotubes through quantum diffusion. Europhysics Letters, 2003, 63, 254-260.	2.0	3
4363	Features of Nanocarbons Based on Their Electronic Properties. Kobunshi, 2003, 52, 883-887.	0.0	0
4364	Rapid Synthesis of SnSe Nanowires via an Ethylenediamine-assisted Polyol Route. Chemistry Letters, 2003, 32, 426-427.	1.3	23
4365	Lectin-mediated Supramolecular Junctions of Galactose-derivatized Single-walled Carbon Nanotubes. Chemistry Letters, 2003, 32, 212-213.	1.3	34
4366	Synthesis of Novel Selenium Tubular Structure. Chemistry Letters, 2003, 32, 448-449.	1.3	14
4367	Reverse Micelle-assisted Route to Control Diameters of ZnO Nanorods by Selecting Different Precursors. Chemistry Letters, 2003, 32, 760-761.	1.3	23
4368	Ordered Nanowire Arrays of Metal Sulfides Templated by Mesoporous Silica SBA-15 via a Simple Impregnation Reaction. Chemistry Letters, 2003, 32, 824-825.	1.3	39
4369	A Novel in situ Template-controlled Route to CuS Nanorods via Transition Metal Liquid Crystals. Chemistry Letters, 2003, 32, 30-31.	1.3	42
4370	Microwave-polyol Preparation of Single-crystalline Gold Nanorods and Nanowires. Chemistry Letters, 2003, 32, 1140-1141.	1.3	53
4371	Magneto Energy Gap of a Single-Walled Carbon Nanotube. Journal of the Physical Society of Japan, 2003, 72, 454-455.	1.6	10
4372	Nanoscale Modeling and Simulation of Interfacial Bonding of Single-Walled Nanotube Reinforced Composites. , 2003, , 815.		0
4373	Soldering of Carbon Nanotube Bridges using Electron Beam Deposited Gold. Materials Research Society Symposia Proceedings, 2003, 772, 481.	0.1	1
4375	Self-Assembly Fabrication of High Performance Carbon Nanotubes Based FETs. Materials Research Society Symposia Proceedings, 2003, 772, 471.	0.1	7
4376	Synthesis of C and CN _x Nanotubes, Using the Aerosol Method. Materials Research Society Symposia Proceedings, 2003, 772, 261.	0.1	1
4377	Space and Nanotechnology: the Versatility of Nanotubes Based Materials. , 2003, , .		0

#	ARTICLE	IF	CITATIONS
4378	Advances in Cnx Nanotube Growth. Materials Research Society Symposia Proceedings, 2003, 772, 251.	0.1	1
4379	Growth and Characterization of Cobalt-filled Carbon Nanotubes Prepared by a Simple Catalytic Method. Materials Research Society Symposia Proceedings, 2003, 776, 8171.	0.1	0
4380	Processing of Transparent Polymer Nanotube Composites via Heat, UV Radiation and Ionizing (gamma) Radiation using Ultrasonication and Solvent Dissolution. Materials Research Society Symposia Proceedings, 2003, 772, 241.	0.1	0
4381	The Effects of Catalyst Grain Sizes on the Diameter of MPECVD Grown Patterned Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2003, 772, 351.	0.1	0
4382	Electric Field Induced Carbon Nanostructures for Electronics and High Surface Area applications. Materials Research Society Symposia Proceedings, 2003, 776, 11111.	0.1	0
4383	Integration of Carbon Nanotubes Devices Into Microelectronics. Materials Research Society Symposia Proceedings, 2003, 772, 451.	0.1	2
4384	Rheological, mechanical and tribological properties of carbon-nanofibre reinforced poly (ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	15
4385	Flame Synthesis of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2003, 772, 181.	0.1	2
4386	Structure and Property of Boron Nitride Nanotubes. Tanso, 2003, 2003, 14-20.	0.1	0
4387	Forced Convection in a Microchannel Heat Sink Using Carbon Nanotubes for Heat Transfer Enhancement. , 2004, , 227.		2
4388	Interaction between Inner and Outer Tubes in DWCNTs. AIP Conference Proceedings, 2004, , .	0.4	0
4389	C-5 Miniature X-ray Tubes Utilizing Carbon Nanotube-Based Cold Cathodes. Powder Diffraction, 2004, 19, 194-194.	0.2	6
4390	Formation of Carbon Nano-flakes by RF Magnetron Sputtering Method. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 82-86.	0.2	9
4391	The Moving Finger Writes: Carbon Nanotubes as AFM Probe Tips. Microscopy Today, 2004, 12, 34-37.	0.3	0
4392	Progress and effectiveness of structural models of carbons. Tanso, 2004, 2004, 274-284.	0.1	12
4393	MD Simulations of Catalytic Carbon Nanotube Growth: Important Features of the Metal-Carbon Interactions. AIP Conference Proceedings, 2004, , .	0.4	0
4394	The Concepts of Intelligent Macromolecules and Smart Devices. , 2004, , 1-37.		0
4395	Synthesis of Nanostructured Hybrid between Carbon Nanotube and Inorganic Material towards Nanodevice Application. E-Journal of Surface Science and Nanotechnology, 2004, 2, 244-255.	0.4	7

#	ARTICLE	IF	CITATIONS
4396	Point and linear defects in nanoscale periodic porous graphite. Journal Physics D: Applied Physics, 2004, 37, 925-931.	2.8	1
4397	Room temperature solid-state reaction—a convenient novel route to nanotubes of zinc sulfide. Nanotechnology, 2004, 15, 534-536.	2.6	33
4398	Blue Luminescence of CdS Nanowires Synthesized by Sulfurization. Chinese Physics Letters, 2004, 21, 959-962.	3.3	1
4399	Precise Control of Nanowire Formation Based on Polysilane for Photoelectronic Device Application. Japanese Journal of Applied Physics, 2004, 43, 3810-3814.	1.5	19
4400	Collisional Reactions of Energetic Methane Molecules with Single-Walled Carbon Nanotubes. Chinese Physics Letters, 2004, 21, 1044-1047.	3.3	0
4401	Nucleation and growth of feather-like boron nanowire nanojunctions. Nanotechnology, 2004, 15, 139-142.	2.6	22
4402	Mechanical integrity of carbon nanotubes for bending and torsion. Modelling and Simulation in Materials Science and Engineering, 2004, 12, 599-610.	2.0	58
4403	Anab initio study of manganese atoms and wires interacting with carbon nanotubes. Journal of Physics Condensed Matter, 2004, 16, 3647-3661.	1.8	16
4404	Single-Walled Carbon Nanotubes Acting as Controllable Transport Channels. Chinese Physics Letters, 2004, 21, 2388-2391.	3.3	7
4405	Fabrication of a carbon nanotube drive shaft component. Nanotechnology, 2004, 15, 551-554.	2.6	11
4406	Synthesis of two dimensional quasi-aligned carbon nanotube bundles by a catalytic chemical vapour deposition method—an inside story. Smart Materials and Structures, 2004, 13, N5-N8.	3.5	4
4407	Neutron-scattering characterization of nanostructured materials relevant to biotechnology. Nanotechnology, 2004, 15, S664-S671.	2.6	6
4408	Electric field induced alignment of carbon nanotubes grown by CVD. , 0, , .		0
4409	Interference fringes observed in electron emission patterns of a multiwalled carbon nanotube. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 1312.	1.6	12
4410	Simulation study of carbon nanotube field emission display with under-gate and planar-gate structures. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 1244.	1.6	18
4411	Synthesis of Carbon Nanofibers by Ion beam Irradiation of an Aromatic Compound. Japanese Journal of Applied Physics, 2004, 43, L862-L864.	1.5	3
4412	The Geometry of Nanoscale Carbon. Nanostructure Science and Technology, 2004, , 103-118.	0.1	1
4413	Ultra-Low-Threshold Field Electron Emission from Pillar Array of Aligned Carbon Nanotube Bundles. Japanese Journal of Applied Physics, 2004, 43, L774-L776.	1.5	46

#	ARTICLE	IF	CITATIONS
4414	Production of Carbon Mesocell by Arc Electric Discharge. Japanese Journal of Applied Physics, 2004, 43, 1655-1659.	1.5	3
4415	Growth of Carbon Nanotubes by Microwave-excited Non-Equilibrium Atmospheric-Pressure Plasma. Japanese Journal of Applied Physics, 2004, 43, 424-425.	1.5	18
4416	Sorption properties of carbon nanostructures. Physics-Uspekhi, 2004, 47, 1119-1154.	2.2	92
4417	Local Etching of Insulator-Coated Carbon Nanotubes towards Passivated Nanoprobes. Japanese Journal of Applied Physics, 2004, 43, L987-L989.	1.5	9
4418	Barrier Effect on Field Emission from Stand-alone Carbon Nanotube. Japanese Journal of Applied Physics, 2004, 43, 864-867.	1.5	17
4419	High-Power, High-Brightness 1 cm Laser Diode Bar with V-Shaped Optical Waveguide Structure. Japanese Journal of Applied Physics, 2004, 43, L1007-L1009.	1.5	1
4420	Effects of Ultra Low Energy Nitrogen Ion Irradiation on Carbon Nanotube Channel Single-Electron Transistor. Japanese Journal of Applied Physics, 2004, 43, 2771-2773.	1.5	10
4421	Synthesis of Highly Crystalline Multiwalled Carbon Nanotubes by Thermal Chemical Vapor Deposition Using Buffer Gases. Japanese Journal of Applied Physics, 2004, 43, 3631-3635.	1.5	6
4422	Investigation of internal plasma parameters in a reactor for plasma enhanced hot filament chemical vapour deposition of carbon nanotubes. Journal Physics D: Applied Physics, 2004, 37, 2709-2714.	2.8	2
4423	Wignerâ€Eckart theorem in the inductive spaces and applications to optical transitions in nanotubes. Journal of Physics A, 2004, 37, 4059-4068.	1.6	7
4424	Characteristics of the gravity-free gas-arc discharge and its application to fullerene production. Plasma Physics and Controlled Fusion, 2004, 46, 211-219.	2.1	10
4425	A microarray approach for optimizing localized deposition of carbon nanotubes using microhotplate arrays. Nanotechnology, 2004, 15, 62-65.	2.6	7
4426	Investigation of carbon nanotube deposits and their formation conditions by an arc-plasma method in water. Nanotechnology, 2004, 15, 555-558.	2.6	8
4427	Nano-oxidation and in situ faradaic current detection using dynamic carbon nanotube probes. Nanotechnology, 2004, 15, 1126-1130.	2.6	20
4428	Geometric construction of carbon nanotube junctions. Modelling and Simulation in Materials Science and Engineering, 2004, 12, 1251-1266.	2.0	27
4429	Soft breakdown of an insulating nanowire in an electric field. Nanotechnology, 2004, 15, 260-263.	2.6	14
4430	Electromechanical and Chemical Sensing at the Nanoscale: Molecular Modeling Applications. Molecular Simulation, 2004, 30, 191-198.	2.0	6
4431	Fabrication of nanoelectrodes based on controlled placement of carbon nanotubes using alternating-current electric field. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 776.	1.6	32

#	ARTICLE	IF	CITATIONS
4432	Aligned single crystal MgB ₂ nanowires. Superconductor Science and Technology, 2004, 17, L31-L33.	3.5	19
4433	Fabrication of carbon nanotube array and its field emission property. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 1335.	1.6	15
4434	In situ observation of carbon-nanopillar tubulization process. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 3221.	1.6	9
4435	Nanometer Scale Technologies: Device Considerations. , 2004, , 5-33.		0
4436	Nanotube-Substrate Interactions: Distinguishing Carbon Nanotubes by the Helical Angle. Physical Review Letters, 2004, 92, 085503.	7.8	36
4437	Characterization of Fe nanorods grown directly from submicron-sized iron grains by thermal evaporation. Physical Review B, 2004, 70, .	3.2	16
4438	Specific heat of single-walled boron nitride nanotubes. Applied Physics Letters, 2004, 84, 4626-4628.	3.3	34
4439	Transport in nanotubes: Effect of remote impurity scattering. Physical Review B, 2004, 70, .	3.2	17
4440	Interface effects in superconductor-carbon nanotube hybrid structures. Physical Review B, 2004, 70, .	3.2	2
4441	Electronic properties of barium-intercalated single-wall carbon nanotubes. Physical Review B, 2004, 70, .	3.2	30
4442	Microwave response of individual multiwall carbon nanotubes. Physical Review B, 2004, 70, .	3.2	16
4443	Stability and electronic structure of phosphorus nanotubes. Europhysics Letters, 2004, 65, 82-88.	2.0	52
4444	Structure and stability of SiC nanotubes. Physical Review B, 2004, 69, .	3.2	303
4445	Self-assembled carbon-nanotube-based field-effect transistors. Applied Physics Letters, 2004, 85, 5025-5027.	3.3	16
4446	Stability differences and conversion mechanism between nanotubes and scrolls. Physical Review B, 2004, 69, .	3.2	22
4447	Optimum diameter of single-walled carbon nanotubes in carbon nanotube ropes. Physical Review B, 2004, 70, .	3.2	3
4448	Electronic structure and charge distribution of potassium iodide intercalated single-walled carbon nanotubes. Applied Physics Letters, 2004, 85, 4484.	3.3	21
4449	Magnetization for lower temperature, selective diamond and carbon nanotube formation: A milestone in carbon physicochemical condensation. Journal of Applied Physics, 2004, 95, 2702-2712.	2.5	17

#	ARTICLE	IF	CITATIONS
4450	The first observation of carbon nanotubes by spherical aberration corrected high-resolution transmission electron microscopy. Nanotechnology, 2004, 15, 1779-1784.	2.6	25
4451	First-principles prediction of superplastic transition-metal alloys. Physical Review B, 2004, 70, .	3.2	29
4452	Self-assembled rigid conjugated polymer nanojunction and its nonlinear current-voltage characteristics at room temperature. Applied Physics Letters, 2004, 85, 115-117.	3.3	37
4453	Stretching of carbon-carbon bonds in a 0.7 nm diameter carbon nanotube studied by electron diffraction. Physical Review B, 2004, 70, .	3.2	24
4454	Solitons in inharmonic lattices: Application to achiral carbon nanotubes. Physical Review B, 2004, 70, .	3.2	17
4455	Morphological variation of multiwall carbon nanotubes in supercritical water oxidation. Applied Physics Letters, 2004, 85, 2613-2615.	3.3	15
4456	Dynamic pathway model for the formation of C ₆₀ . Journal of Chemical Physics, 2004, 120, 4672-4676.	3.0	12
4457	Controlling dissociative adsorption for effective growth of carbon nanotubes. Applied Physics Letters, 2004, 85, 3265-3267.	3.3	41
4458	Nanotubular boron-carbon heterojunctions. Journal of Chemical Physics, 2004, 121, 10680-10686.	3.0	18
4459	Synthesis of 4 Å... single-walled carbon nanotubes in catalytic Si-substituted AlPO ₄ molecular sieves. Applied Physics Letters, 2004, 85, 1253-1255.	3.3	29
4460	Field emission and photofluorescent characteristics of zinc oxide nanowires synthesized by a metal catalyzed vapor-liquid-solid process. Journal of Applied Physics, 2004, 95, 3711-3716.	2.5	183
4461	Effects of finite deformed length in carbon nanotubes. Applied Physics Letters, 2004, 84, 4203-4205.	3.3	23
4462	Simulation of Semiconductor Processes and Devices 2004. , 2004, , .		3
4463	Zipper Mechanism of Nanotube Fusion: Theory and Experiment. Physical Review Letters, 2004, 92, 075504.	7.8	78
4464	Nature of Single Vacancy in Achiral Carbon Nanotubes. Physical Review Letters, 2004, 92, 105504.	7.8	184
4465	Excimer laser nanostructuring of nickel thin films for the catalytic growth of carbon nanotubes. Applied Physics Letters, 2004, 84, 4035-4037.	3.3	51
4466	Plasma composition during plasma-enhanced chemical vapor deposition of carbon nanotubes. Applied Physics Letters, 2004, 85, 1137-1139.	3.3	53
4467	Electronic states and quantum transport in double-wall carbon nanotubes. Physical Review B, 2004, 69, .	3.2	84

#	ARTICLE	IF	CITATIONS
4468	Template-free synthesis on single-crystalline InP nanotubes. Applied Physics Letters, 2004, 85, 3869-3871.	3.3	25
4469	Running coupling constant and possible bound state in a Luttinger liquid. Physical Review B, 2004, 70, .	3.2	9
4470	Calculations and applications of the complex band structure for carbon nanotube field-effect transistors. Physical Review B, 2004, 70, .	3.2	16
4471	Alcohol detection using carbon nanotubes acoustic and optical sensors. Applied Physics Letters, 2004, 85, 2379-2381.	3.3	134
4472	Patterned deposition and field emission properties of carbon nanotubes by electrophoresis. , 0, , .		0
4473	Fabrication of well-aligned carbon nanofiber array and its gaseous-phase adsorption behavior. Applied Physics Letters, 2004, 84, 1186-1188.	3.3	32
4474	Thermal conductivity of carbon nanotube peapods. Physical Review B, 2004, 70, .	3.2	58
4475	Energetics and structural characterization of C ₆₀ polymerization in BN and carbon nanopeapods. Physical Review B, 2004, 70, .	3.2	29
4476	Chiral symmetry of double-walled carbon nanotubes detected in first-principles optical absorption spectra. Physical Review B, 2004, 69, .	3.2	17
4477	Atomic Structures, Electronic States and Hydrogen Storage of Boron Nitride Nanocage Clusters, Nanotubes and Nanohorns. Defect and Diffusion Forum, 2004, 226-228, 113-140.	0.4	44
4478	Transduction method for design of logic cell structure. , 0, , .		3
4479	Chiral and quantum size effects of single-wall carbon nanotubes on field emission. Applied Physics Letters, 2004, 85, 813-815.	3.3	42
4480	Observation of transient photocurrents on suspended nanotubes. Journal of Applied Physics, 2004, 96, 3939-3944.	2.5	5
4481	Atomistic Simulations of Rare Gas Transport through Breathable Single-wall Nanotubes with Constrictions and Kinks. Molecular Simulation, 2004, 30, 661-667.	2.0	15
4482	Gold nanowires from silicon nanowire templates. Applied Physics Letters, 2004, 84, 407-409.	3.3	34
4483	In situ Observation of Carbon-Nanopillar Tubulization Caused by Liquidlike Iron Particles. Physical Review Letters, 2004, 92, 215702.	7.8	76
4484	Resolution of the binding configuration in nitrogen-doped carbon nanotubes. Physical Review B, 2004, 70, .	3.2	78
4485	Density functional theory calculations of energy-loss carbon near-edge spectra of small diameter armchair and zigzag nanotubes: Core-hole, curvature, and momentum-transfer orientation effects. Physical Review B, 2004, 69, .	3.2	31

#	ARTICLE	IF	CITATIONS
4486	Structure and phase transitions of single-wall carbon nanotube bundles under hydrostatic pressure. Physical Review B, 2004, 70, .	3.2	46
4487	Gate-Voltage Dependence of Zero-Bias Anomalies in Multiwall Carbon Nanotubes. Physical Review Letters, 2004, 92, 036801.	7.8	65
4488	Transversely isotropic elastic properties of single-walled carbon nanotubes. Physical Review B, 2004, 69, .	3.2	244
4489	Mechanism Responsible for Initiating Carbon Nanotube Vacuum Breakdown. Physical Review Letters, 2004, 93, 075501.	7.8	123
4490	Mechanical Properties of Nanosprings. Physical Review Letters, 2004, 92, 175502.	7.8	82
4491	Theoretical study of the formation, evolution, and breaking of gold nanowires. Physical Review B, 2004, 69, .	3.2	110
4492	Room-temperature growth of a carbon nanofiber on the tip of conical carbon protrusions. Applied Physics Letters, 2004, 84, 3831-3833.	3.3	65
4493	Electronic Transport in a Controllably Grown Carbon Nanotube-Silicon Heterojunction Array. Physical Review Letters, 2004, 92, 075505.	7.8	63
4494	h/e Magnetic Flux Modulation of the Energy Gap in Nanotube Quantum Dots. Science, 2004, 304, 1132-1134.	12.6	123
4495	Phonon Dispersion Curves of aBC3Honeycomb Epitaxial Sheet. Physical Review Letters, 2004, 93, 177003.	7.8	129
4496	Deposition and STM investigation of single-walled carbon nanotubes on GaAs[110]. , 0, , .		0
4497	2H nuclear magnetic resonance spectroscopy of deuterium adsorption on single-walled carbon nanotubes. Applied Physics Letters, 2004, 84, 1567-1569.	3.3	12
4498	Electronic transport in carbon nanotubes using the transfer-matrix method. Journal of Applied Physics, 2004, 96, 6669-6678.	2.5	4
4499	Luminescence of ZnSe nanowires grown by metalorganic vapor phase deposition under different pressures. Journal of Applied Physics, 2004, 95, 5752-5755.	2.5	70
4500	Syntheses and properties of Bâ€“Câ€“N and BN nanostructures. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2161-2186.	3.4	96
4501	Spin-polarized electron emitter: Mn-doped GaN nanotubes and their arrays. Physical Review B, 2004, 69, .	3.2	34
4502	Postgrowth Processing of Carbon Nanotube Arraysâ€”Enabling New Functionalities and Applications. IEEE Nanotechnology Magazine, 2004, 3, 147-151.	2.0	19
4503	Symmetry-based calculations of optical absorption in narrow nanotubes. Physical Review B, 2004, 69, .	3.2	15

#	ARTICLE	IF	CITATIONS
4504	Quantum transport in carbon nanotube transistors: Complex band structure effects. Journal of Applied Physics, 2004, 95, 1597-1599.	2.5	30
4505	Indium-assisted synthesis on GaN nanotubes. Applied Physics Letters, 2004, 84, 3912-3914.	3.3	55
4506	Calculation of axial charge spreading in carbon nanotubes and nanotube Y junctions during STM measurement. Physical Review B, 2004, 70, .	3.2	11
4507	Thermal conductivity of Y-junction carbon nanotubes. Physical Review B, 2004, 70, .	3.2	68
4508	Adsorption of oxidizing gases on multiwalled carbon nanotubes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1450-1454.	2.1	15
4509	Observation of rapid Auger recombination in optically excited semiconducting carbon nanotubes. Physical Review B, 2004, 70, .	3.2	183
4510	Coulomb blockade in suspended Si ₃ N ₄ -coated single-walled carbon nanotubes. Applied Physics Letters, 2004, 84, 5428-5430.	3.3	12
4511	Electronic transport through single-wall nicked carbon nanotubes. Physical Review B, 2004, 69, .	3.2	8
4512	Structure beyond Bragg: Study of V ₂ O ₅ nanotubes. Physical Review B, 2004, 69, .	3.2	127
4513	Comparison of the field emissions between highly ordered carbon nanotubes with closed and open tips. Applied Physics Letters, 2004, 84, 825-827.	3.3	35
4514	Stopping force on point charges in cylindrical wires. Physical Review B, 2004, 70, .	3.2	12
4515	Stability of antiphase line defects in nanometer-sized boron nitride cones. Physical Review B, 2004, 70, .	3.2	64
4516	Linear optical properties of deformed carbon nanotubes. Physical Review B, 2004, 70, .	3.2	16
4517	Aharonov-Bohm oscillation and chirality effect in optical activity of single-wall carbon nanotubes. Physical Review B, 2004, 70, .	3.2	2
4518	Elastic solution for a nanotube formed by self-adhesion of a folded thin film. Journal of Applied Physics, 2004, 96, 3429-3434.	2.5	51
4519	Raman spectroscopy of fullerenes and fullerene "nanotube composites. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2375-2406.	3.4	135
4520	Microscopic mechanism of fullerene fusion. Physical Review B, 2004, 70, .	3.2	62
4521	Dynamic measurement of electrical conductivity of carbon nanotubes during mechanical deformation by nanoprobe manipulation in transmission electron microscopy. Applied Physics Letters, 2004, 85, 1250-1252.	3.3	33

#	ARTICLE	IF	CITATIONS
4522	Controlled synthesis of carbon nanoparticles by arc in water method with forced convective jet. Journal of Applied Physics, 2004, 96, 645-649.	2.5	29
4523	Kink angle of multiwall carbon nanotubes due to interlayer interaction as viewed by elastic theory. Physical Review B, 2004, 70, .	3.2	4
4524	Growth behavior and interfacial reaction between carbon nanotubes and Si substrate. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1461-1465.	2.1	4
4525	Evaluation of the gauge factor for membranes assembled by single-walled carbon nanotubes. Applied Physics Letters, 2004, 85, 2812-2814.	3.3	7
4526	In situ observations of carbon nanotube formation using environmental transmission electron microscopy. Applied Physics Letters, 2004, 84, 990-992.	3.3	128
4527	Highly nonlinear contact interaction and dynamic energy dissipation by forest of carbon nanotubes. Applied Physics Letters, 2004, 85, 5724-5726.	3.3	43
4528	Correlation of thermal stability with structural properties of ultrathin single-walled carbon nanotubes. Applied Physics Letters, 2004, 84, 1677-1679.	3.3	4
4529	Electron field emission from various morphologies of fluorinated amorphous carbon nanostructures. Applied Physics Letters, 2004, 85, 6248-6250.	3.3	38
4530	Field emission properties from double walled carbon nanotubes produced by a catalytic CVD. , 0, , .		0
4531	Characterization of field-electron emission from carbon nanofibers grown on Pd wire. Applied Physics Letters, 2004, 85, 4478.	3.3	17
4532	Buckling instabilities in multiwalled carbon nanotubes under uniaxial compression. Applied Physics Letters, 2004, 85, 1787-1789.	3.3	75
4533	Ruthenium-coated ruthenium oxide nanorods. Applied Physics Letters, 2004, 85, 5385-5387.	3.3	14
4534	Quantum chemical density-functional theory calculations of the structures of defect C60 with four vacancies. Journal of Chemical Physics, 2004, 120, 7971-7975.	3.0	17
4535	Deformations and Thermal Stability of Carbon Nanotube Ropes. IEEE Nanotechnology Magazine, 2004, 3, 230-236.	2.0	27
4536	Characterization of nonlinear elasticity and elastic instability in single-walled carbon nanotubes. Journal of Applied Physics, 2004, 95, 8145-8148.	2.5	37
4537	Effect of coiling on the electronic properties along single-wall carbon nanotubes. Applied Physics Letters, 2004, 85, 3857-3859.	3.3	38
4538	Size separation of carbon nanotubes for biomedical applications. , 2004, , .		0
4539	Biological Functionalization of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2004, 823, W4.1.1.	0.1	2

#	ARTICLE	IF	CITATIONS
4540	Electronic excitations of stable fullerene-like GaP clusters. Materials Research Society Symposia Proceedings, 2004, 854, U3.4.1.	0.1	0
4541	Formation of Positronium in Cup-Stacked Carbon Nanofibers. Materials Science Forum, 2004, 445-446, 331-333.	0.3	2
4542	Structure and Dynamics of Water Adsorbed in Carbon Nanotubes: A Joint Neutron-Scattering and Molecular-Dynamics Study. Materials Research Society Symposia Proceedings, 2004, 840, Q1.8.1.	0.1	0
4543	Effect of Carrier Gas on the Growth Rate, Growth Density, and Structure of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2004, 818, 84.	0.1	4
4544	Arc-Discharge Evaporation of Silver-Plated Graphite Rods. Materials Research Society Symposia Proceedings, 2004, 858, 177.	0.1	0
4545	Studies on the Preparation and Characterisation of Carbon Nanostructures. Solid State Phenomena, 2004, 99-100, 269-272.	0.3	1
4546	Synthesis of Carbon Nanostructures with Mechanical Alloying. Materials Science Forum, 2004, 453-454, 213-218.	0.3	0
4547	The Characteristics of Carbon Nanotubes with Electroless Plating Deposited Ni Catalysts. Materials Research Society Symposia Proceedings, 2004, 858, 231.	0.1	0
4548	Determination of Ion Irradiation Influence on π -plasmon Properties of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2004, 821, 123.	0.1	0
4549	Generation of New Nanomaterials by Interfering Femtosecond Laser Processing. Materials Research Society Symposia Proceedings, 2004, 850, 1.	0.1	1
4550	Surface Oriented Self-Assembly of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2004, 818, 124.	0.1	0
4551	Fabrication of High Aspect Ratio Nanoscale Pit Using Carbon Nanotube Probe. Materials Research Society Symposia Proceedings, 2004, 849, 75.	0.1	0
4552	Solubility and Electrical Response of Single Walled Carbon Nanotubes with Thiolate Mediated Gold Nanoparticle Attachment. Materials Research Society Symposia Proceedings, 2004, 858, 71.	0.1	0
4554	Sensing Properties of CNT hybrid MOS-based Sensors. Materials Research Society Symposia Proceedings, 2004, 828, 9.	0.1	1
4555	Ultrafast third-order nonlinear optical response of two soluble multi-wall carbon nanotubes. Journal Physics D: Applied Physics, 2004, 37, 1079-1082.	2.8	12
4556	Molecular dynamics study of the catalyst particle size dependence on carbon nanotube growth. Journal of Chemical Physics, 2004, 121, 2775.	3.0	170
4557	Creation of novel structured carbon nanotubes using different-polarity ion plasmas. Plasma Sources Science and Technology, 2004, 13, 108-115.	3.1	15
4558	Hydrogen Plasma Pretreatment on Field Emission Properties of MultiWalled Carbon Nanotubes Grown by Microwave PECVD. Journal of the Electrochemical Society, 2004, 151, H164.	2.9	4

#	ARTICLE	IF	CITATIONS
4559	Multi-Scale Modeling of Nanocrystalline Materials. Materials Science Forum, 2004, 447-448, 19-26.	0.3	0
4560	Effects of various annealing temperature on carbon nanotubes for N2 detection. Materials Research Society Symposia Proceedings, 2004, 828, 239.	0.1	1
4561	Properties and applications of high-mobility semiconducting nanotubes. Journal of Physics Condensed Matter, 2004, 16, R553-R580.	1.8	135
4562	Electrochemical Characterization of Carbon Nanotube/Nanohoneycomb Diamond Composite Electrodes for a Hybrid Anode of Li-Ion Battery and Super Capacitor. Journal of the Electrochemical Society, 2004, 151, A532.	2.9	53
4563	Nanoindentation testing for evaluating modulus and hardness of single-walled carbon nanotube-reinforced epoxy composites. Journal of Materials Research, 2004, 19, 158-164.	2.6	77
4564	Metallic and Semiconducting Nanowires from Single Wall Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2004, 818, 118.	0.1	1
4565	Improvement in electron emission from carbon nanotube cathodes after Ar plasma treatment. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 1342.	1.6	44
4566	Synthesis of tin-doped indium oxide nanowires by self-catalytic VLS growth. Journal Physics D: Applied Physics, 2004, 37, 3319-3322.	2.8	55
4567	Theory of Scanning Probe Microscopy of Carbon Nanostructures. Materials Research Society Symposia Proceedings, 2004, 838, 79.	0.1	0
4568	Optical Property of Vanadium Oxide Nanotube Suspensions. Materials Research Society Symposia Proceedings, 2004, 848, 405.	0.1	0
4569	The Effect of Nanotube Waviness and Agglomeration on the Elastic Property of Carbon Nanotube-Reinforced Composites. Journal of Engineering Materials and Technology, Transactions of the ASME, 2004, 126, 250-257.	1.4	649
4570	Nanostructured carbon materials synthesized from mesoporous silica crystals by replication. Studies in Surface Science and Catalysis, 2004, 148, 241-260.	1.5	61
4571	Aligned and coiled carbon nanotubes by microwave chemical vapor deposition. , 2004, , .		0
4572	Nanostructured superconductors: from granular through wire towards high-T _c nanotubular 2D composites. International Journal of Nanotechnology, 2004, 1, 170.	0.2	11
4573	Fundamental Mechanical Properties of Carbon Nanotubes: Current Understanding and the Related Experimental Studies. Journal of Engineering Materials and Technology, Transactions of the ASME, 2004, 126, 271-278.	1.4	113
4574	Deformation Mechanisms of Very Long Single-Wall Carbon Nanotubes Subject to Compressive Loading. Journal of Engineering Materials and Technology, Transactions of the ASME, 2004, 126, 245-249.	1.4	111
4575	Effects of Magnetic Field and Flux on Perfect Channel in Metallic Carbon Nanotubes. Journal of the Physical Society of Japan, 2004, 73, 1273-1280.	1.6	22
4576	Excitons in Carbon Nanotubes Revisited: Dependence on Diameter, Aharonov-Bohm Flux, and Strain. Journal of the Physical Society of Japan, 2004, 73, 3351-3363.	1.6	110

#	ARTICLE	IF	CITATIONS
4577	Microstructure of metal-filled carbon nanotubes. Journal of Electron Microscopy, 2004, 53, 149-155.	0.9	20
4578	Uniformity measurement of electron emission from carbon using electron beam resist. , 0, , .		0
4579	Development of an automated microinjection system for fabrication of carbon nanotube sensors. , 0, , .		1
4580	Controlled growth of carbon nanotubes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2143-2160.	3.4	35
4581	AN ALGORITHM TO GENERATE TOROIDAL AND HELICAL CAGE STRUCTURES USING PENTAGONS, HEXAGONS AND HEPTAGONS. International Journal of Modern Physics C, 2004, 15, 267-278.	1.7	6
4582	Behavior of fluids in nanoscopic space. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6331-6332.	7.1	8
4584	Nanotubes and the Pursuit of Applications. MRS Bulletin, 2004, 29, 281-285.	3.5	150
4585	Carbon nanotubes grown on different-sized rectangular patterns. Journal of Materials Research, 2004, 19, 1803-1807.	2.6	12
4586	Magnetic Alignment of Carbon Nanofibers in Polymer Composites. Materials Research Society Symposia Proceedings, 2004, 858, 248.	0.1	0
4587	Biomimetic synthesis of BaSO ₄ nanotubes using eggshell membrane as template. Journal of Materials Research, 2004, 19, 2803-2806.	2.6	18
4588	Tellurium nanotubes and nanorods synthesized by physical vapor deposition. Journal of Materials Research, 2004, 19, 2159-2164.	2.6	20
4589	EXPERIMENTAL DESIGN AND OPTIMIZATION OF DISPERSION PROCESS FOR SINGLE-WALLED CARBON NANOTUBE BUCKY PAPER. International Journal of Nanoscience, 2004, 03, 293-307.	0.7	40
4590	DYNAMICAL SIMULATIONS OF CARBON NANOTUBE BENDING. International Journal of Modern Physics C, 2004, 15, 517-534.	1.7	5
4591	Photoluminescence and photosensitive properties of ZnO strands self-twined by nanowires. Nanotechnology, 2004, 15, 559-561.	2.6	31
4592	A molecular motor constructed from a double-walled carbon nanotube driven by temperature variation. Journal of Physics Condensed Matter, 2004, 16, 1287-1292.	1.8	30
4593	Surface Oriented Self Assembled Growth of Carbon Nanotubes. , 0, , .		1
4594	Low temperature carbon nanotube growth on Ni-CaF ₂ /sub 2/ coated sodalime glass substrate using thermal CVD method. , 0, , .		1
4595	Radial distribution function analysis of spatial atomic correlations in carbon nanotubes. Diamond and Related Materials, 2004, 13, 1261-1265.	3.9	22

#	ARTICLE	IF	CITATIONS
4596	Carbon nanotube based biosensors. , 0, , .		35
4597	Electronic properties of peapods: effects of fullerene rotation and different types of tube. Journal of Physics Condensed Matter, 2004, 16, 1401-1408.	1.8	22
4598	Schematics and Atomistic Simulations of Nanomemory Element Based on Carbon Tube-to-Peapod Transition. Japanese Journal of Applied Physics, 2004, 43, 4447-4452.	1.5	11
4599	CHARACTERIZATION OF SILICON OXIDE NANOWIRES DIRECTLY GROWN FROM NiO/Si. Surface Review and Letters, 2004, 11, 179-183.	1.1	7
4600	Synthesis, Analysis, and Electrical Property Measurements of Compound Nanotubes in the B-C-N Ceramic System. MRS Bulletin, 2004, 29, 38-42.	3.5	55
4601	TIME REQUIRED FOR A SPECIFIED LEVEL OF ACCURACY IN NOISE CORRELATION MEASUREMENTS. Fluctuation and Noise Letters, 2004, 04, L623-L633.	1.5	2
4602	Thermal Properties of Nanomaterials and Nanocomposites. , 2004, , 261-284.		13
4603	SYNTHESIS OF CARBON NANOTUBES BY ECR PLASMA-ASSISTED CHEMICAL VAPOR DEPOSITION. International Journal of Nanoscience, 2004, 03, 845-851.	0.7	1
4604	ENERGY GAP OF THE "METALLIC" SINGLE-WALLED CARBON NANOTUBES. Modern Physics Letters B, 2004, 18, 769-774.	1.9	12
4605	MESOSCOPIC TRANSPORT THROUGH A QUANTUM DOTâ€“CARBON NANOTUBE SYSTEM IN AN APPLIED MICROWAVE FIELD. International Journal of Modern Physics B, 2004, 18, 2071-2084.	2.0	2
4606	Synthesis and characterization of CdS/multiwalled carbon nanotube heterojunctions. Nanotechnology, 2004, 15, 1855-1860.	2.6	63
4607	Simultaneous Formation of Multiwall Carbon Nanotubes and their End-Bonded Ohmic Contacts to Ti Electrodes for Future ULSI Interconnects. Japanese Journal of Applied Physics, 2004, 43, 1856-1859.	1.5	124
4608	THE TRANSPORT PROPERTIES OF NANOTUBES AND ITS CURVATURE EFFECTS. Modern Physics Letters B, 2004, 18, 817-824.	1.9	4
4609	STRUCTURE AND DYNAMICS OF CARBON NANOTUBES IN CONTACT WITH GRAPHITE SURFACE AND OTHER CONCENTRIC NANOTUBES. International Journal of Modern Physics B, 2004, 18, 1021-1041.	2.0	5
4610	CURVATURE EFFECT OF INTERLAYER VAN DER WAALS FORCES ON AXIAL BUCKLING OF A DOUBLE-WALLED CARBON NANOTUBE. International Journal of Structural Stability and Dynamics, 2004, 04, 515-526.	2.4	8
4611	Shape-controlled growth of one-dimensional Sb2O3nanomaterials. Nanotechnology, 2004, 15, 762-765.	2.6	59
4612	A novel synthesis route to Y2O3:Eu nanotubes. Nanotechnology, 2004, 15, 568-571.	2.6	49
4614	New Carbons, Structure and Applications. Key Engineering Materials, 2004, 264-268, 2261-2266.	0.4	0

#	ARTICLE	IF	CITATIONS
4615	Chemical bonding of multiwalled carbon nanotubes to polydimethylsiloxanes and modification of the photoinitiator system for microstereolithography processing. Smart Materials and Structures, 2004, 13, N1-N4.	3.5	16
4616	Analytical TEM investigations on boron carbonitride nanotubes grown via chemical vapour deposition. New Journal of Physics, 2004, 6, 78-78.	2.9	13
4617	Synthesis, Atomic Structures, and Electronic States of Boron Nitride Nanocage Clusters and Nanotubes. Materials and Manufacturing Processes, 2004, 19, 1215-1239.	4.7	68
4618	Density Control for Carbon Nanotube Arrays Synthesized by ICP-CVD Using AAO/Si as a Nanotemplate. Electrochemical and Solid-State Letters, 2004, 7, H29.	2.2	10
4619	Wall structure and surface chemistry of hydrothermal carbon nanofibres. Nanotechnology, 2004, 15, 232-236.	2.6	40
4620	Electron Lifetime in Armchair Carbon Nanotubes. Journal of the Physical Society of Japan, 2004, 73, 2936-2939.	1.6	5
4621	Modeling for thermoelastic properties of advanced nanocomposites of random reinforcement. AIP Conference Proceedings, 2004, , .	0.4	0
4622	Tensile and bending properties of double-walled carbon nanotubes. Journal Physics D: Applied Physics, 2004, 37, 2358-2363.	2.8	33
4623	Production of multiwall carbon nanotubes in the modified pore system of mesoporous silicates. Diamond and Related Materials, 2004, 13, 1322-1326.	3.9	5
4624	Bulk Synthesis of Helical Coiled Carbon Nanostructures. Materials Research Society Symposia Proceedings, 2004, 858, 158.	0.1	4
4625	Optical properties of CdSe and CdTe nanoparticles embedded in SiO2 films. Materials Research Society Symposia Proceedings, 2004, 829, 473.	0.1	0
4626	Evaluation for cell affinity of the composite material containing carbon nanotubes. Science Bulletin, 2004, 49, 2126.	1.7	1
4627	Efficient Direct Water-solubilisation of Single-Walled Carbon Nanotube Derivatives. Fullerenes Nanotubes and Carbon Nanostructures, 2004, 12, 789-809.	2.1	15
4628	Non-conventional and emerging metallic materials. , 2004, , 38-1-38-38.		0
4629	Carbon Nitride-Related Nanomaterials from Chemical Vapor Deposition: Structure and Properties. Journal of the American Ceramic Society, 2002, 85, 105-108.	3.8	14
4630	Synthesis of Boron Nitride Coating on Carbon Nanotubes. Journal of the American Ceramic Society, 2004, 87, 147-151.	3.8	43
4631	A simple structure and fabrication of carbon-nanotube field emission display. Applied Surface Science, 2004, 221, 370-374.	6.1	48
4632	Reinforcement of single-walled carbon nanotube bundles by intertube bridging. Nature Materials, 2004, 3, 153-157.	27.5	534

#	ARTICLE	IF	CITATIONS
4633	Status and trends of nanotechnology R&D in Japan. <i>Nature Materials</i> , 2004, 3, 129-131.	27.5	13
4634	Ultralong single-wall carbon nanotubes. <i>Nature Materials</i> , 2004, 3, 673-676.	27.5	513
4635	Biogenically driven organic contribution to marine aerosol. <i>Nature</i> , 2004, 431, 676-680.	27.8	890
4636	Room-temperature ferromagnetic nanotubes controlled by electron or hole doping. <i>Nature</i> , 2004, 431, 672-676.	27.8	231
4637	Dreams of a hollow future. <i>Nature</i> , 2004, 427, 301-303.	27.8	93
4638	Insight and the sleep committee. <i>Nature</i> , 2004, 427, 304-305.	27.8	42
4639	Nonlinear dynamics of carbon molecular lattices: Soliton plane waves in graphite layers and supersonic acoustic solitons in nanotubes. <i>Physics of the Solid State</i> , 2004, 46, 383-391.	0.6	10
4640	Density and thermodynamics of hydrogen adsorbed inside narrow carbon nanotubes. <i>Physics of the Solid State</i> , 2004, 46, 584-589.	0.6	5
4641	Electronic structure of carbon nanotubes modified by alkali metal atoms. <i>Physics of the Solid State</i> , 2004, 46, 1173-1178.	0.6	8
4642	Correlation of the chemical properties of carbon nanotubes with their atomic and electronic structures. <i>Physics of the Solid State</i> , 2004, 46, 1179-1182.	0.6	4
4643	Basic configuration of a single-wall carbon nanotube Y junction of D 3h symmetry: Structure and classification. <i>Physics of the Solid State</i> , 2004, 46, 1577-1582.	0.6	3
4644	Electronic, structural, and thermal properties of a nanocable consisting of carbon and BN nanotubes. <i>JETP Letters</i> , 2004, 80, 608-611.	1.4	18
4645	Photochemical synthesis of CdSe and PbSe nanowire arrays on a porous aluminum oxide template. <i>Scripta Materialia</i> , 2004, 50, 1169-1173.	5.2	28
4646	Facile synthesis of hollow silica nanotubes and their application as supports for immobilization of silver nanoparticles. <i>Scripta Materialia</i> , 2004, 51, 1035-1039.	5.2	37
4647	Oxidation of multiwalled carbon nanotubes by air: benefits for electric double layer capacitors. <i>Powder Technology</i> , 2004, 142, 175-179.	4.2	78
4648	Nickel-catalyzed in situ formation of carbon nanotubes and turbostratic carbon in polymer-derived ceramics. <i>Materials Chemistry and Physics</i> , 2004, 84, 131-139.	4.0	75
4649	Controlled growth of gold nanowhiskers via a soft chemistry method. <i>Materials Chemistry and Physics</i> , 2004, 85, 180-183.	4.0	11
4650	Vertically aligned carbon nanotubes produced by radio-frequency plasma-enhanced chemical vapor deposition at low temperature and their growth mechanism. <i>Materials Chemistry and Physics</i> , 2004, 87, 31-38.	4.0	33

#	ARTICLE	IF	CITATIONS
4651	Low temperature synthesis and characterization of molybdenum disulfide nanotubes and nanorods. Materials Chemistry and Physics, 2004, 87, 87-90.	4.0	110
4652	Fabrication of silver nanotubes using functionalized silica rod as templates. Materials Chemistry and Physics, 2004, 87, 301-310.	4.0	30
4653	Fabrication and atomic force microscopy/friction force microscopy (AFM/FFM) studies of polyacrylamide-carbon nanotubes (PAM-CNTs) copolymer thin films. Materials Chemistry and Physics, 2004, 88, 53-58.	4.0	45
4654	Long bundles of aligned carbon nanofibers obtained by vertical floating catalyst method. Materials Chemistry and Physics, 2004, 87, 241-245.	4.0	20
4655	Formation of multi-shelled carbon nanoparticles by arc discharge in liquid benzene. Materials Chemistry and Physics, 2004, 88, 235-238.	4.0	49
4656	Synthesis of 1D Cu ₂ S with tailored morphology via single and mixed ionic surfactant templates. Materials Chemistry and Physics, 2004, 88, 383-387.	4.0	44
4657	Preparation of polyaniline nanotubes array based on anodic aluminum oxide template. Materials Research Bulletin, 2004, 39, 1569-1580.	5.2	63
4658	Tiny tubes boost for metal matrix composites. Metal Powder Report, 2004, 59, 40-43.	0.1	11
4659	Carbon nanotubes and xerogels as supports of well-dispersed Pt catalysts for environmental applications. Applied Catalysis B: Environmental, 2004, 54, 175-182.	20.2	87
4660	Quasi-ballistic electron transport in double-wall carbon nanotubes. Chemical Physics Letters, 2004, 398, 476-479.	2.6	28
4661	Electronic properties and chemical bonding of single-walled MoO ₃ nanotubes. Mendeleev Communications, 2004, 14, 94-95.	1.6	7
4662	Catalytic Growth of Structured Carbon via the Decomposition of Chlorobenzene over Ni/SiO ₂ . Topics in Catalysis, 2004, 29, 119-128.	2.8	11
4663	Theoretical study of Si impurities in BN nanotubes. European Physical Journal B, 2004, 38, 515-518.	1.5	22
4664	Mesoscopic transport through toroidal carbon nanotubes threaded with a THz magnetic flux. European Physical Journal B, 2004, 40, 93-102.	1.5	6
4665	On the diffraction pattern of C ₆₀ peapods. European Physical Journal B, 2004, 42, 31-45.	1.5	51
4666	Lattice vibrations of armchair carbon nanotubes: phonons, soliton deformations and lattice discreteness effects. European Physical Journal B, 2004, 42, 247-253.	1.5	7
4667	Coherent mesoscopic transport through a quantum dot-carbon nanotube system under two-photon irradiation. European Physical Journal B, 2004, 42, 285-292.	1.5	3
4668	Electronic structure in finite-length deformed metallic carbon nanotubes. European Physical Journal B, 2004, 42, 503-508.	1.5	7

#	ARTICLE	IF	CITATIONS
4669	Deformation of adhering elastic tubes. European Physical Journal E, 2004, 13, 73-77.	1.6	5
4670	Formation of Nanooctahedra in Molybdenum Disulfide and Molybdenum Diselenide Using Pulsed Laser Vaporization. Journal of Physical Chemistry B, 2004, 108, 6197-6207.	2.6	82
4671	Assignment of the chiralities of double-walled carbon nanotubes using two radial breathing modes. Physical Review B, 2004, 70, .	3.2	10
4672	Nucleation and Growth of Single-Walled Carbon Nanotubes: A Molecular Dynamics Study. Journal of Physical Chemistry B, 2004, 108, 17369-17377.	2.6	209
4673	Oxidation of Zigzag Carbon Nanotubes by Singlet O ₂ : Dependence on the Tube Diameter and the Electronic Structure. Journal of Physical Chemistry B, 2004, 108, 11435-11441.	2.6	58
4674	Raman spectroscopy of carbon nanotube-based composites. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2407-2424.	3.4	205
4675	SnO ₂ nanowhiskers and their ethanol sensing characteristics. Nanotechnology, 2004, 15, 1682-1684.	2.6	120
4676	Synthesis of vertically aligned carbon nanotube arrays on silicon substrates. Science in China Series D: Earth Sciences, 2004, 47, 616.	0.9	11
4677	Magnetron sputtering synthesis of large area well-ordered boron nanowire arrays. Science in China Series G: Physics, Mechanics and Astronomy, 2004, 47, 403.	0.2	1
4678	Controlled fabrication of fullerene derivative one-dimensional nanostructures via electrophoretic deposition of its clusters. Science Bulletin, 2004, 49, 2021.	1.7	1
4679	Gas and pressure effects on the synthesis of amorphous carbon nanotubes. Science Bulletin, 2004, 49, 2569.	1.7	13
4680	Symmetry Breaking Breaks Friction. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 237-240.	0.4	0
4681	Localized States of a Narrow Single-Walled Carbon Nanotube by Using Su-Schrieffer-Heeger Model Hamiltonian. European Physical Journal D, 2004, 54, 841-847.	0.4	1
4682	Electronic Structure of New Graphyne-Like Boron Nitride Nanotubes. Doklady Physical Chemistry, 2004, 395, 62-66.	0.9	9
4683	Thermal Conductivity of Suspensions of Carbon Nanotubes in Water. International Journal of Thermophysics, 2004, 25, 971-985.	2.1	311
4684	Structure, Electronic Spectrum, and Chemical Bonding of Fullerene-like Nanoparticles Based on MB ₂ (M = Mg, Al, Sc, Ti) Layered Diborides. Inorganic Materials, 2004, 40, 134-143.	0.8	13
4685	New Fullerene-Based Stationary Phases for Gas Chromatography. Journal of Analytical Chemistry, 2004, 59, 724-729.	0.9	21
4686	Synthesis of carbon nanowires using dc pulsed corona discharge plasma reaction. Journal of Materials Science, 2004, 39, 283-284.	3.7	4

#	ARTICLE	IF	CITATIONS
4687	Characterization of synthetic imogolite nanotubes as gas storage. Journal of Materials Science, 2004, 39, 1799-1801.	3.7	66
4688	Carbon nanotubes and nanocrystals in methane combustion and the environmental implications. Journal of Materials Science, 2004, 39, 2199-2204.	3.7	22
4689	Atomistic simulations of the solubilization of single-walled carbon nanotubes in toluene. Journal of Materials Science, 2004, 39, 2315-2325.	3.7	33
4690	Electroless plating of carbon nanotubes with silver. Journal of Materials Science, 2004, 39, 3241-3243.	3.7	63
4691	Organic light emitting diodes based on multi-wall carbon nanotubes (MWNTs) modified electrode. Journal of Materials Science, 2004, 39, 3777-3778.	3.7	7
4692	Synthesis of nanotube from a layered $H_{2}Ti_{4}O_{9} \cdot H_{2}O$ in a hydrothermal treatment using various titania sources. Journal of Materials Science, 2004, 39, 4239-4245.	3.7	206
4693	A computational analysis of the percolation threshold and the electrical conductivity of carbon nanotubes filled polymeric materials. Journal of Materials Science, 2004, 39, 4441-4449.	3.7	110
4694	Dispersion of carbon nanotubes in polymer matrix by in-situ emulsion polymerization. Journal of Materials Science, 2004, 39, 4921-4922.	3.7	16
4695	TEM comparison of chrysotile (asbestos) nanotubes and carbon nanotubes. Journal of Materials Science, 2004, 39, 4941-4947.	3.7	28
4696	Effect of tungsten/filament on the growth of carbon nanotubes in hot filament chemical vapor deposition system. Journal of Materials Science, 2004, 39, 5771-5777.	3.7	5
4697	The emission effect of metal-tip removal in carbon nanotubes by bias-assisted ICPHFCVD. Journal of Materials Science: Materials in Electronics, 2004, 15, 159-163.	2.2	2
4698	Heat Capacity of H_2 Adsorbed on Carbon Nanotube Bundles. Journal of Low Temperature Physics, 2004, 134, 115-120.	1.4	15
4699	Carbon Nanotube Radio-Frequency Single-Electron Transistor. Journal of Low Temperature Physics, 2004, 136, 465-480.	1.4	12
4700	k-Resonance of Open-Ended Carbon Nanotubes. Journal of Mathematical Chemistry, 2004, 35, 87-103.	1.5	20
4701	Electronic Energy Spectrum of Two-Dimensional Solids and a Chain of C Atoms from a Quantum Network Model. Journal of Mathematical Chemistry, 2004, 36, 93-112.	1.5	26
4702	Determination of traces of elemental impurities in single walled (SWNT) and multi walled (MWNT) pristine and purified carbon nanotubes by instrumental neutron activation analysis. Journal of Radioanalytical and Nuclear Chemistry, 2004, 262, 31-34.	1.5	12
4703	Carbon Nanotubes, Nanocrystal Forms, and Complex Nanoparticle Aggregates in common fuel-gas combustion sources and the ambient air. Journal of Nanoparticle Research, 2004, 6, 241-251.	1.9	113
4704	Nanoelectronic Devices Based on Carbon Nanotubes. Radiophysics and Quantum Electronics, 2004, 47, 435-452.	0.5	19

#	ARTICLE	IF	CITATIONS
4705	Multi-walled carbon nanotubes supported Pt-Fe cathodic catalyst for direct methanol fuel cell. Reaction Kinetics and Catalysis Letters, 2004, 82, 235-240.	0.6	16
4706	Asymptotic Solutions of Nonrelativistic Equations of Quantum Mechanics in Curved Nanotubes: I. Reduction to Spatially One-Dimensional Equations. Theoretical and Mathematical Physics(Russian) Tj ETQq1 1 0.784314 rgB17Overlo	0.784314	17
4707	Carbon Nanotube Applications in Microelectronics. IEEE Transactions on Components and Packaging Technologies, 2004, 27, 629-634.	1.3	121
4708	Simple Route to Large-Scale Ordered Arrays of Liquid-Deposited Carbon Nanotubes. Nano Letters, 2004, 4, 603-606.	9.1	128
4709	Diameter-Controlled Synthesis of Discrete and Uniform-Sized Single-Walled Carbon Nanotubes Using Monodisperse Iron Oxide Nanoparticles Embedded in Zirconia Nanoparticle Arrays as Catalysts. Journal of Physical Chemistry B, 2004, 108, 8091-8095.	2.6	50
4710	The synthesis of boron nitride nanotubes by an extended vapourâ€“liquidâ€“solid method. Nanotechnology, 2004, 15, 727-730.	2.6	34
4711	Diamond fragments as building blocks of functional nanostructures. Physical Review B, 2004, 70, .	3.2	137
4712	Studies of Carbon Nanotubes and Fluorinated Nanotubes by X-ray and Ultraviolet Photoelectron Spectroscopy. Chemistry of Materials, 2004, 16, 5427-5436.	6.7	60
4713	Carbon Nanotubeâ€“Chitosan System for Electrochemical Sensing Based on Dehydrogenase Enzymes. Analytical Chemistry, 2004, 76, 5045-5050.	6.5	689
4714	Theoretical study of the single-walled gold (5,3) nanotube. Applied Physics Letters, 2004, 85, 2923-2925.	3.3	32
4715	Caged Multiwalled Carbon Nanotubes as the Adsorbents for Affinity-Based Elimination of Ionic Dyes. Environmental Science & Technology, 2004, 38, 6890-6896.	10.0	127
4716	Direct Solâ€“Gel Replication without Catalyst in an Aqueous Gel System:Â From a Lipid Nanotube with a Single Bilayer Wall to a Uniform Silica Hollow Cylinder with an Ultrathin Wall. Chemistry of Materials, 2004, 16, 250-254.	6.7	73
4717	Local elastic properties of carbon nanotubes in the presence of Stone-Wales defects. Physical Review B, 2004, 69, .	3.2	174
4718	Functionalized carbon nanotubes and device applications. Journal of Physics Condensed Matter, 2004, 16, R901-R960.	1.8	104
4719	Study of the growth mechanism of WS2 nanotubes produced by a fluidized bed reactor. Journal of Materials Chemistry, 2004, 14, 617.	6.7	67
4720	The effect of hydrothermal conditions on the mesoporous structure of TiO2 nanotubes. Journal of Materials Chemistry, 2004, 14, 3370.	6.7	673
4721	Segregated network polymer/carbon nanotubes composites. Open Chemistry, 2004, 2, 363-370.	1.9	22
4722	Multiwalled carbon nanotube AFM probes for surface characterization of micro/nanostructures. Microsystem Technologies, 2004, 10, 633-639.	2.0	22

#	ARTICLE	IF	CITATIONS
4723	Electrochemical Study and Selective Determination of Dopamine at a Multi-Wall Carbon Nanotube-Nafion Film Coated Glassy Carbon Electrode. <i>Mikrochimica Acta</i> , 2004, 144, 131-137.	5.0	96
4724	Electrocatalysis of Tryptophan at Multi-Walled Carbon Nanotube Modified Electrode. <i>Mikrochimica Acta</i> , 2004, 144, 243-247.	5.0	83
4725	Structural Study of Micro and Nanotubes Synthesized by Rapid Thermal Chemical Vapor Deposition. <i>Mikrochimica Acta</i> , 2004, 145, 129-132.	5.0	4
4726	Electrochemical Determination of 4-Nitrophenol Using a Single-Wall Carbon Nanotube Film-Coated Glassy Carbon Electrode. <i>Mikrochimica Acta</i> , 2004, 148, 87.	5.0	75
4727	Fabrication of recyclable catalyst supports for synthesis of carbon nanofibers. <i>Metals and Materials International</i> , 2004, 10, 199-205.	3.4	3
4728	Optimizing of substrate properties for carbon nanotube production in radiofrequency discharge. <i>European Physical Journal D</i> , 2004, 54, C853-C858.	0.4	1
4729	Electrochemical intercalation of lithium into raw and mild oxide-treated carbon nanotubes prepared by CVD. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2004, 19, 21-25.	1.0	4
4730	Preparation of double-walled carbon nanotubes. <i>Science Bulletin</i> , 2004, 49, 107-110.	1.7	6
4731	Effect of charge on the stability of single-walled carbon nanotubes. <i>Science in China Series G: Physics, Mechanics and Astronomy</i> , 2004, 47, 685-693.	0.2	6
4732	van der Waals interaction energies between non-planar bodies. <i>Korean Journal of Chemical Engineering</i> , 2004, 21, 494-503.	2.7	7
4733	Linear carbon allotrope “ carbon atom wires prepared by pyrolysis of starch. <i>Chemical Physics Letters</i> , 2004, 385, 477-480.	2.6	15
4734	Nanowires with finite radii formed in operating liquid metal ion sources (LMIS). <i>Comptes Rendus Physique</i> , 2004, 5, 933-939.	0.9	0
4735	Electrochemical hydrogen storage of carbon nanotubes and carbon nanofibers. <i>International Journal of Hydrogen Energy</i> , 2004, 29, 743-748.	7.1	81
4736	Nitrogen adsorption characterization of aligned multiwalled carbon nanotubes and their acid modification. <i>Journal of Colloid and Interface Science</i> , 2004, 277, 35-42.	9.4	60
4737	Study of influence on the surface energy heterogeneity of multiwalled carbon nanotubes after the adsorption of poly(acrylic acid). <i>Journal of Colloid and Interface Science</i> , 2004, 278, 299-303.	9.4	3
4738	Aggregation behavior of single-walled carbon nanotubes in dilute aqueous suspension. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 91-97.	9.4	138
4739	Morphology-controlled growth of crystalline antimony sulfide via a refluxing polyol process. <i>Journal of Crystal Growth</i> , 2004, 262, 449-455.	1.5	31
4740	Template-free synthesis of Cu ₂ Cl(OH) ₃ nanoribbons and use as sacrificial template for CuO nanoribbon. <i>Journal of Crystal Growth</i> , 2004, 263, 473-479.	1.5	62

#	ARTICLE	IF	CITATIONS
4741	Formation and growth of NbSe ₃ topological crystals. Journal of Crystal Growth, 2004, 264, 223-231.	1.5	23
4742	Syntheses and structures of sodium aluminodiphosphonates with different morphologies (diphosphonate=1-hydroxyethylidenediphosphonate). Journal of Crystal Growth, 2004, 264, 400-408.	1.5	3
4743	A novel method for making ZrO ₂ nanofibres via an electrospinning technique. Journal of Crystal Growth, 2004, 267, 380-384.	1.5	143
4744	Synthesis and characterisation of carbon nanofibres with macroscopic shaping formed by catalytic decomposition of C ₂ H ₆ /H ₂ over nickel catalyst. Applied Catalysis A: General, 2004, 274, 1-8.	4.3	61
4745	Electrochemical characteristics of the immobilization of calf thymus DNA molecules on multi-walled carbon nanotubes. Bioelectrochemistry, 2004, 62, 29-35.	4.6	107
4746	Single-wall carbon nanotube-based voltammetric sensor and biosensor. Biosensors and Bioelectronics, 2004, 20, 579-584.	10.1	70
4747	Carbon nanohorns hybridized with a metal-included nanocapsule. Carbon, 2004, 42, 95-99.	10.3	53
4748	Exfoliated graphite and ozonated single-wall carbon nanotubes for encapsulation of the single-molecule magnet Mn ₁₂ . Carbon, 2004, 42, 199-203.	10.3	2
4749	Theoretical evidence for T _{1/2} specific heat behavior in carbon nanotube systems. Carbon, 2004, 42, 991-995.	10.3	28
4750	Optical excitations of finite carbon nanotubes. Carbon, 2004, 42, 531-535.	10.3	15
4751	Synthesis of carbon nanotubes on Ni/carbon-fiber catalysts under mild conditions. Carbon, 2004, 42, 727-736.	10.3	79
4752	Nucleation stability of diamond nanowires inside carbon nanotubes: A thermodynamic approach. Carbon, 2004, 42, 629-633.	10.3	20
4753	Non-catalytic CVD preparation of carbon spheres with a specific size. Carbon, 2004, 42, 761-766.	10.3	160
4754	High yield preparation of tubular carbon nanofibers over supported Co-Mo catalysts. Carbon, 2004, 42, 1279-1283.	10.3	23
4755	Coiled carbon nanotubes growth via reduced-pressure catalytic chemical vapor deposition. Carbon, 2004, 42, 805-811.	10.3	27
4756	Synthesis and properties of carbon nanospheres grown by CVD using Kaolin supported transition metal catalysts. Carbon, 2004, 42, 813-822.	10.3	144
4757	Influence of the operating conditions on the production rate of multi-walled carbon nanotubes in a CVD reactor. Carbon, 2004, 42, 1473-1482.	10.3	45
4758	Effect of hydrocarbons precursors on the formation of carbon nanotubes in chemical vapor deposition. Carbon, 2004, 42, 829-835.	10.3	139

#	ARTICLE	IF	CITATIONS
4759	New continuous gas-phase synthesis of high purity carbon nanotubes by a thermal plasma jet. Carbon, 2004, 42, 877-883.	10.3	31
4760	Storage of methane on wet activated carbon: influence of pore size distribution. Carbon, 2004, 42, 1855-1858.	10.3	40
4761	Selective synthesis of thin carbon nanofibers: I. Over nickel-iron alloys supported on carbon black. Carbon, 2004, 42, 1765-1781.	10.3	31
4762	Helical carbon nanofibers with a symmetric growth mode. Carbon, 2004, 42, 1917-1922.	10.3	87
4763	BETA zeolite nanowire synthesis under non-hydrothermal conditions using carbon nanotubes as template. Carbon, 2004, 42, 1941-1946.	10.3	27
4764	Microstructural investigations on zirconium oxide-carbon nanotube composites synthesized by hydrothermal crystallization. Carbon, 2004, 42, 1995-1999.	10.3	111
4765	End morphology of ball milled carbon nanotubes. Carbon, 2004, 42, 2001-2008.	10.3	83
4766	Important issues in a molecular dynamics simulation for characterising the mechanical properties of carbon nanotubes. Carbon, 2004, 42, 2025-2032.	10.3	178
4767	GCMC simulation of hydrogen physisorption on carbon nanotubes and nanotube arrays. Carbon, 2004, 42, 2019-2024.	10.3	73
4768	Solvothermal synthesis of carbon nanotubes by metal oxide and ethanol at mild temperature. Carbon, 2004, 42, 2341-2343.	10.3	18
4769	Structure and nitrogen incorporation of carbon nanotubes synthesized by catalytic pyrolysis of dimethylformamide. Carbon, 2004, 42, 2625-2633.	10.3	108
4770	Magnetoelectronic states of carbon toroids. Carbon, 2004, 42, 2879-2885.	10.3	15
4771	Selective synthesis of high-purity carbon nanotubes by thermal plasma jet. Carbon, 2004, 42, 3024-3027.	10.3	9
4772	Carbon nanotubes with 2D and 3D multiple junctions. Carbon, 2004, 42, 2997-3002.	10.3	30
4773	Syntheses of CNTs over several iron-supported catalysts: influence of the metallic precursors. Catalysis Today, 2004, 93-95, 681-687.	4.4	24
4774	Polymer-layered silicate-carbon nanotube nanocomposites: unique nanofiller synergistic effect. Composites Science and Technology, 2004, 64, 2317-2323.	7.8	135
4775	Improving the antistatic ability of polypropylene fibers by inner antistatic agent filled with carbon nanotubes. Composites Science and Technology, 2004, 64, 2089-2096.	7.8	124
4776	Energy band structure effect of individual single-walled carbon nanotubes on field emission characteristics. Physica B: Condensed Matter, 2004, 344, 243-248.	2.7	14

#	ARTICLE	IF	CITATIONS
4777	The electrochemical hydrogen storage of multi-walled carbon nanotubes synthesized by chemical vapor deposition using a lanthanum nickel hydrogen storage alloy as catalyst. <i>Physica B: Condensed Matter</i> , 2004, 352, 66-72.	2.7	46
4778	Intrinsic properties of electronic structure in commensurate double-wall carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2004, 352, 305-311.	2.7	19
4779	Confinement Stark effect and electroabsorption in semiconductor cylindrical layer. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 111-116.	2.7	13
4780	Molecular mechanics of structural properties of boron nitride nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 23, 26-30.	2.7	47
4781	Thermo-physical and impact properties of epoxy nanocomposites reinforced by single-wall carbon nanotubes. <i>Polymer</i> , 2004, 45, 5163-5170.	3.8	254
4782	Functionalization of multiwalled carbon nanotubes by reversible addition fragmentation chain-transfer polymerization. <i>Polymer</i> , 2004, 45, 8717-8721.	3.8	133
4783	Nanotechnology and nanostructured materials: trends in carbon nanotubes. <i>Precision Engineering</i> , 2004, 28, 16-30.	3.4	182
4784	Nanotubular structures of zinc oxide. <i>Solid State Communications</i> , 2004, 129, 671-675.	1.9	83
4785	Tubular structures of titanium disulfide TiS ₂ . <i>Solid State Communications</i> , 2004, 130, 175-180.	1.9	62
4786	A comparative study of microstructure of RuO ₂ nanorods via Raman scattering and field emission scanning electron microscopy. <i>Solid State Communications</i> , 2004, 131, 349-353.	1.9	22
4787	Hydrogen on and in carbon nanostructures. <i>Solid State Ionics</i> , 2004, 168, 265-269.	2.7	25
4788	Photon, electron, magnon, phonon and plasmon mono-mode circuits. <i>Surface Science Reports</i> , 2004, 54, 1-156.	7.2	99
4789	Molecular scale structure formation by folding. <i>Surface Science</i> , 2004, 556, 52-62.	1.9	0
4790	Effect of field power on growth of multiwall carbon nanotubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 282, 61-64.	2.3	11
4791	High-resolution electron microscopy of boron nitride nanotube with yttrium nanowire. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 359-361.	4.0	14
4792	Effects of temperature and vacancy defects on tensile deformation of single-walled carbon nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 2004, 65, 1849-1856.	4.0	53
4793	Preparation and self-assembly of copper nanoparticles via discharge of copper rod electrodes in a surfactant solution: a combination of physical and chemical processes. <i>Journal of Solid State Chemistry</i> , 2004, 177, 3743-3747.	2.9	66
4794	TEM investigation on the growth mechanism of carbon nanotubes synthesized by hot-filament chemical vapor deposition. <i>Micron</i> , 2004, 35, 455-460.	2.2	53

#	ARTICLE	IF	CITATIONS
4795	Preparation of carbon nanotubes from vacuum pyrolysis of polycarbosilane. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 106, 275-281.	3.5	31
4796	Aggregation behavior of chemically attached poly(ethylene glycol) to single-walled carbon nanotubes (SWNTs) ropes. <i>Materials Science and Engineering C</i> , 2004, 24, 117-121.	7.3	51
4797	Interaction of methane with carbon nanotube thin films: role of defects and oxygen adsorption. <i>Materials Science and Engineering C</i> , 2004, 24, 527-533.	7.3	45
4798	On the electronic band structure of zigzag-type single-walled carbon nanotubes. <i>European Physical Journal D</i> , 2004, 54, 1495-1501.	0.4	3
4799	Synthesis of silicon nanowires and novel nano-dendrite structures. <i>Journal of Nanoparticle Research</i> , 2004, 6, 421-425.	1.9	6
4800	Fabrication of a single-walled carbon nanotube-modified glassy carbon electrode and its application in the electrochemical determination of epirubicin. <i>Journal of Nanoparticle Research</i> , 2004, 6, 665-669.	1.9	27
4801	Synthesis and crystallinity of carbon nanotubes produced by a vapor-phase growth method. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 697-700.	2.3	11
4802	Large-scale fast production of amorphous Si-Al-O nanowires under ambient conditions. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 295-298.	2.3	6
4803	Effects of catalysts on the internal structures of carbon nanotubes and corresponding electron field-emission properties. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 9-14.	2.3	36
4804	Growth of carbon nanotubes from C60. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 253-261.	2.3	34
4805	Production of individual suspended single-walled carbon nanotubes using the ac electrophoresis technique. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 283-286.	2.3	58
4806	Model for the hydrogen adsorption on carbon nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 941-946.	2.3	127
4807	Hydrogen adsorption and desorption in carbon nanotube systems and its mechanisms. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 947-953.	2.3	68
4808	Coaxial ZnO/SiO ₂ nanocables fabricated by thermal evaporation/oxidation. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 557-559.	2.3	33
4809	Synthesis and structural determination of twisted MoS ₂ nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 513-518.	2.3	23
4810	Fluorescence spectroscopy of single-walled carbon nanotubes in aqueous suspension. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 1111-1116.	2.3	86
4811	Optical properties of 0.4-nm single-wall carbon nanotubes aligned in channels of AlPO ₄ -5 single crystals. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 1121-1128.	2.3	23
4812	Growth of amorphous SiO ₂ nanowires on Si using a Pd/Au thin film as a catalyst. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 461-467.	2.3	63

#	ARTICLE	IF	CITATIONS
4813	Laser-induced coherent phonons in graphite and carbon nanotubes: model and simulations. Applied Physics A: Materials Science and Processing, 2004, 79, 855-857.	2.3	15
4814	Enhancement of the synthesis efficiency of carbon cluster ions by the irradiation of two laser pulses to polymers in vacuum. Applied Physics A: Materials Science and Processing, 2004, 79, 1161-1163.	2.3	2
4815	Controlling the size and alignment of ZnO microrods using ZnO thin film templates deposited by pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2004, 79, 1169-1173.	2.3	59
4816	Growth of single-walled carbon nanotubes from size-selected catalytic metal particles. Applied Physics A: Materials Science and Processing, 2004, 79, 787-790.	2.3	24
4817	Atomistic simulation of the laser induced damage in single wall carbon nanotubes: Diameter and chirality dependence. Applied Physics A: Materials Science and Processing, 2004, 79, 899-901.	2.3	5
4818	Nano-structured oriented carbon films grown by PLD and CVD methods. Applied Physics A: Materials Science and Processing, 2004, 79, 2063-2068.	2.3	30
4819	Evaluation for cell affinity of the composite material containing carbon nanotubes. Science Bulletin, 2004, 49, 2126-2128.	1.7	3
4820	Chemical modification of carbon nanotubes and preparation of polystyrene/carbon nanotubes composites. Macromolecular Research, 2004, 12, 384-390.	2.4	43
4821	Electron Microscopy Characterization of Silicon Dioxide Nanotubes. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 1054-1058.	1.2	8
4822	Structure Prediction of Inorganic Nanoparticles with Predefined Architecture using a Genetic Algorithm. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 2343-2353.	1.2	51
4823	Vapor-grown carbon nanofibers synthesized from a Fe ₂ O ₃ -Al ₂ O ₃ composite catalyst. Journal of the European Ceramic Society, 2004, 24, 463-468.	5.7	7
4824	Introduction to nanotechnology. Focus on Catalysts, 2004, 2004, 8.	0.1	0
4825	Numerical simulation for bending modulus of carbon nanotubes and some explanations for experiment. Composites Part B: Engineering, 2004, 35, 79-86.	12.0	78
4826	Growing carbon nanotubes. Materials Today, 2004, 7, 22-29.	14.2	180
4827	Nanomaterials – the driving force. Materials Today, 2004, 7, 20-29.	14.2	183
4828	Development of nanotechnologies. Materials Today, 2004, 7, 30-35.	14.2	646
4829	Raman spectroscopic study of vanadium oxide nanotubes. Journal of Solid State Chemistry, 2004, 177, 377-379.	2.9	70
4830	The influence of mechanical deformation on the electrical properties of single wall carbon nanotubes. Journal of the Mechanics and Physics of Solids, 2004, 52, 1-26.	4.8	86

#	ARTICLE	IF	CITATIONS
4831	Synthesis, functionalization, and properties of intercalation compounds. <i>Microelectronics Journal</i> , 2004, 35, 37-40.	2.0	20
4832	Soluble carbon nanotube films treated using a hydrogen plasma for uniform electron field emission. <i>Surface and Coatings Technology</i> , 2004, 179, 63-69.	4.8	18
4833	Surfactants assisted processing of carbon nanotube-reinforced SiO ₂ matrix composites. <i>Ceramics International</i> , 2004, 30, 63-67.	4.8	75
4834	Big returns from small fibers: A review of polymer/carbon nanotube composites. <i>Polymer Composites</i> , 2004, 25, 630-645.	4.6	1,115
4835	Effects of carbon nanotubes on the crystallization behavior of polypropylene. <i>Polymer Engineering and Science</i> , 2004, 44, 303-311.	3.1	102
4836	Carbon nanotube/epoxy resin composites using a block copolymer as a dispersing agent. <i>Physica Status Solidi A</i> , 2004, 201, R89-R91.	1.7	88
4837	Analytical tight-binding calculations for optical absorption in single wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 2599-2606.	1.5	0
4838	Light scattering of double wall carbon nanotubes under hydrostatic pressure: pressure effects on the internal and external tubes. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3360-3366.	1.5	14
4839	Squeezing carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3345-3351.	1.5	24
4840	Hydrostatic pressure effects on the structural and electronic properties of carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3352-3359.	1.5	88
4841	Toughness enhancements in poly(methyl methacrylate) by addition of oriented multiwall carbon nanotubes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2004, 42, 2690-2702.	2.1	255
4842	Numerical simulation of the effect of nanotube orientation on tensile modulus of carbon-nanotube-reinforced polymer composites. <i>Polymer International</i> , 2004, 53, 1461-1466.	3.1	17
4843	The morphology and thermal properties of multi-walled carbon nanotube and poly(hydroxybutyrate-co-hydroxyvalerate) composite. <i>Polymer International</i> , 2004, 53, 1479-1484.	3.1	105
4844	Preparing a polystyrene-functionalized multiple-walled carbon nanotubes via covalently linking acyl chloride functionalities with living polystyryllithium. <i>Journal of Polymer Science Part A</i> , 2004, 42, 5802-5810.	2.3	69
4845	Effect of surface treatment on printed carbon nanotube field emitters. <i>Surface and Interface Analysis</i> , 2004, 36, 485-488.	1.8	9
4846	Acid treatment of carbon nanofibres with encapsulated catalytic iron nanoparticles. <i>Surface and Interface Analysis</i> , 2004, 36, 497-500.	1.8	0
4847	Field electron emission properties from aligned carbon nanotube bundles of different density. <i>Surface and Interface Analysis</i> , 2004, 36, 501-505.	1.8	6
4848	Brightness of electron beam emitted from a single pentagon on a multiwall carbon nanotube tip. <i>Surface and Interface Analysis</i> , 2004, 36, 506-509.	1.8	19

#	ARTICLE	IF	CITATIONS
4849	Synthesis of Yttria-Based Crystalline and Lamellar Nanostructures and their Formation Mechanism. Small, 2004, 1, 112-121.	10.0	118
4850	Wet-Chemical Assembly of Carbon Tube-in-Tube Nanostructures. Small, 2004, 1, 107-110.	10.0	15
4851	Orbital-stoichiometric cluster model of carbon nanotube generation on quantum dots of diamond surface. International Journal of Quantum Chemistry, 2004, 96, 155-166.	2.0	1
4852	Applications of graphic method to C20, C60, and achiral single-wall nanotubes. International Journal of Quantum Chemistry, 2004, 98, 51-58.	2.0	1
4853	Electronic band structure evolution as a carbon sheet rolls up to a SWCNT and a SWCNT closes to a torus, by using extended SSH model. International Journal of Quantum Chemistry, 2004, 100, 231-235.	2.0	3
4854	Electrical and mechanical properties of expanded graphite-reinforced high-density polyethylene. Journal of Applied Polymer Science, 2004, 91, 2781-2788.	2.6	282
4855	Nanotubes by Template Wetting: A Modular Assembly System. Angewandte Chemie - International Edition, 2004, 43, 1334-1344.	13.8	409
4856	Synthesis of Crystalline Silicon Tubular Nanostructures with ZnS Nanowires as Removable Templates. Angewandte Chemie - International Edition, 2004, 43, 63-66.	13.8	121
4857	Noble-Metal Nanotubes (Pt, Pd, Ag) from Lyotropic Mixed-Surfactant Liquid-Crystal Templates. Angewandte Chemie - International Edition, 2004, 43, 228-232.	13.8	260
4858	A Porphyrin Nanotube: Size-Selective Inclusion of Tetranuclear Molybdenumâ€œOxo Clusters. Angewandte Chemie - International Edition, 2004, 43, 1825-1828.	13.8	75
4859	Well-Defined Carbon Nanoparticles Prepared from Water-Soluble Shell Cross-linked Micelles that Contain Polyacrylonitrile Cores. Angewandte Chemie - International Edition, 2004, 43, 2783-2787.	13.8	103
4860	Thermally Stable Silicate Nanotubes. Angewandte Chemie - International Edition, 2004, 43, 2017-2020.	13.8	113
4861	Onion-Type Complexation Based on Carbon Nanorings and a Buckminsterfullerene. Angewandte Chemie - International Edition, 2004, 43, 1722-1724.	13.8	142
4862	Swellable, Redox-Active Shell-Crosslinked Organometallic Nanotubes. Angewandte Chemie - International Edition, 2004, 43, 3703-3707.	13.8	62
4863	Sn-Filled Single-Crystalline Wurtzite-Type ZnS Nanotubes. Angewandte Chemie - International Edition, 2004, 43, 4606-4609.	13.8	78
4864	WO2Cl2 Nanotubes and Nanowires. Angewandte Chemie - International Edition, 2004, 43, 4899-4902.	13.8	23
4865	Atomic-Step-Templated Formation of Single Wall Carbon Nanotube Patterns. Angewandte Chemie - International Edition, 2004, 43, 6140-6143.	13.8	184
4866	The First Template-Free Growth of Crystalline Silicon Microtubes. Advanced Functional Materials, 2004, 14, 610-614.	14.9	16

#	ARTICLE	IF	CITATIONS
4867	High Performance Nanotube-Reinforced Plastics: Understanding the Mechanism of Strength Increase. Advanced Functional Materials, 2004, 14, 791-798.	14.9	575
4868	Controlling the Morphology of Multiwalled Carbon Nanotubes by Sequential Catalytic Growth Induced by Phosphorus. Advanced Materials, 2004, 16, 447-453.	21.0	23
4869	Multiple-Walled Nanotubes Made of Metals. Advanced Materials, 2004, 16, 264-268.	21.0	221
4870	Molecular-Glass-Blowing: From Carbon Nanotubes to Carbon Nanobulbs. Advanced Materials, 2004, 16, 443-447.	21.0	15
4871	Carbon Nanotube/CdS Core-Shell Nanowires Prepared by a Simple Room-Temperature Chemical Reduction Method. Advanced Materials, 2004, 16, 84-87.	21.0	177
4872	Well-Aligned Nano-Box-Beams of SnO ₂ . Advanced Materials, 2004, 16, 353-356.	21.0	171
4873	Growth and Field-Emission Properties of Crystalline, Thin-Walled Carbon Microtubes. Advanced Materials, 2004, 16, 153-156.	21.0	49
4874	Carbon Nanotubes on Carbon Nanofibers: A Novel Structure Based on Electrospun Polymer Nanofibers. Advanced Materials, 2004, 16, 69-73.	21.0	276
4875	Formation of TiO ₂ and ZrO ₂ Nanotubes Using Atomic Layer Deposition with Ultraprecise Control of the Wall Thickness. Advanced Materials, 2004, 16, 1197-1200.	21.0	251
4876	Inorganic Nanotubes. Advanced Materials, 2004, 16, 1497-1504.	21.0	349
4877	Organometallic Block Copolymers as Catalyst Precursors for Templated Carbon Nanotube Growth. Advanced Materials, 2004, 16, 876-879.	21.0	134
4878	Synthesis of SiCNO Nanowires Through Heat-Treatment of Polymer-Functionalized Single-Walled Carbon Nanotubes. Advanced Materials, 2004, 16, 1106-1109.	21.0	11
4879	Growth of Single-Crystalline Cubic GaN Nanotubes with Rectangular Cross-Sections. Advanced Materials, 2004, 16, 1465-1468.	21.0	50
4880	Uniform Metal Nanotube Arrays by Multistep Template Replication and Electrodeposition. Advanced Materials, 2004, 16, 1550-1553.	21.0	107
4881	Preferential Deposition of Pt Nanoparticles Inside Single-Walled Carbon Nanohorns. Advanced Materials, 2004, 16, 1420-1423.	21.0	81
4882	Formation of Shell-Shaped Carbon Nanoparticles Above a Critical Laser Power in Irradiated Acetylene. Advanced Materials, 2004, 16, 1721-1725.	21.0	101
4883	The Use of Charge Transfer to Enhance the Methane-Storage Capacity of Single-Walled, Nanostructured Carbon. Advanced Materials, 2004, 16, 1520-1522.	21.0	84
4884	Novel Micro/Nanoscale Hybrid Reinforcement: Multiwalled Carbon Nanotubes on SiC Particles. Advanced Materials, 2004, 16, 2021-2024.	21.0	60

#	ARTICLE	IF	CITATIONS
4885	From Starch to Metal/Carbon Hybrid Nanostructures: Hydrothermal Metal-Catalyzed Carbonization. <i>Advanced Materials</i> , 2004, 16, 1636-1640.	21.0	273
4886	Linear Assemblies of Silica-Coated Gold Nanoparticles Using Carbon Nanotubes as Templates. <i>Advanced Materials</i> , 2004, 16, 2179-2184.	21.0	172
4898	A Rational Self-Sacrificing Template Route to Bi_2O_3 Nanotube Arrays. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1785-1787.	2.0	85
4899	Luminescent Zn and Cd Coordination Polymers. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4669-4674.	2.0	61
4900	Selected-Control Solvothermal Synthesis of Nanoscale Hollow Spheres and Single-Crystal Tubes of PbTe. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 4521-4524.	2.0	55
4901	Direct Electrochemistry of Catalase at a Gold Electrode Modified with Single-Wall Carbon Nanotubes. <i>Electroanalysis</i> , 2004, 16, 627-632.	2.9	135
4902	The Electrochemical Behavior of Hemoglobin on SWNTs/DDAB Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2004, 16, 97-100.	2.9	29
4903	Solubilization of Multiwall Carbon Nanotubes by 3-Aminopropyltriethoxysilane Towards the Fabrication of Electrochemical Biosensors with Promoted Electron Transfer. <i>Electroanalysis</i> , 2004, 16, 132-139.	2.9	115
4904	Disposable Carbon Nanotube Modified Screen-Printed Biosensor for Amperometric Detection of Organophosphorus Pesticides and Nerve Agents. <i>Electroanalysis</i> , 2004, 16, 145-149.	2.9	299
4905	Glucose Biosensor Based on Multi-Walled Carbon Nanotube Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2004, 16, 1697-1703.	2.9	54
4906	DNA-Directed Attachment of Carbon Nanotubes for Enhanced Label-Free Electrochemical Detection of DNA Hybridization. <i>Electroanalysis</i> , 2004, 16, 1667-1672.	2.9	59
4907	Carbon Nanotubes-Based Amperometric Cholesterol Biosensor Fabricated Through Layer-by-Layer Technique. <i>Electroanalysis</i> , 2004, 16, 1992-1998.	2.9	101
4908	Surfactant-Directed Polypyrrole/CNT Nanocables: Synthesis, Characterization, and Enhanced Electrical Properties. <i>ChemPhysChem</i> , 2004, 5, 998-1002.	2.1	130
4909	Biomolecule-Functionalized Carbon Nanotubes: Applications in Nanobioelectronics. <i>ChemPhysChem</i> , 2004, 5, 1084-1104.	2.1	675
4910	Synthesis of {242}- and {323}-p-Octiphenyls. <i>Helvetica Chimica Acta</i> , 2004, 87, 2181-2189.	1.6	5
4911	Symmetry point group description of second harmonic generation in carbon nanotubes. <i>Laser Physics Letters</i> , 2004, 1, 172-175.	1.4	4
4912	Raman spectroscopic evaluation of polyacrylonitrile-based carbon nanofibers prepared by electrospinning. <i>Journal of Raman Spectroscopy</i> , 2004, 35, 928-933.	2.5	246
4913	Functionalization of Multi-Walled Carbon Nanotubes by Electrografting of Polyacrylonitrile. <i>Macromolecular Rapid Communications</i> , 2004, 25, 987-990.	3.9	52

#	ARTICLE	IF	CITATIONS
4914	Incorporation of Carbon Nanotubes into Hollow Microcapsules Using a Removable Template Assembly. <i>Macromolecular Rapid Communications</i> , 2004, 25, 2014-2018.	3.9	12
4915	Imaging and analysis of nanowires. <i>Microscopy Research and Technique</i> , 2004, 64, 373-389.	2.2	54
4916	Coherent nano-area electron diffraction. <i>Microscopy Research and Technique</i> , 2004, 64, 347-355.	2.2	79
4917	Synthesis of Scroll-Type Composite Microtubes of Mo ₂ C/MoCO by Controlled Pyrolysis of Mo(CO) ₆ . <i>Chemistry - A European Journal</i> , 2004, 10, 433-439.	3.3	19
4918	Overcoming the Insolubility of Carbon Nanotubes Through High Degrees of Sidewall Functionalization. <i>Chemistry - A European Journal</i> , 2004, 10, 812-817.	3.3	418
4919	Aqueous-Solution Growth of GaP and InP Nanowires: A General Route to Phosphide, Oxide, Sulfide, and Tungstate Nanowires. <i>Chemistry - A European Journal</i> , 2004, 10, 654-660.	3.3	98
4920	Atmospheric Pressure Chemical Vapor Deposition: An Alternative Route to Large-Scale MoS ₂ and WS ₂ Inorganic Fullerene-like Nanostructures and Nanoflowers. <i>Chemistry - A European Journal</i> , 2004, 10, 6163-6171.	3.3	152
4921	Effects of activation conditions on BET specific surface area of activated carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , 2004, 76, 215-219.	4.4	56
4922	Ammonia synthesis on graphitic-nanofilament supported Ru catalysts. <i>Journal of Molecular Catalysis A</i> , 2004, 211, 103-109.	4.8	40
4923	Catalytic activity of Fe, Co and Fe/Co supported on Ca and Mg oxides, hydroxides and carbonates in the synthesis of carbon nanotubes. <i>Journal of Molecular Catalysis A</i> , 2004, 223, 129-136.	4.8	77
4924	A high sensitive probe for monitoring synthesis quality of single-walled carbon nanotubes by surface-enhanced Raman scattering. <i>Journal of Molecular Structure</i> , 2004, 705, 71-74.	3.6	2
4925	Processing and properties of carbon nanotubes-nano-WC-Co composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 381, 86-91.	5.6	44
4926	Carbon nanotubes growth by chemical vapor deposition using thin film nickel catalyst. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004, 112, 147-153.	3.5	55
4927	Carbon nanotubes: properties and application. <i>Materials Science and Engineering Reports</i> , 2004, 43, 61-102.	31.8	1,618
4928	Nanometric superlattices: non-lithographic fabrication, materials, and prospects. <i>Materials Science and Engineering Reports</i> , 2004, 43, 103-138.	31.8	181
4929	Atomic and electronic structures of endohedral B ₃₆ N ₃₆ clusters with doping elements studied by molecular orbital calculations. <i>Physica B: Condensed Matter</i> , 2004, 349, 254-259.	2.7	16
4930	Helium dimers and trimers within carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2004, 349, 408-414.	2.7	8
4931	Raman spectra of filled carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2004, 351, 129-136.	2.7	6

#	ARTICLE	IF	CITATIONS
4932	Formation and atomic structures of B _n N _n (n=24–60) clusters studied by mass spectrometry, high-resolution electron microscopy and molecular orbital calculations. <i>Physica B: Condensed Matter</i> , 2004, 351, 184-190.	2.7	83
4933	Evaluation of multi-walled carbon nanotubes as an adsorbent for trapping volatile organic compounds from environmental samples. <i>Journal of Chromatography A</i> , 2004, 1026, 283-288.	3.7	117
4934	Electrochemical study of tetra-phenyl-porphyrin on the SWNTs film modified glassy carbon electrode. <i>Electrochemistry Communications</i> , 2004, 6, 83-86.	4.7	31
4935	EDLC characteristics of CNTs grown on nanoporous alumina templates. <i>Electrochimica Acta</i> , 2004, 50, 857-862.	5.2	43
4936	Fabrication and electrochemical properties of carbon nanotube array electrode for supercapacitors. <i>Electrochimica Acta</i> , 2004, 49, 4157-4161.	5.2	149
4937	Melt mixing of polycarbonate with multiwalled carbon nanotubes: microscopic studies on the state of dispersion. <i>European Polymer Journal</i> , 2004, 40, 137-148.	5.4	262
4938	Catalytic synthesis of single-walled carbon nanotubes from coal gas by chemical vapor deposition method. <i>Fuel Processing Technology</i> , 2004, 85, 913-920.	7.2	53
4939	Production of carbon nanotubes from coal. <i>Fuel Processing Technology</i> , 2004, 85, 1663-1670.	7.2	50
4940	A quantitative method for characterization of carbon nanotubes for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2004, 29, 1487-1491.	7.1	15
4941	Growth of compound single- and multi-walled carbon nanotubes. <i>Ultramicroscopy</i> , 2004, 98, 195-200.	1.9	2
4942	Creation of silicon submicron structures by compression plasma flow action. <i>Vacuum</i> , 2004, 73, 561-566.	3.5	16
4943	Changes in electron spin resonance spectra of carbon nanotubes by thermal annealing. <i>Vacuum</i> , 2004, 74, 677-681.	3.5	9
4944	Synthesis of multiwalled carbon nanotubes by high-temperature vacuum annealing of amorphous carbon. <i>Vacuum</i> , 2004, 75, 105-109.	3.5	10
4945	Cyclacenes having mono boron or nitrogen atom in the backbone—a theoretical study. <i>Computational and Theoretical Chemistry</i> , 2004, 674, 185-189.	1.5	2
4946	Mono, B, N, Si, or Ge substituted cyclacenes. A theoretical study. <i>Computational and Theoretical Chemistry</i> , 2004, 679, 143-147.	1.5	6
4947	Cyclacenes. <i>Computational and Theoretical Chemistry</i> , 2004, 685, 1-33.	1.5	31
4948	Structural and electronic properties of new 1±-graphyne-based carbon fullerenes. <i>Computational and Theoretical Chemistry</i> , 2004, 684, 29-33.	1.5	23
4949	Electronic properties of carbon nanotoroidal structures. <i>Computational and Theoretical Chemistry</i> , 2004, 681, 231-234.	1.5	15

#	ARTICLE	IF	CITATIONS
4951	Sliding friction properties of carbon nanotube coatings deposited by microwave plasma chemical vapor deposition. Tribology International, 2004, 37, 893-898.	5.9	60
4952	Ultralow friction and wear behaviour of Ni/Y-based single wall carbon nanotubes (SWNTs). Tribology International, 2004, 37, 1013-1018.	5.9	64
4953	Optical measurement in carbon nanotubes formation by pulsed laser ablation. Thin Solid Films, 2004, 457, 7-11.	1.8	29
4954	Preparation and properties of Ni/P/single-walled carbon nanotubes composite coatings by means of electroless plating. Thin Solid Films, 2004, 466, 86-91.	1.8	77
4955	Morphology and conductivity in poly(ortho-anisidine)/carbon nanotubes nanocomposite films. Thin Solid Films, 2004, 468, 17-22.	1.8	18
4956	Selective growth of carbon nanotubes and their application to triode-type field emitter arrays. Thin Solid Films, 2004, 462-463, 19-23.	1.8	7
4957	Fullerene negative ion irradiation toward double-walled carbon nanotubes using low energy magnetized plasma. Thin Solid Films, 2004, 464-465, 299-303.	1.8	2
4958	Growth control of carbon nanotubes on silicon carbide surfaces using the laser irradiation effect. Thin Solid Films, 2004, 464-465, 295-298.	1.8	17
4959	Low-temperature thermal conductance of carbon nanotubes. Thin Solid Films, 2004, 464-465, 350-353.	1.8	5
4960	Carbon nanotube formation by an electron beam: alignment- and space-effect of the precursor. Thin Solid Films, 2004, 464-465, 282-285.	1.8	2
4961	Raman study of SWNTs grown by CCVD method on SiC. Thin Solid Films, 2004, 464-465, 319-322.	1.8	13
4962	Nano-scale structures of a one-dimensional junction. Thin Solid Films, 2004, 464-465, 335-337.	1.8	8
4963	Fabrication of nanofigures by focused electron beam-induced deposition. Thin Solid Films, 2004, 464-465, 331-334.	1.8	28
4964	Transport properties of carbon nanotubes encapsulating fullerenes. Thin Solid Films, 2004, 464-465, 342-345.	1.8	4
4965	Synthesis of randomly oriented carbon nanotubes on SiO ₂ substrates by thermal chemical vapor deposition toward field electron emitters. Thin Solid Films, 2004, 464-465, 290-294.	1.8	20
4966	Near-infrared nonlinear optical properties of single-wall carbon nanotubes embedded in polymer film. Thin Solid Films, 2004, 464-465, 368-372.	1.8	46
4967	Growth of chromium carbide capped carbon nanotip using bias-assisted microwave plasma chemical vapor deposition. Thin Solid Films, 2004, 469-470, 131-134.	1.8	1
4968	Linear conductance of multiwalled carbon nanotubes at high temperatures. Solid State Communications, 2004, 129, 407-410.	1.9	12

#	ARTICLE	IF	CITATIONS
4969	Formation and structure of B ₂₈ N ₂₈ clusters studied by mass spectrometry and molecular orbital calculation. Solid State Communications, 2004, 130, 171-173.	1.9	28
4970	Preparation of Mn ₅ Si ₃ nanocages and nanotubes by molten salt flux. Solid State Communications, 2004, 130, 347-351.	1.9	14
4971	Fabrication and structure: a study of aligned carbon nanotube/carbon nanocomposites. Solid State Communications, 2004, 131, 399-404.	1.9	46
4972	Photoluminescence from amorphous silica nanowires synthesized using TiN/Ni/SiO ₂ /Si and TiN/Ni/Si substrates. Solid State Communications, 2004, 131, 687-692.	1.9	23
4973	Synthesis and characterization of novel vanadium dioxide nanorods. Solid State Communications, 2004, 132, 513-516.	1.9	40
4974	Field emission of vertically-aligned carbon nanotube arrays grown on porous silicon substrate. Solid-State Electronics, 2004, 48, 2147-2151.	1.4	29
4975	Molecular dynamics study of Ar flow and He flow inside carbon nanotube junction as a molecular nozzle and diffuser. Science and Technology of Advanced Materials, 2004, 5, 107-113.	6.1	28
4976	Formation and atomic structure of B ₁₂ N ₁₂ nanocage clusters studied by mass spectrometry and cluster calculation. Science and Technology of Advanced Materials, 2004, 5, 635-638.	6.1	225
4977	Formation and atomic structures of boron nitride nanohorns. Science and Technology of Advanced Materials, 2004, 5, 629-634.	6.1	24
4978	Stability and electronic properties of carbon nanotubes adsorbed on Si(001). Surface Science, 2004, 566-568, 728-732.	1.9	17
4979	An atomistic-based continuum theory for carbon nanotubes: analysis of fracture nucleation. Journal of the Mechanics and Physics of Solids, 2004, 52, 977-998.	4.8	126
4980	Voltammetric determination of pyridoxine (Vitamin B ₆) by use of a chemically-modified glassy carbon electrode. Journal of Pharmaceutical and Biomedical Analysis, 2004, 36, 631-635.	2.8	71
4981	Hydrogen storage in boron nitride nanomaterials studied by TG/DTA and cluster calculation. Journal of Physics and Chemistry of Solids, 2004, 65, 549-552.	4.0	100
4982	Electrocatalytic response of norepinephrine at a β -cyclodextrin incorporated carbon nanotube modified electrode. Journal of Electroanalytical Chemistry, 2004, 567, 227-231.	3.8	63
4983	Electrochemical behavior of l-dopa at single-wall carbon nanotube-modified glassy carbon electrodes. Journal of Electroanalytical Chemistry, 2004, 569, 47-52.	3.8	87
4984	Polymers containing fullerene or carbon nanotube structures. Progress in Polymer Science, 2004, 29, 1079-1141.	24.7	436
4985	Photophysical processes of a fluorene derivative containing 1,3,4-oxadiazole. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2004, 60, 3029-3032.	3.9	5
4986	On coherent scattering of X-rays in carbon nanotubes. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2004, 59, 1575-1580.	2.9	9

#	ARTICLE	IF	CITATIONS
4987	Poly(2,5-dimethylaniline)â€“MWNTs nanocomposite: a new material for conductometric acid vapours sensor. <i>Sensors and Actuators B: Chemical</i> , 2004, 98, 247-253.	7.8	55
4988	Carbon nanotubes as SAW chemical sensors materials. <i>Sensors and Actuators B: Chemical</i> , 2004, 100, 47-59.	7.8	215
4989	Study of multi-wall carbon nanotubes self-assembled electrode and its application to the determination of carbon monoxide. <i>Sensors and Actuators B: Chemical</i> , 2004, 99, 1-5.	7.8	73
4990	Carbon nanotubes as affinity probes for peptides and proteins in MALDI MS analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2004, 15, 1629-1635.	2.8	74
4991	Formation of filamentous carbons over supported Fe catalysts through methane decomposition. <i>Journal of Catalysis</i> , 2004, 222, 520-531.	6.2	193
4992	Growing mechanism of CNTs: a kinetic approach. <i>Journal of Catalysis</i> , 2004, 224, 197-205.	6.2	99
4993	Polymer-controlled synthesis of Fe ₃ O ₄ single-crystal nanorods. <i>Journal of Colloid and Interface Science</i> , 2004, 278, 372-375.	9.4	38
4994	Surfactant-free route to hexagonal CdS nanotubes under ultrasonic irradiation in aqueous solution at room temperature. <i>Journal of Crystal Growth</i> , 2004, 260, 63-66.	1.5	36
4995	Fabrication of novel urchin-like architecture and snowflake-like pattern CuS. <i>Journal of Crystal Growth</i> , 2004, 260, 494-499.	1.5	79
4996	The synthesis of In, In ₂ O ₃ nanowires and In ₂ O ₃ nanoparticles with shape-controlled. <i>Journal of Crystal Growth</i> , 2004, 264, 363-368.	1.5	66
4997	Controlled growth of three morphological structures of magnesium hydroxide nanoparticles by wet precipitation method. <i>Journal of Crystal Growth</i> , 2004, 267, 676-684.	1.5	165
4998	Structural studies of nano/micrometric semiconducting GaInP wires grown by MOCVD. <i>Journal of Crystal Growth</i> , 2004, 272, 198-203.	1.5	11
4999	Novel electronic states in graphene ribbonsâ€“competing spin and charge orders. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 688-691.	2.7	23
5000	Magneto collective excitations of armchair carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 700-703.	2.7	4
5001	Synthesis of Î²-Ga ₂ O ₃ nanowire from elemental Ga metal and its photoluminescence study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 23, 81-85.	2.7	13
5002	Bucky shuttle memory system based on boron-nitride nanopeapod. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 23, 135-140.	2.7	28
5003	High electron thermal conductivity of chiral carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 23, 152-158.	2.7	11
5004	Carbon nanotubes as a building block of quantum dot devices. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 24, 10-13.	2.7	1

#	ARTICLE	IF	CITATIONS
5005	Simple thermal chemical vapor deposition synthesis and electrical property of multi-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 24, 14-18.	2.7	21
5006	Phonon structure and dynamics of boron nitride single wall nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 24, 244-248.	2.7	8
5007	Silicon nano-wires fabricated by thermal evaporation of silicon wafer. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 24, 268-271.	2.7	11
5008	Quadratic electro-optic effects and electro-absorption process in semiconductor carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 25, 23-28.	2.7	7
5009	A study on the electrical conductivity of multi-walled carbon nanotube aqueous solution. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 24, 343-348.	2.7	42
5010	Does tubular structure of carbon form only from graphine sheet?. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 25, 69-77.	2.7	9
5011	Aharonovâ€“Bohm effect in higher genus materials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 321, 369-375.	2.1	11
5012	Molecular-dynamics simulation of defect formation energy in boron nitride nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 320, 446-451.	2.1	28
5013	Optical properties of the semiconductor carbon nanotube intramolecular junctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 323, 122-131.	2.1	32
5014	Coherent mesoscopic transport through a quantum-dot embedded carbon nanotube ring threaded with magnetic flux. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 323, 285-289.	2.1	6
5015	Photon-assisted mesoscopic transport through a quantum dotâ€“carbon nanotube system perturbed by microwave fields. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 156-165.	2.1	4
5016	Antiresonance effect due to Stoneâ€“Wales defect in carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 287-293.	2.1	10
5017	Effect of substitutional atoms in carbon nanocones. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 283-286.	2.1	18
5018	Photon-assisted mesoscopic transport through a toroidal carbon nanotube coupled to normal metal leads. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 407-414.	2.1	4
5019	Dimerization of C60 molecules within the single-walled carbon nanotube. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 327, 55-60.	2.1	7
5020	Temperature dependence of the thermal conductivity in chiral carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 329, 369-378.	2.1	13
5021	Electronic and transport properties of radially deformed double-walled carbon nanotube intramolecular junction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 330, 238-244.	2.1	13
5022	Optimum diameter of small single-wall carbon tori. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 331, 238-243.	2.1	10

#	ARTICLE	IF	CITATIONS
5023	Influence of an impurity on a superconductor/carbonâ€“nanotube/superconductor system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 331, 231-237.	2.1	2
5024	Computer simulation of rare-gas atoms injection into single-wall carbon nanotube. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 332, 417-422.	2.1	3
5025	Electromagnetic wave propagation in single-wall carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 333, 303-309.	2.1	68
5026	Computational modelling of thermo-mechanical and transport properties of carbon nanotubes. Physics Reports, 2004, 390, 235-452.	25.6	192
5027	Dynamic self-organization phenomena in complex ionized gas systems: new paradigms and technological aspects. Physics Reports, 2004, 393, 175-380.	25.6	310
5028	Probing multi-walled nanotube/poly(methyl methacrylate) composites with ionizing radiation. Polymer, 2004, 45, 1971-1979.	3.8	31
5029	Grafting of alkoxyamine end-capped (co)polymers onto multi-walled carbon nanotubes. Polymer, 2004, 45, 6097-6102.	3.8	114
5030	Electrochemical determination of 8-azaguanine in human urine at a multi-carbon nanotubes modified electrode. Microchemical Journal, 2004, 77, 37-42.	4.5	21
5031	Applications of electron nanodiffraction. Micron, 2004, 35, 345-360.	2.2	43
5032	Computer simulation of argon cluster inside a single-walled carbon nanotube. Journal of Molecular Structure, 2004, 704, 197-201.	3.6	28
5033	Thermal properties of aligned carbon nanotube/carbon nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 384, 209-214.	5.6	56
5034	Ferromagnetic transition in multiple helices with hierarchically organized interactions. Physica A: Statistical Mechanics and Its Applications, 2004, 337, 520-530.	2.6	0
5035	A continuum model for calculating the phonon density of states of single-walled carbon nanotubes. Physica B: Condensed Matter, 2004, 344, 66-72.	2.7	9
5036	Ï€-plasmons in ion-irradiated multiwall carbon nanotubes. Physica B: Condensed Matter, 2004, 348, 95-100.	2.7	14
5037	Simulation of Young's modulus of single-walled carbon nanotubes by molecular dynamics. Physica B: Condensed Matter, 2004, 352, 156-163.	2.7	221
5038	Magnetic properties of nanotube structures. Physica B: Condensed Matter, 2004, 354, 290-292.	2.7	9
5039	Fabrication and magnetic behavior of Coâ€“Ni nanowire arrays with small diameters. Physica B: Condensed Matter, 2004, 353, 187-191.	2.7	16
5040	Controlled synthesis of single-crystalline Mg(OH)2 nanotubes and nanorods via a solvothermal process. Journal of Solid State Chemistry, 2004, 177, 2329-2338.	2.9	57

#	ARTICLE	IF	CITATIONS
5041	Preparation of Mn ₂ O ₃ and Mn ₃ O ₄ nanofibers via an electrospinning technique. Journal of Solid State Chemistry, 2004, 177, 2628-2631.	2.9	116
5042	The stability of a vertical single-walled carbon nanotube under its own weight. Materials & Design, 2004, 25, 453-457.	5.1	28
5043	A potential model for interaction between the Lennard-Jones cylindrical wall and fluid molecules. Fluid Phase Equilibria, 2004, 218, 239-246.	2.5	28
5044	Postbuckling prediction of double-walled carbon nanotubes under hydrostatic pressure. International Journal of Solids and Structures, 2004, 41, 2643-2657.	2.7	96
5045	Effective bending modulus of carbon nanotubes with rippling deformation. International Journal of Solids and Structures, 2004, 41, 6429-6439.	2.7	55
5046	Effective in-plane stiffness and bending rigidity of armchair and zigzag carbon nanotubes. International Journal of Solids and Structures, 2004, 41, 5451-5461.	2.7	104
5047	Nonlinear analysis of a SWCNT over a bundle of nanotubes. International Journal of Solids and Structures, 2004, 41, 6925-6936.	2.7	12
5048	A rational redox route for the synthesis of tellurium nanotubes. Inorganic Chemistry Communication, 2004, 7, 257-259.	3.9	7
5049	In situ polymerization template route to CdSe hollow spheres under UV irradiation. Inorganic Chemistry Communication, 2004, 7, 417-419.	3.9	17
5050	A novel and low-temperature hydrothermal synthesis of SnO ₂ nanorods. Inorganic Chemistry Communication, 2004, 7, 929-931.	3.9	52
5051	Nanotubes and nanowires. Chemical Engineering Science, 2004, 59, 4665-4671.	3.8	55
5052	Ab initio investigations of lithium diffusion in single-walled carbon nanotubes. Chemical Physics, 2004, 297, 85-91.	1.9	34
5053	Titanium coverage on a single-wall carbon nanotube: molecular dynamics simulations. Chemical Physics, 2004, 300, 277-283.	1.9	19
5054	Structural and energetic features of single-walled carbon nanotube junctions: a theoretical ab initio study. Chemical Physics, 2004, 303, 265-270.	1.9	19
5055	A multiscale projection method for the analysis of carbon nanotubes. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 1603-1632.	6.6	149
5056	Molecular dynamics simulations of the elastic moduli of polymer-carbon nanotube composites. Computer Methods in Applied Mechanics and Engineering, 2004, 193, 1773-1788.	6.6	314
5057	Electrochemical studies of single-wall carbon nanotubes as nanometer-sized activators in enzyme-catalyzed reaction. Analytica Chimica Acta, 2004, 511, 239-247.	5.4	31
5058	Amperometric determination of (R)-salsolinol, (R)-N-methylsalsolinol and monoamine neurotransmitters with liquid chromatography using functionalized multi-wall carbon nanotube modified electrode in Parkinson's patients' cerebrospinal fluid. Analytica Chimica Acta, 2004, 512, 207-214.	5.4	41

#	ARTICLE	IF	CITATIONS
5059	Electrochemical detection of carbohydrates using copper nanoparticles and carbon nanotubes. <i>Analytica Chimica Acta</i> , 2004, 516, 35-41.	5.4	262
5060	Electrocatalytic oxidation of NADH at an ordered carbon nanotubes modified glassy carbon electrode. <i>Analytica Chimica Acta</i> , 2004, 516, 29-34.	5.4	99
5061	Direct observation of toughening mechanisms in carbon nanotube ceramic matrix composites. <i>Acta Materialia</i> , 2004, 52, 931-944.	7.9	430
5062	Change of surface morphology and field emission property of carbon nanotube films treated using a hydrogen plasma. <i>Applied Surface Science</i> , 2004, 225, 380-388.	6.1	35
5063	Atomistic modeling of solubilization of carbon nanotubes by non-covalent functionalization with poly(p-phenylenevinylene-co-2,5-dioctoxy-m-phenylenevinylene). <i>Applied Surface Science</i> , 2004, 227, 349-363.	6.1	56
5064	Fabrication of large-scale β -Si ₃ N ₄ nanotubes on Si(1 1 1) by hot-wall chemical-vapor-deposition with the assistance of Ga ₂ O ₃ . <i>Applied Surface Science</i> , 2004, 229, 9-12.	6.1	11
5065	Reaction monitoring of polyaniline film formation on carbon nanotubes with TOF-SIMS. <i>Applied Surface Science</i> , 2004, 231-232, 845-849.	6.1	14
5066	Adsorption and electrooxidation of nucleic acids at carbon nanotubes paste electrodes. <i>Electrochemistry Communications</i> , 2004, 6, 10-16.	4.7	234
5067	Electroanalytical thin film electrodes based on a Nafion® multi-walled carbon nanotube composite. <i>Electrochemistry Communications</i> , 2004, 6, 917-922.	4.7	60
5068	Electrochemical synthesis of Pd nanoparticles on functional MWNT surfaces. <i>Electrochemistry Communications</i> , 2004, 6, 999-1003.	4.7	150
5069	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , 2004, 6, 1180-1184.	4.7	122
5070	X-ray photoelectron spectroscopy as a method to control the received metal-carbon nanostructures. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2004, 137-140, 239-242.	1.7	5
5071	Micropore size distributions from CO ₂ using grand canonical Monte Carlo at ambient temperatures: cylindrical versus slit pore geometries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 241, 127-135.	4.7	25
5072	Titanium oxide nanotubes, nanofibers and nanowires. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 241, 173-183.	4.7	461
5073	Comparison of different methods for characterizing multi-walled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 241, 155-164.	4.7	25
5074	The influence of cetyltrimethyl ammonium bromide on electrochemical properties of thyroxine reduction at carbon nanotubes modified electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2004, 39, 95-101.	5.0	35
5075	Formation of Ni-catalyzed multiwalled carbon nanotubes and nanofibers on a substrate using an ethylene inverse diffusion flame. <i>Combustion and Flame</i> , 2004, 139, 167-175.	5.2	36
5076	On the effective elastic moduli of carbon nanotubes for nanocomposite structures. <i>Composites Part B: Engineering</i> , 2004, 35, 95-101.	12.0	177

#	ARTICLE	IF	CITATIONS
5077	Comparison of two models of SWCN polymer composites. Composites Science and Technology, 2004, 64, 1011-1020.	7.8	61
5078	A Raman spectroscopic investigation of heating effects and the deformation behaviour of epoxy/SWNT composites. Composites Science and Technology, 2004, 64, 2291-2295.	7.8	64
5079	Functionalisation effect on the thermo-mechanical behaviour of multi-wall carbon nanotube/epoxy-composites. Composites Science and Technology, 2004, 64, 2303-2308.	7.8	441
5080	Carbon nanotube-reinforced epoxy-composites: enhanced stiffness and fracture toughness at low nanotube content. Composites Science and Technology, 2004, 64, 2363-2371.	7.8	1,328
5081	Interfacial damping characteristics of carbon nanotube-based composites. Composites Science and Technology, 2004, 64, 2425-2437.	7.8	322
5082	Fabrication and nonlinear optical properties of ultrathin films containing sulfonate functionalized fullerenes. Chemical Physics Letters, 2004, 383, 230-234.	2.6	19
5083	Nucleation mechanism of carbon nanotube. Chemical Physics Letters, 2004, 383, 321-325.	2.6	16
5084	Low temperature fullerene encapsulation in single wall carbon nanotubes: synthesis of N@C60@SWCNT. Chemical Physics Letters, 2004, 383, 362-367.	2.6	122
5085	Intensive blue-light emission from semiconductor GaN nanowires sheathed with BN layers. Chemical Physics Letters, 2004, 383, 423-427.	2.6	12
5086	Carbon nanotubes by nebulized spray pyrolysis. Chemical Physics Letters, 2004, 386, 313-318.	2.6	85
5087	Double-wall nanotubes: classification and barriers to walls relative rotation, sliding and screwlike motion. Chemical Physics Letters, 2004, 385, 72-78.	2.6	94
5088	Study of the growth of boron nanowires synthesized by laser ablation. Chemical Physics Letters, 2004, 385, 177-183.	2.6	22
5089	A theoretical study on the geometrical features of finite-length carbon nanotubes capped with fullerene hemisphere. Chemical Physics Letters, 2004, 386, 38-43.	2.6	54
5090	Are hemispherical caps of boron nitride nanotubes possible?. Chemical Physics Letters, 2004, 386, 403-407.	2.6	47
5091	Mechanical behavior of functionalized nanotubes. Chemical Physics Letters, 2004, 387, 247-252.	2.6	76
5092	Synthesis of N-doped SWNT using the arc-discharge procedure. Chemical Physics Letters, 2004, 387, 193-197.	2.6	263
5093	Preparation and characterization of networked rectangular MgO nanostructures. Chemical Physics Letters, 2004, 388, 7-11.	2.6	20
5094	Novel synthesis of nanocrystalline TiC hollow polyhedrons. Chemical Physics Letters, 2004, 388, 58-61.	2.6	16

#	ARTICLE	IF	CITATIONS
5095	Third-order optical nonlinearity of semiconductor carbon nanotubes for third harmonic generation. Chemical Physics Letters, 2004, 388, 330-336.	2.6	13
5096	Thermal analysisâ€“mass spectroscopy coupling as a powerful technique to study the growth of carbon nanotubes from benzene. Chemical Physics Letters, 2004, 388, 259-262.	2.6	32
5097	Coagulation of linear carbon molecules into nanoparticles: a molecular dynamics study. Chemical Physics Letters, 2004, 388, 436-440.	2.6	17
5098	Strain energy and thermal stability of single-walled aluminum nitride nanotubes from first-principles calculations. Chemical Physics Letters, 2004, 389, 160-164.	2.6	63
5099	Polarization-dependent optical properties of open (N,N) carbon tubules. Chemical Physics Letters, 2004, 391, 212-215.	2.6	0
5100	Effect of encapsulated SWNT on the mechanical properties of melt mixed PA12/SWNT composites. Chemical Physics Letters, 2004, 392, 28-33.	2.6	75
5101	Gas phase electronic spectrum of the nitrogen terminated nanowire NC16N. Chemical Physics Letters, 2004, 392, 225-228.	2.6	6
5102	Can photo excitations heal defects in carbon nanotubes?. Chemical Physics Letters, 2004, 392, 209-213.	2.6	23
5103	Purification and characterization of zeolite-supported single-walled carbon nanotubes catalytically synthesized from ethanol. Chemical Physics Letters, 2004, 392, 529-532.	2.6	36
5104	Hydrothermal synthesis of oriented ZnO nanobelts and their temperature dependent photoluminescence. Chemical Physics Letters, 2004, 393, 17-21.	2.6	79
5105	A comparison of different preparation methods of Fe/Mo/Al ₂ O ₃ solâ€“gel catalyst for synthesis of single wall carbon nanotubes. Chemical Physics Letters, 2004, 393, 378-384.	2.6	39
5106	The growth of carbon nanotubes at predefined locations using whole nickel nanowires as templates. Chemical Physics Letters, 2004, 393, 511-516.	2.6	2
5107	Theoretical study of addition reactions of carbene, silylene, and germylene to carbon nanotubes. Chemical Physics Letters, 2004, 394, 231-237.	2.6	34
5108	Size-scaling of the polarizability of tubular fullerenes investigated with time-dependent (current)-density-functional theory. Chemical Physics Letters, 2004, 395, 274-278.	2.6	30
5109	Modification of carbon nanotubes by laser ablation of copper. Chemical Physics Letters, 2004, 396, 410-414.	2.6	13
5110	Growth mechanisms of carbon nanotubes converted from diamond-like carbon films. Chemical Physics Letters, 2004, 397, 516-519.	2.6	3
5111	Thermal stability and structural changes of double-walled carbon nanotubes by heat treatment. Chemical Physics Letters, 2004, 398, 87-92.	2.6	213
5112	Solvothermal synthesis of nanocrystalline FeS ₂ with different morphologies. Chemical Physics Letters, 2004, 398, 22-26.	2.6	84

#	ARTICLE	IF	CITATIONS
5113	Multiwalled carbon nanotubes produced by direct current arc discharge in hydrogen gas. Chemical Physics Letters, 2004, 398, 256-259.	2.6	35
5114	A reexamination of the chemisorption and desorption of ozone on the exterior of a (5,5) single-walled carbon nanotube. Chemical Physics Letters, 2004, 398, 297-303.	2.6	64
5115	Template synthesis and characterization of chiral organic nanotubes and nanowires. Chemical Physics Letters, 2004, 399, 130-134.	2.6	22
5116	Influence of shape anisotropy on photoluminescence characteristics in LaPO ₄ :Eu nanowires. Chemical Physics Letters, 2004, 399, 384-388.	2.6	34
5117	Ethanol sensor based on indium oxide nanowires prepared by carbothermal reduction reaction. Chemical Physics Letters, 2004, 399, 461-464.	2.6	119
5118	A simple method to synthesize nanowires titanium dioxide from layered titanate particles. Chemical Physics Letters, 2004, 400, 231-234.	2.6	55
5119	Effect of Al and catalyst thicknesses on the growth of carbon nanotubes and application to gated field emitter arrays. Chemical Physics Letters, 2004, 400, 139-144.	2.6	22
5120	Symmetry of electron diffraction from single-walled carbon nanotubes. Chemical Physics Letters, 2004, 400, 430-435.	2.6	21
5121	Hexaniobate nanotubes with variable interlayer spacings. Chemical Physics Letters, 2004, 400, 536-540.	2.6	15
5122	Electric-field oriented carbon nanotubes in different dielectric solvents. Current Applied Physics, 2004, 4, 125-128.	2.4	56
5123	Calcium silicate-carbon nanotube composites. Current Applied Physics, 2004, 4, 359-361.	2.4	7
5124	Magnetic and charge orders in zigzag nanographene ribbons. Current Applied Physics, 2004, 4, 587-590.	2.4	2
5125	Carbon nanotubes filled with metallic nanowires. Carbon, 2004, 42, 47-52.	10.3	107
5126	The synthesis of carbon nanotubes at low temperature via carbon suboxide disproportionation. Carbon, 2004, 42, 183-185.	10.3	49
5127	A simple protocol for bulk synthesis of TiC hollow spheres from carbon nanotubes. Carbon, 2004, 42, 235-238.	10.3	22
5128	Novel in situ synthesis of MWNTs-hydroxyapatite composites. Carbon, 2004, 42, 423-426.	10.3	199
5129	Stretching process of single- and multi-walled carbon nanotubes for nanocomposite applications. Carbon, 2004, 42, 426-428.	10.3	84
5130	Catalytic growth of carbon nanotubes through CHNO explosive detonation. Carbon, 2004, 42, 361-370.	10.3	50

#	ARTICLE	IF	CITATIONS
5131	Electrochemical characterization on RuO ₂ ·xH ₂ O/carbon nanotubes composite electrodes for high energy density supercapacitors. Carbon, 2004, 42, 451-453.	10.3	80
5132	PECVD-growth of carbon nanotubes using a modified tip-plate configuration. Carbon, 2004, 42, 1043-1047.	10.3	23
5133	Electrochemical tuning of electronic structure of carbon nanotubes and fullerene peapods. Carbon, 2004, 42, 1011-1019.	10.3	61
5134	Fabrication of hollow carbon cones. Carbon, 2004, 42, 669-671.	10.3	40
5135	Carbon nanofibers for composite applications. Carbon, 2004, 42, 1153-1158.	10.3	468
5136	Carbon nanotube sheets for the use as artificial muscles. Carbon, 2004, 42, 1159-1164.	10.3	188
5137	Photoconductivity of single-wall carbon nanotube films. Carbon, 2004, 42, 919-922.	10.3	46
5138	Production of novel amorphous carbon nanostructures from ferrocene in low-temperature solution. Carbon, 2004, 42, 1447-1453.	10.3	82
5139	High-rate flame synthesis of vertically aligned carbon nanotubes using electric field control. Carbon, 2004, 42, 599-608.	10.3	69
5140	Effects of Ni-catalyst characteristics on the growth of carbon nanowires. Carbon, 2004, 42, 509-514.	10.3	30
5141	Cationic surfactant directed polyaniline/CNT nanocables: synthesis, characterization, and enhanced electrical properties. Carbon, 2004, 42, 1455-1461.	10.3	126
5142	Carbon nanotubes as a template for mild synthesis of magnetic CoFe ₂ O ₄ nanowires. Carbon, 2004, 42, 1395-1399.	10.3	27
5143	Synthesis of carbon nanotubes by detonation of 2,4,6-triazido-1,3,5-triazine in the presence of transition metals. Carbon, 2004, 42, 823-828.	10.3	20
5144	Amorphous carbon nanotubes produced by a temperature controlled DC arc discharge. Carbon, 2004, 42, 1852-1855.	10.3	40
5145	The nucleation and growth of carbon nanotubes in a mechano-thermal process. Carbon, 2004, 42, 1543-1548.	10.3	47
5146	UV-Vis-NIR spectroscopy study of sensitivity of single-wall carbon nanotubes to chemical processing and Van-der-Waals SWNT/SWNT interaction. Verification of the SWNT content measurements by absorption spectroscopy. Carbon, 2004, 42, 1523-1535.	10.3	179
5147	New oscillation in terahertz magneto-optical effect of single-walled carbon nanotubes film. Carbon, 2004, 42, 1793-1798.	10.3	2
5148	Effects of the ion irradiation of screen-printed carbon nanotubes for use in field emission display applications. Carbon, 2004, 42, 1807-1812.	10.3	84

#	ARTICLE	IF	CITATIONS
5149	Multi-walled carbon nanotubes on amorphous carbon films. Carbon, 2004, 42, 1953-1957.	10.3	14
5150	Quantum chemical study of the electronic structure of new nanotubular systems: \pm -graphyne-like carbon, boron-nitrogen and boron-carbon-nitrogen nanotubes. Carbon, 2004, 42, 2081-2089.	10.3	39
5151	Formation of encapsulated molybdenum carbide particles by annealing mechanically activated mixtures of amorphous carbon with molybdenum. Carbon, 2004, 42, 2067-2071.	10.3	24
5152	Dynamic observation of the bending behavior of carbon nanotubes by nanoprobe manipulation in TEM. Carbon, 2004, 42, 2343-2345.	10.3	18
5153	High growth rate of vertically aligned carbon nanotubes using a plasma shield in microwave plasma-enhanced chemical vapor deposition. Carbon, 2004, 42, 2753-2756.	10.3	12
5154	Insertion of C ₆₀ into multi-wall carbon nanotubes—a synthesis of C ₆₀ @MWCNT. Carbon, 2004, 42, 2759-2762.	10.3	15
5155	Formation of carbon nanotubes from polyvinyl alcohol using arc-discharge method. Carbon, 2004, 42, 2535-2541.	10.3	38
5156	Structural studies of purified double walled carbon nanotubes (DWNTs) using phase restored high-resolution imaging. Carbon, 2004, 42, 2527-2533.	10.3	18
5157	A study of mesophase formation from a low temperature coal tar pitch using formaldehyde as a promoter for polymerisation. Carbon, 2004, 42, 2762-2765.	10.3	9
5158	Synthesis of carbon nanotubes and nano-necklaces by thermal plasma process. Carbon, 2004, 42, 2543-2549.	10.3	61
5159	Carbon nanoarchitectures containing non-hexagonal rings: “necklaces of pearls”. Carbon, 2004, 42, 2561-2566.	10.3	23
5160	Lithium insertion into purified and etched multi-walled carbon nanotubes synthesized on supported catalysts by thermal CVD. Carbon, 2004, 42, 2589-2596.	10.3	96
5161	Coal-derived carbon nanotubes by thermal plasma jet. Carbon, 2004, 42, 2597-2601.	10.3	39
5162	Formation of platelet structure carbon nanofilaments by a template method. Carbon, 2004, 42, 2756-2759.	10.3	34
5163	Persistent currents in finite zigzag carbon nanotubes. Carbon, 2004, 42, 2873-2878.	10.3	20
5164	Jacobsen catalyst anchored onto an activated carbon as an enantioselective heterogeneous catalyst for the epoxidation of alkenes. Carbon, 2004, 42, 3027-3030.	10.3	43
5165	Carbon nano-rod as a structural unit of carbon nanofibers. Carbon, 2004, 42, 3087-3095.	10.3	59
5166	Electronic and optical properties of double-walled armchair carbon nanotubes. Carbon, 2004, 42, 3159-3167.	10.3	52

#	ARTICLE	IF	CITATIONS
5167	Deposition of a thin film of carbon nanotubes onto a glassy carbon electrode by electropolymerization. Carbon, 2004, 42, 3237-3242.	10.3	40
5168	Effect of catalysis on coal to nanotube in thermal plasma. Catalysis Today, 2004, 89, 233-236.	4.4	24
5169	Carbon nanotubes as nanosized reactor for the selective oxidation of H ₂ S into elemental sulfur. Catalysis Today, 2004, 91-92, 91-97.	4.4	58
5170	In situ FTIR studies of NO reduction over carbon nanotubes (CNTs) and 1wt.% Pd/CNTs. Catalysis Today, 2004, 93-95, 711-714.	4.4	32
5171	Palladium cluster filled in inner of carbon nanotubes and their catalytic properties in liquid phase benzene hydrogenation. Catalysis Today, 2004, 93-95, 347-352.	4.4	97
5172	Behaviour of transition metals catalysts over laser-treated vanadium support surfaces in the decomposition of acetylene. Applied Catalysis A: General, 2004, 260, 87-91.	4.3	15
5173	XPS study of multiwall carbon nanotube synthesis on Ni-, V-, and Ni, V-ZSM-5 catalysts. Applied Catalysis A: General, 2004, 260, 55-61.	4.3	44
5174	Effects of the pressure on growth of carbon nanotubes by plasma-enhanced hot filament CVD at low substrate temperature. Applied Surface Science, 2004, 236, 6-12.	6.1	14
5175	Molecular dynamics simulations of polyatomic-ion beam deposition-induced chemical modification of carbon nanotube/polymer composites. Journal of Materials Chemistry, 2004, 14, 719.	6.7	31
5176	Applications of carbon nanotubes in the twenty-first century. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2223-2238.	3.4	212
5177	Individual single-walled carbon nanotubes with vertical alignment. , 0, , .		0
5178	Synthesis and magnetoresistance measurement of tellurium microtubes. Journal of Materials Chemistry, 2004, 14, 244.	6.7	60
5179	Diameter and helicity effects on static properties of water molecules confined in carbon nanotubes. Physical Chemistry Chemical Physics, 2004, 6, 829.	2.8	144
5180	A Sonochemical Route to Single-Walled Carbon Nanotubes under Ambient Conditions. Journal of the American Chemical Society, 2004, 126, 15982-15983.	13.7	86
5181	Raman Spectra in Vanadate Nanotubes Revisited. Nano Letters, 2004, 4, 2099-2104.	9.1	81
5182	Pulsed Corona Discharge as a Source of Hydrogen and Carbon Nanotube Production. IEEE Transactions on Plasma Science, 2004, 32, 1727-1733.	1.3	14
5183	Integrating nano carbontubes with microchannel cooler. , 0, , .		7
5184	Gated Carbon Nanotube Emitter With Low Driving Voltage. IEEE Electron Device Letters, 2004, 25, 605-607.	3.9	13

#	ARTICLE	IF	CITATIONS
5185	Constructing amphiphilic polymer brushes on the convex surfaces of multi-walled carbon nanotubes by in situ atom transfer radical polymerization. Journal of Materials Chemistry, 2004, 14, 1401.	6.7	120
5186	ELNES study of carbon K-edge spectra of plasma deposited carbon films. Journal of Materials Chemistry, 2004, 14, 2030.	6.7	66
5187	Solubilization and debundling of purified single-walled carbon nanotubes using solubilizing agents in an aqueous solution by high-speed vibration milling techniqueElectronic supplementary information (ESI) available: UV-vis spectra. See http://www.rsc.org/suppdata/cc/b4/b402042a/ . Chemical Communications, 2004, , 1334.	4.1	62
5188	Novel iron-decorated carbon nanorods from fullerene soot. Chemical Communications, 2004, , 656.	4.1	14
5189	Preparation of hybrid thin film modified carbon nanotubes on glassy carbon electrode and its electrocatalysis for oxygen reduction. Chemical Communications, 2004, , 34-35.	4.1	68
5190	Fullerene-related structure of commercial glassy carbons. Philosophical Magazine, 2004, 84, 3159-3167.	1.6	336
5191	Quantitative Characterization of Hydrophilic~Hydrophobic Properties of MWNTs Surfaces. Langmuir, 2004, 20, 1656-1661.	3.5	44
5192	In Situ Study of Iron Catalysts for Carbon Nanotube Growth Using X-Ray Diffraction Analysis. Japanese Journal of Applied Physics, 2004, 43, L471-L474.	1.5	77
5193	One-step preparation of highly dispersed metal-supported catalysts by fluidized-bed MOCVD for carbon nanotube synthesis. Nanotechnology, 2004, 15, 1671-1681.	2.6	51
5194	Growth of carbon nanotubes on a gold (111) surface using two-dimensional iron oxide nano-particle catalysts derived from iron storage protein. Chemical Communications, 2004, , 1518.	4.1	29
5195	Self-Assembly of Mesoscopic Metal-Polymer Amphiphiles. Science, 2004, 303, 348-351.	12.6	661
5196	Numerical analysis of carbon nanotube field emitter arrays with embedded electron beam focusing structure. , 0, , .		0
5197	Fabrication and characterization of high current density carbon nanotube cold cathodes. , 0, , .		0
5198	Morphology and microstructure of carbon nanotubes grown by hot filament chemical vapor deposition. , 0, , .		0
5199	Template-free synthesis of single-crystalline cadmium nanotubes. Chemical Communications, 2004, , 556.	4.1	10
5200	Synthesis, modification and characterization of K4Nb6O17-type nanotubes. Journal of Materials Chemistry, 2004, 14, 1437.	6.7	65
5201	Single-walled carbon nanotubes filled with M OH (M = K, Cs) and then washed and refilled with clusters and molecules. Chemical Communications, 2004, , 1686-1687.	4.1	47
5202	Material Incorporation Inside Single-Walled Carbon Nanotubes Using Plasma-Ion Irradiation Method. IEEE Nanotechnology Magazine, 2004, 3, 333-342.	2.0	14

#	ARTICLE	IF	CITATIONS
5203	Linear arrangements of polypyrrole microcontainers. Chemical Communications, 2004, , 994.	4.1	59
5204	Confined organization of Au nanocrystals in glycolipid nanotube hollow cylinders. Chemical Communications, 2004, , 500-501.	4.1	57
5205	Carbon nanotubes based position sensors. , 0, , .		9
5206	Carbon and copper nanostructured materials syntheses by plasma discharge in a supercritical fluid environment. Journal of Materials Chemistry, 2004, 14, 1513.	6.7	43
5207	Comparison of Fe/Al$_2\text{O}_3$ and Fe, Co/Al$_2\text{O}_3$ Catalysts Used for Production of Carbon Nanotubes From Acetylene by CCVD. IEEE Nanotechnology Magazine, 2004, 3, 73-79.	2.0	19
5208	Sidewall modification of single-walled carbon nanotubes using photolysis of perfluorooctaneElectronic supplementary information (ESI) available: Fig. S1. UV-vis-NIR spectra of pristine and modified SWNTs. See http://www.rsc.org/suppdata/cc/b4/b402206h/ . Chemical Communications, 2004, , 1336.	4.1	25
5209	Study of the packing of double-walled carbon nanotubes into bundles by transmission electron microscopy and electron diffraction. Journal of Materials Chemistry, 2004, 14, 603.	6.7	29
5210	Carbon nanotube vias for future LSI interconnects. , 0, , .		35
5211	Selected synthesis of carbon nanostructures directed by silver nanocrystals. Nanotechnology, 2004, 15, 490-493.	2.6	14
5212	A prototype cylindrical fluorescent lamp based on carbon nanotube field emission. , 0, , .		1
5213	Carbon nanotube coatings for thermal control. , 0, , .		5
5214	Metallic single-walled silicon nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2664-2668.	7.1	124
5215	Electric field induced alignment of carbon nanotubes grown by CVD. , 0, , .		0
5216	Defect and Fault Tolerance of Reconfigurable Molecular Computing. , 0, , .		6
5217	Controlled growth of core-shell SiO _x and amorphous SiO ₂ nanowires directly from NiO/Si. Nanotechnology, 2004, 15, S365-S370.	2.6	46
5218	Fabrication temperature effect of the field emission from closed and open tip carbon nanotube arrays fabricated on anodic aluminum oxide films. Journal of Applied Physics, 2004, 96, 5234-5238.	2.5	23
5219	Thermal physics in carbon nanotube growth kinetics. Journal of Chemical Physics, 2004, 121, 446.	3.0	28
5220	Oriented and Patterned Macromolecules. , 2004, , 203-263.		0

#	ARTICLE	IF	CITATIONS
5221	Determination of nanotubes properties by Raman spectroscopy. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2311-2336.	3.4	128
5222	Magnetic nanobraids of iron-doped amorphous silica. Applied Physics Letters, 2004, 85, 5364-5366.	3.3	9
5223	Quasiparticle effects and optical absorption in small fullerenelike GaP clusters. Physical Review B, 2004, 70, .	3.2	24
5224	Phase stability of nanocarbon in one dimension: Nanotubes versus diamond nanowires. Journal of Chemical Physics, 2004, 120, 3817-3821.	3.0	52
5225	Environmental Nanomaterials: Occurrence, Syntheses, Characterization, Health Effect, and Potential Applications. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2004, 39, 2545-2548.	1.7	24
5226	Adsorption of NH ₃ and NO ₂ on Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 7938-7943.	2.6	118
5227	Growth of Well Aligned IrO ₂ Nanotubes on LiTaO ₃ (012) Substrate. Chemistry of Materials, 2004, 16, 2457-2462.	6.7	33
5228	Formation of Carbon Nanotubes and Cubic and Spherical Nanocages. Journal of Physical Chemistry B, 2004, 108, 20090-20094.	2.6	21
5229	Mediated amperometric immunosensing using single walled carbon nanotube forests. Analyst, The, 2004, 129, 1176.	3.5	81
5230	Enumeration of Conjugated Circuits in Nanotubes. Journal of Chemical Information and Computer Sciences, 2004, 44, 410-414.	2.8	8
5231	Chemical Vapor Depositions of Single-Walled Carbon Nanotubes Catalyzed by Uniform Fe ₂ O ₃ Nanoclusters Synthesized Using Diblock Copolymer Micelles. Journal of Physical Chemistry B, 2004, 108, 6124-6129.	2.6	92
5232	Synthesis of Tubular Graphite Cones through a Catalytically Thermal Reduction Route. Journal of Physical Chemistry B, 2004, 108, 9811-9814.	2.6	2
5233	How to Identify Haeckelite Structures: A Theoretical Study of Their Electronic and Vibrational Properties. Nano Letters, 2004, 4, 805-810.	9.1	64
5234	Adsorption of Chromium(VI) Ions from Water by Carbon Nanotubes. Adsorption Science and Technology, 2004, 22, 467-474.	3.2	38
5235	Atomistic simulation of the torsion deformation of carbon nanotubes. Modelling and Simulation in Materials Science and Engineering, 2004, 12, 1099-1107.	2.0	57
5236	Formation of Carbon Nanofibers and Carbon Nanotubes through Methane Decomposition over Supported Cobalt Catalysts. Journal of Physical Chemistry B, 2004, 108, 11464-11472.	2.6	146
5237	Controlled growth of carbon nanotubes on microstructured surfaces. , 0, , .		0
5238	Carbon nanotubes: synthesis and properties, electronic devices and other emerging applications. International Materials Reviews, 2004, 49, 325-377.	19.3	231

#	ARTICLE	IF	CITATIONS
5239	Characterization of Carbon Nanotubes by TEM and Infrared Spectroscopy. Journal of Physical Chemistry B, 2004, 108, 3469-3473.	2.6	130
5240	AC conductivity of conjugated polymer onto self-assembled aligned carbon nanotubes. Diamond and Related Materials, 2004, 13, 250-255.	3.9	13
5241	Effect of organic additives in catalyst preparation on the growth of single-wall carbon nanotubes prepared by catalyst-assisted chemical vapour deposition. Nanotechnology, 2004, 15, 337-340.	2.6	17
5242	New Method of Purification of Carbon Nanotubes Based on Hydrogen Treatment. Journal of Physical Chemistry B, 2004, 108, 6935-6937.	2.6	73
5243	Vibrational spectra of double-wall carbon nanotubes. Physical Review B, 2004, 69, .	3.2	15
5244	Solution phase synthesis of magnesium hydroxide sulfate hydrate nanoribbons. Nanotechnology, 2004, 15, 1625-1627.	2.6	15
5245	Electrodeposition of Cu[sub 2]O Nanowires Using Nanoporous Alumina Template. Electrochemical and Solid-State Letters, 2004, 7, C27.	2.2	48
5246	Shape and complexity at the atomic scale: the case of layered nanomaterials. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2039-2063.	3.4	17
5247	Low-cost synthesis of single-walled carbon nanohorns using the arc in water method with gas injection. Journal Physics D: Applied Physics, 2004, 37, L17-L20.	2.8	82
5248	Self-Assembled Growth of ZnS Nanobelt Networks. Journal of Physical Chemistry B, 2004, 108, 936-938.	2.6	109
5249	Microemulsion-Based Synthesis of Titanium Phosphate Nanotubes via Amine Extraction System. Journal of the American Chemical Society, 2004, 126, 8882-8883.	13.7	70
5250	KekulÃ© Count in Capped Zigzag Boron-Nitride Nanotubes. Journal of Chemical Information and Computer Sciences, 2004, 44, 13-20.	2.8	6
5251	H and 2H NMR of Hydrogen Adsorption on Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 9937-9942.	2.6	24
5252	Enhanced thermal contact conductance using carbon nanotube arrays. , 0, , .		16
5253	Selenium Nanotubes Synthesized by a Novel Solution Phase Approach. Journal of Physical Chemistry B, 2004, 108, 1179-1182.	2.6	98
5254	Exceptionally Stable, Hollow Tubular Metal-Organic Architectures: Synthesis, Characterization, and Solid-State Transformation Study. Journal of the American Chemical Society, 2004, 126, 3576-3586.	13.7	392
5255	Preparation and Optical Properties of Prism-Shaped GaN Nanorods. Journal of Physical Chemistry B, 2004, 108, 12024-12026.	2.6	63
5256	Molecular Structures of Alumina Nanoballs and Nanotubes: A Theoretical Study. Inorganic Chemistry, 2004, 43, 1184-1189.	4.0	27

#	ARTICLE	IF	CITATIONS
5257	Using Block Copolymer Micellar Thin Films as Templates for the Production of Catalysts for Carbon Nanotube Growth. <i>Chemistry of Materials</i> , 2004, 16, 5589-5595.	6.7	54
5258	Polymer-Functionalized Carbon Nanotubes Investigated by Solid-State Nuclear Magnetic Resonance and Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , 2004, 108, 11412-11418.	2.6	52
5259	Organic-Inorganic Polyamidoamine (PAMAM) Dendrimer-Polyhedral Oligosilsesquioxane (POSS) Nanohybrids. <i>Macromolecules</i> , 2004, 37, 7818-7831.	4.8	44
5260	Porous nanotubes of Co ₃ O ₄ : Synthesis, characterization, and magnetic properties. <i>Applied Physics Letters</i> , 2004, 85, 2080-2082.	3.3	122
5261	Hydrothermal Synthesis of Prismatic NaHoF ₄ Microtubes and NaSmF ₄ Nanotubes. <i>Inorganic Chemistry</i> , 2004, 43, 1594-1596.	4.0	63
5262	Catalyst-Assisted Vapor-Liquid-Solid Growth of Single-Crystal CdS Nanobelts and Their Luminescence Properties. <i>Journal of Physical Chemistry B</i> , 2004, 108, 20045-20049.	2.6	102
5263	Remarkable differences in photoluminescent properties between LaPO ₄ :Eu one-dimensional nanowires and zero-dimensional nanoparticles. <i>Applied Physics Letters</i> , 2004, 85, 470-472.	3.3	88
5264	Molecular dynamics investigation of the mechanical properties of gallium nitride nanotubes under tension and fatigue. <i>Nanotechnology</i> , 2004, 15, 1737-1744.	2.6	43
5265	A Simple and General Method for the Synthesis of Multicomponent Na ₂ V ₆ O ₁₆ ·3H ₂ O Single-Crystal Nanobelts. <i>Journal of the American Chemical Society</i> , 2004, 126, 3422-3423.	13.7	158
5266	Branched carbon nanofiber network synthesis at room temperature using radio frequency supported microwave plasmas. <i>Journal of Applied Physics</i> , 2004, 96, 3443-3446.	2.5	22
5267	Fabrication of Nanowires Using High-Energy Ion Beams. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3407-3409.	2.6	57
5268	Molecular Dynamics Study of Tryptophylglycine: A Dipeptide Nanotube with Confined Water. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6458-6466.	2.6	12
5269	Iron Catalysts Reactivation for Efficient CVD Growth of SWNT with Base-growth Mode on Surface. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12665-12668.	2.6	38
5270	Large-Scale Synthesis of Uniform Nanotubes of a Nickel Complex by a Solution Chemical Route. <i>Journal of the American Chemical Society</i> , 2004, 126, 4530-4531.	13.7	68
5271	Low-Frequency and Abnormal Raman Spectrum in SnO ₂ Nanorods. <i>Chinese Physics Letters</i> , 2004, 21, 156-159.	3.3	15
5272	Carbon nanotube alignment by surface acoustic waves. <i>Applied Physics Letters</i> , 2004, 85, 1427-1429.	3.3	86
5273	Production of Hydrogen and Carbon Nanostructures by Non-oxidative Catalytic Dehydrogenation of Ethane and Propane. <i>Energy & Fuels</i> , 2004, 18, 727-735.	5.1	45
5274	A Novel Approach To Prepare Poly(3,4-ethylenedioxythiophene) Nanoribbons between V ₂ O ₅ Layers by Microwave Irradiation. <i>Journal of Physical Chemistry B</i> , 2004, 108, 10736-10742.	2.6	59

#	ARTICLE	IF	CITATIONS
5275	Magnetically Assembled Multiwalled Carbon Nanotubes on Ferromagnetic Contacts. Journal of Physical Chemistry B, 2004, 108, 19818-19824.	2.6	21
5276	Salt-Assisted Deposition of SnO ₂ on β -MoO ₃ Nanorods and Fabrication of Polycrystalline SnO ₂ Nanotubes. Journal of Physical Chemistry B, 2004, 108, 5867-5874.	2.6	111
5277	Noncovalent Functionalization of Carbon Nanotubes with Molecular Anchors Using Supercritical Fluids. Journal of Physical Chemistry B, 2004, 108, 8737-8741.	2.6	44
5278	Molecular Structures of Magnesium Dichloride Sheets and Nanoballs. Inorganic Chemistry, 2004, 43, 4482-4486.	4.0	4
5279	Multiwalled carbon nanotubes as solid-phase extraction adsorbent for the preconcentration of trace metal ions and their determination by inductively coupled plasma atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2004, 19, 1489.	3.0	240
5280	Synergic Nitrogen Source Route to Inorganic Fullerene-like Boron Nitride with Vessel, Hollow Sphere, Onion, and Peanut Nanostructures. Inorganic Chemistry, 2004, 43, 822-829.	4.0	49
5281	Synthesis of Dimethyl Oxalate from CO and CH ₃ ONO on Carbon Nanofiber Supported Palladium Catalysts. Industrial & Engineering Chemistry Research, 2004, 43, 4595-4601.	3.7	55
5282	Curvilinear Lattice in Chiral Carbon Nanotubes. IEEE Nanotechnology Magazine, 2004, 3, 425-431.	2.0	1
5283	Polymer Electrolyte-Gated Carbon Nanotube Field-Effect Transistor. Nano Letters, 2004, 4, 623-627.	9.1	113
5284	Dispersion and Purification of Single-Wall Carbon Nanotubes Using Carboxymethylcellulose. Japanese Journal of Applied Physics, 2004, 43, 3636-3639.	1.5	79
5285	High-Yield Carbon Nanorods Obtained by a Catalytic Copyrolysis Process. Inorganic Chemistry, 2004, 43, 5432-5435.	4.0	34
5286	Surface Modification of Carbon Nanofiber with High Degree of Graphitization. Journal of Physical Chemistry B, 2004, 108, 1533-1536.	2.6	81
5287	Inorganic Nanodots from Thin Films of Block Copolymers. Nano Letters, 2004, 4, 1841-1844.	9.1	113
5288	Growth of NaFe ₄ P ₁₂ Skutterudite Single Crystalline Nanosprings Synthesized through a Hydrothermal Reduction-Alloying Method. Journal of Physical Chemistry B, 2004, 108, 13254-13257.	2.6	9
5289	Atomic structures and stabilities of zigzag- and armchair-type boron nitride nanotubes studied by high-resolution electron microscopy and molecular mechanics calculation. Diamond and Related Materials, 2004, 13, 1254-1260.	3.9	15
5290	Preparation of Mg _{1-x} Fe _x MoO ₄ catalyst and its application to grow MWNTs with high efficiency. Diamond and Related Materials, 2004, 13, 1807-1811.	3.9	30
5291	Study of CNT synthesis mechanism by in-situ spectroscopy. Diamond and Related Materials, 2004, 13, 999-1003.	3.9	2
5292	Anodic aluminum oxide template assisted growth of vertically aligned carbon nanotube arrays by ECR-CVD. Diamond and Related Materials, 2004, 13, 1949-1953.	3.9	17

#	ARTICLE	IF	CITATIONS
5293	Patterned aligned growth of carbon nanotubes on porous structure templates using chemical vapor deposition methods. <i>Diamond and Related Materials</i> , 2004, 13, 1232-1236.	3.9	11
5294	Hot filament enhanced CVD synthesis of carbon nanotubes by using a carbon filament. <i>Diamond and Related Materials</i> , 2004, 13, 438-444.	3.9	38
5295	Sidewall modification of single-walled carbon nanotubes using photolysis of perfluoroazooctane. <i>Diamond and Related Materials</i> , 2004, 13, 1971-1974.	3.9	14
5296	Field emission properties of aligned carbon nanotubes grown on stainless steel using CH ₄ /CO ₂ reactant gas. <i>Diamond and Related Materials</i> , 2004, 13, 1026-1031.	3.9	27
5297	Laser irradiation effect on electron field emission properties of carbon nanotubes. <i>Diamond and Related Materials</i> , 2004, 13, 1004-1007.	3.9	16
5298	Carbon nanotubes synthesized by CVD method on Au/Ni films and the field emission properties. <i>Diamond and Related Materials</i> , 2004, 13, 1187-1190.	3.9	5
5299	Pretreatment of Ni-carboxylates metal-organics for growing carbon nanotubes on silicon substrates. <i>Diamond and Related Materials</i> , 2004, 13, 1242-1248.	3.9	4
5300	The electrical conduction mechanism of multiwalled carbon nanotubes film synthesized by microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2004, 13, 2131-2135.	3.9	5
5301	Encapsulation of multi-walled carbon nanotubes (MWCNTs) in Ba ²⁺ -alginate to form coated micro-beads and their application to the pre-concentration/elimination of dibenzo-p-dioxin, dibenzofuran, and biphenyl from contaminated water. <i>Analyst</i> , 2004, 129, 565.	3.5	24
5302	1,2-Dichlorobenzene Interacting with Carbon Nanotubes. <i>Nano Letters</i> , 2004, 4, 1285-1288.	9.1	153
5303	Carbon nanotube composites. <i>International Materials Reviews</i> , 2004, 49, 31-43.	19.3	646
5304	Electronic, thermal and mechanical properties of carbon nanotubes. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2004, 362, 2065-2098.	3.4	475
5305	Surface Control of Activated Carbon Fiber by Growth of Carbon Nanofiber. <i>Langmuir</i> , 2004, 20, 5559-5563.	3.5	49
5306	Curvature effects on the structural, electronic and optical properties of isolated single-walled carbon nanotubes within a symmetry-adapted non-orthogonal tight-binding model. <i>New Journal of Physics</i> , 2004, 6, 17-17.	2.9	198
5307	Synthesis of diamond hexagonal nanoplatelets by microwave plasma chemical vapor deposition. <i>Diamond and Related Materials</i> , 2004, 13, 2056-2062.	3.9	11
5308	Model calculations of electric forces acting on carbon nanotube tip in DC-plasma sheath. <i>Diamond and Related Materials</i> , 2004, 13, 503-506.	3.9	7
5309	Formation of nano-scale tubular structure of single crystal diamond. <i>Diamond and Related Materials</i> , 2004, 13, 1614-1617.	3.9	13
5310	Formation of encapsulated molybdenum carbide particles by annealing mechanically activated mixtures of amorphous carbon with molybdenum. <i>Carbon</i> , 2004, 42, 2067-2067.	10.3	4

#	ARTICLE	IF	CITATIONS
5311	Carbon nanotube Y junctions: growth and properties. Diamond and Related Materials, 2004, 13, 241-249.	3.9	69
5312	Novel selective process via self-assembled monolayers for pattern growth of carbon nanotubes. Diamond and Related Materials, 2004, 13, 1222-1227.	3.9	2
5313	Electrical properties of annealed MPCVD grown vertically aligned carbon nanotube films. Diamond and Related Materials, 2004, 13, 2156-2159.	3.9	5
5314	Low-temperature synthesis of carbon nanotubes using corona discharge plasma at atmospheric pressure. Diamond and Related Materials, 2004, 13, 111-115.	3.9	30
5315	Formation of carbon-nano-fibres and carbon-nanotubes with a vertical flow-reactor. Diamond and Related Materials, 2004, 13, 1191-1197.	3.9	20
5316	Formation of close-packed multi-wall carbon nanotube bundles. Diamond and Related Materials, 2004, 13, 180-183.	3.9	15
5317	Characteristics of carbon nanotube electron field emission devices prepared by LTCC process. Diamond and Related Materials, 2004, 13, 982-986.	3.9	12
5318	Self-assembly of uniform carbon nanotip structures in chemically active inductively coupled plasmas. Diamond and Related Materials, 2004, 13, 1923-1929.	3.9	74
5319	Formation, Characterization, and Magnetic Properties of Fe ₃ O ₄ Nanowires Encapsulated in Carbon Microtubes. Journal of Physical Chemistry B, 2004, 108, 10859-10862.	2.6	93
5320	Theoretical study of crossed and parallel carbon nanotube junctions and three-dimensional grid structures. Physical Review B, 2004, 70, .	3.2	34
5321	Pure Hydrogen Production by Partial Dehydrogenation of Cyclohexane and Methylcyclohexane over Nanotube-Supported Pt and Pd Catalysts. Energy & Fuels, 2004, 18, 1429-1433.	5.1	79
5322	Experimental and theoretical studies on the structure of N-doped carbon nanotubes: Possibility of intercalated molecular N ₂ . Applied Physics Letters, 2004, 85, 5742-5744.	3.3	106
5323	Carbon nanotube/metal interface studied by cross-sectional transmission electron microscopy. Physical Review B, 2004, 70, .	3.2	48
5324	Time-Resolved Fluorescence of Carbon Nanotubes and Its Implication for Radiative Lifetimes. Physical Review Letters, 2004, 92, 177401.	7.8	290
5325	Comprehensive spectroscopic study of nitrogenated carbon nanotubes. Physical Review B, 2004, 69, .	3.2	65
5326	GROWTH AND CHARACTERIZATION OF SILICON CARBIDE NANOWIRES. Surface Review and Letters, 2004, 11, 373-378.	1.1	31
5327	Effective Thermal Conductivity of Aqueous Suspensions of Carbon Nanotubes (Carbon Nanotube) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	417
5328	Electrostatic Layer-by-Layer Assembled Carbon Nanotube Multilayer Film and Its Electrocatalytic Activity for O ₂ Reduction. Langmuir, 2004, 20, 8781-8785.	3.5	255

#	ARTICLE	IF	CITATIONS
5329	Fabrication of ZnS@SiC nanocables, SiC-shelled ZnS nanoribbons (and sheets), and SiC nanotubes (and Tj ETQq0 0 0 rgBT /Overlock 1	3.3	73
5330	Environmental Scanning Electron Microscopy Study of Water in Carbon Nanopipes. Nano Letters, 2004, 4, 989-993.	9.1	202
5331	Synthesis of Pyrene-Containing Polymers and Noncovalent Sidewall Functionalization of Multiwalled Carbon Nanotubes. Chemistry of Materials, 2004, 16, 4005-4011.	6.7	163
5332	Synthesis of Polymer Nanospheres and Carbon Nanospheres Using the Monomer 1,8-Dihydroxymethyl-1,3,5,7- octatetrayne. Nano Letters, 2004, 4, 2271-2276.	9.1	42
5333	Synthesis and Electrochemical Properties of Single-Crystal V2O5 Nanorod Arrays by Template-Based Electrodeposition. Journal of Physical Chemistry B, 2004, 108, 9795-9800.	2.6	256
5334	Methane Partitioning and Transport in Hydrated Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 544-549.	2.6	52
5335	Design of New Materials for Methane Storage. Langmuir, 2004, 20, 2683-2689.	3.5	663
5336	Growing Multihydroxyl Hyperbranched Polymers on the Surfaces of Carbon Nanotubes by in Situ Ring-Opening Polymerization. Macromolecules, 2004, 37, 8846-8853.	4.8	159
5337	Dielectrophoresis of carbon nanotubes using microelectrodes: a numerical study. Nanotechnology, 2004, 15, 1095-1102.	2.6	216
5338	Chemical functionalization of carbon nanotubes with 3-methacryloxypropyltrimethoxysilane (3-MPTS). Smart Materials and Structures, 2004, 13, 1263-1267.	3.5	52
5339	Multiple Sharp Bendings of Carbon Nanotubes during Growth to Produce Zigzag Morphology. Nano Letters, 2004, 4, 1781-1784.	9.1	52
5340	The fabrication of a carbon nanotube film on a glassy carbon electrode and its application to determining thyroxine. Nanotechnology, 2004, 15, 287-291.	2.6	55
5341	Ab initiophonon dispersions of single-wall carbon nanotubes. Physical Review B, 2004, 69, .	3.2	69
5342	Abrasive immobilization of carbon nanotubes on a basal plane pyrolytic graphite electrode: application to the detection of epinephrine. Analyst, The, 2004, 129, 225.	3.5	141
5343	New Quantum Nanostructures. , 2004, , 87-94.		0
5344	Synthesis of Carbon Nitride Nanotubes via a Catalytic-Assembly Solvothermal Route. Chemistry of Materials, 2004, 16, 5213-5215.	6.7	110
5345	Synthesis of carbon nitride nanotubes with the C3N4 stoichiometry via a benzene-thermal process at low temperaturesElectronic Supplementary Information (ESI) available: XRD patterns. See http://www.rsc.org/suppdata/cc/b3/b311390f/ . Chemical Communications, 2004, , 26.	4.1	249
5346	Structural systematics in boron-doped single wall carbon nanotubes. Journal of Materials Chemistry, 2004, 14, 669.	6.7	123

#	ARTICLE	IF	CITATIONS
5347	Structural study of nitrogen-doping effects in bamboo-shaped multiwalled carbon nanotubes. Applied Physics Letters, 2004, 84, 2877-2879.	3.3	295
5348	Vacancy-mediated mechanism of nitrogen substitution in carbon nanotubes. Physical Review B, 2004, 69, .	3.2	37
5349	High-Yield Catalytic Synthesis of Thin Multiwalled Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 17695-17698.	2.6	71
5350	Direct Fabrication of Composite and Ceramic Hollow Nanofibers by Electrospinning. Nano Letters, 2004, 4, 933-938.	9.1	1,158
5351	Room temperature preparation of novel Cu ₂ Se nanotubes in organic solvent. Nanotechnology, 2004, 15, 283-286.	2.6	25
5352	Fabrication and characterization of highly ordered Pt nanotubule arrays. Physical Chemistry Chemical Physics, 2004, 6, 1766.	2.8	30
5353	Effect of Sheet Distance on the Optical Properties of Vanadate Nanotubes. Chemistry of Materials, 2004, 16, 731-736.	6.7	48
5354	Toward Large-Scale Integration of Carbon Nanotubes. Langmuir, 2004, 20, 3011-3017.	3.5	144
5355	The Role of Fullerene Hemispheres in Determining Structural Features of Finite-Length Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 11426-11434.	2.6	49
5356	Tubular structures of GaS. Physical Review B, 2004, 69, .	3.2	62
5357	The effect of growth parameters on the aspect ratio and number density of CuO nanorods. Journal of Physics Condensed Matter, 2004, 16, 8531-8543.	1.8	104
5358	Room temperature synthesis of carbon nanofibers containing nitrogen by plasma-enhanced chemical vapor deposition. Applied Physics Letters, 2004, 85, 1244-1246.	3.3	56
5359	Ion ranges and irradiation-induced defects in multiwalled carbon nanotubes. Journal of Applied Physics, 2004, 96, 2864-2871.	2.5	88
5360	Carbon Nanotube Applications in Microelectronics. , 2004, , 477-488.		5
5361	Acoustoelectric current transport through single-walled carbon nanotubes. Physical Review B, 2004, 70, .	3.2	35
5362	In Situ TA-MS Study of the Six-Membered-Ring-Based Growth of Carbon Nanotubes with Benzene Precursor. Journal of the American Chemical Society, 2004, 126, 1180-1183.	13.7	105
5363	Multiscale modelling of nanostructures. Journal of Physics Condensed Matter, 2004, 16, R1537-R1576.	1.8	90
5364	Functionalization of Multiwalled Carbon Nanotubes by Atom Transfer Radical Polymerization and Defunctionalization of the Products. Macromolecules, 2004, 37, 4022-4030.	4.8	281

#	ARTICLE	IF	CITATIONS
5365	Large-Scale Fabrication of Tower-like, Flower-like, and Tube-like ZnO Arrays by a Simple Chemical Solution Route. Langmuir, 2004, 20, 3441-3448.	3.5	444
5366	Hierarchical oxide nanostructures. Journal of Materials Chemistry, 2004, 14, 770.	6.7	95
5367	Substitutional Si Doping in Deformed Carbon Nanotubes. Nano Letters, 2004, 4, 975-977.	9.1	48
5368	Observation of Water Confined in Nanometer Channels of Closed Carbon Nanotubes. Nano Letters, 2004, 4, 2237-2243.	9.1	239
5369	One-Dimensional Character of Combination Modes in the Resonance Raman Scattering of Carbon Nanotubes. Physical Review Letters, 2004, 93, 087401.	7.8	61
5370	Morphology of zigzag carbon nanofibers prepared by catalytic pyrolysis of acetylene using Fe-group containing alloy catalysts. Diamond and Related Materials, 2004, 13, 85-92.	3.9	2
5371	Empirical-potential study of phonon transport in graphitic ribbons. Physical Review B, 2004, 70, .	3.2	52
5372	Metal encapsulated nanotubes of silicon and germanium. Journal of Materials Chemistry, 2004, 14, 555.	6.7	49
5373	Formation and transformation of carbon nanoparticles under electron irradiation. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2205-2222.	3.4	39
5374	Self-Generation of Tiered Surfactant Superstructures for One-Pot Synthesis of Co ₃ O ₄ Nanocubes and Their Close- and Non-Close-Packed Organizations. Langmuir, 2004, 20, 9780-9790.	3.5	246
5375	Electrically Forced Coaxial Nanojets for One-Step Hollow Nanofiber Design. Journal of the American Chemical Society, 2004, 126, 5376-5377.	13.7	312
5376	On the kinetics of carbon nanotube growth by thermal CVD method. Diamond and Related Materials, 2004, 13, 2140-2146.	3.9	49
5377	Coordination and Haptotropic Rearrangement of Cr(CO) ₃ on (n,0) Nanotube Sidewalls: A Dynamical Density Functional Study. Journal of Physical Chemistry B, 2004, 108, 5243-5249.	2.6	25
5378	Energetics and Electronic Structures of Individual Atoms Adsorbed on Carbon Nanotubes. Journal of Physical Chemistry B, 2004, 108, 575-582.	2.6	116
5379	Formation and electronic properties of B-C ₃ single-wall nanotubes upon boron substitution of carbon nanotubes. Physical Review B, 2004, 69, .	3.2	119
5380	Linear and nonlinear optical properties of carbon nanotubes from first-principles calculations. Physical Review B, 2004, 69, .	3.2	236
5381	SIMULATION OF DNA-NANOTUBE INTERACTIONS. Annual Review of Materials Research, 2004, 34, 123-150.	9.3	201
5382	Recent Advances in Methods of Forming Carbon Nanotubes. MRS Bulletin, 2004, 29, 244-250.	3.5	96

#	ARTICLE	IF	CITATIONS
5383	Imaging and Characterization of Molecules and One-Dimensional Crystals Formed within Carbon Nanotubes. MRS Bulletin, 2004, 29, 265-271.	3.5	21
5384	Multi-walled carbon nanotube-based gas sensors for NH ₃ detection. Diamond and Related Materials, 2004, 13, 1327-1332.	3.9	136
5385	Unconventional magnetism in all-carbon nanofoam. Physical Review B, 2004, 70, .	3.2	235
5386	Low-Temperature Growth of Carbon Nanotubes from the Catalytic Decomposition of Carbon Tetrachloride. Journal of the American Chemical Society, 2004, 126, 9936-9937.	13.7	61
5387	Carbon nanotube electron sources and applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2239-2266.	3.4	258
5388	Characterization of carbon nanotubes produced by arc discharge: Effect of the background pressure. Journal of Applied Physics, 2004, 95, 2749-2754.	2.5	63
5389	Solution Redox Chemistry of Carbon Nanotubes. Journal of the American Chemical Society, 2004, 126, 15490-15494.	13.7	298
5390	Room-temperature hydrogen storage characteristics of ZnO nanowires. Applied Physics Letters, 2004, 84, 124-126.	3.3	186
5391	The fabrication and optical properties of highly crystalline ultra-long Cu-doped ZnO nanowires. Nanotechnology, 2004, 15, 1152-1155.	2.6	94
5392	Inorganic nanotubes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2099-2125.	3.4	181
5393	Fluorination of open- and closed-end single-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2004, 6, 1769.	2.8	68
5394	Comparisons on properties and growth mechanisms of carbon nanotubes fabricated by high-pressure and low-pressure plasma-enhanced chemical vapor deposition. Diamond and Related Materials, 2004, 13, 2147-2151.	3.9	17
5395	Effective synthesis of carbon-coated Co and Ni nanocrystallites with improved magnetic properties by AC arc discharge under an N ₂ atmosphere. Nanotechnology, 2004, 15, 43-47.	2.6	27
5396	Metal-Coated Carbon Nanotube Tip for Scanning Tunneling Microscope. Japanese Journal of Applied Physics, 2004, 43, L644-L646.	1.5	36
5397	Low-temperature growth of carbon nanotube by thermal chemical vapor deposition with FeZrN catalyst. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 1834.	1.6	7
5398	The effects of ammonia on the growth of large-scale patterned aligned carbon nanotubes using thermal chemical vapor deposition method. Diamond and Related Materials, 2004, 13, 1203-1209.	3.9	55
5399	One-dimensional nanostructures grown inside carbon nanotubes upon vapor deposition: A growth kinetic approach. Applied Physics Letters, 2004, 84, 4568-4570.	3.3	20
5400	Size effect of nanosized thin-film iron dot on growth of multiwall carbon nanotubes. Journal of Applied Physics, 2004, 95, 7291-7293.	2.5	10

#	ARTICLE	IF	CITATIONS
5401	Carbon nanotubes as field emission sources. Journal of Materials Chemistry, 2004, 14, 933.	6.7	422
5402	Carbon nanotube formation in situ during carbonization in shaped bulk solid cobalt nanoparticle compositions. Journal of Materials Chemistry, 2004, 14, 3063.	6.7	32
5403	Capillary Phase Transitions of n-Alkanes in a Carbon Nanotube. Nano Letters, 2004, 4, 241-244.	9.1	71
5404	Thermal Contraction of Carbon Fullerenes and Nanotubes. Physical Review Letters, 2004, 92, 015901.	7.8	195
5405	Bimetallic Catalysts for the Efficient Growth of SWNTs on Surfaces. Chemistry of Materials, 2004, 16, 799-805.	6.7	47
5406	Molecular-dynamics simulation of structure and thermal behaviour of boron nitride nanotubes. Nanotechnology, 2004, 15, 431-434.	2.6	85
5407	Gigahertz nanomechanical oscillators based on carbon nanotubes. Nanotechnology, 2004, 15, S184-S189.	2.6	112
5408	Anomalous Soft Dynamics of Water in a Nanotube: A Revelation of Nanoscale Confinement. Physical Review Letters, 2004, 93, 035503.	7.8	486
5409	Structural Ordering in Nanotube Polymer Composites. Nano Letters, 2004, 4, 1949-1952.	9.1	88
5410	Printed Organic and Molecular Electronics. , 2004, , .		142
5411	Selectable functionalization of single-walled carbon nanotubes resulting from CH _n (n=1-3) adsorption. Physical Review B, 2004, 69, .	3.2	23
5412	Electronic properties of FeCl ₃ -intercalated single-wall carbon nanotubes. Physical Review B, 2004, 70, .	3.2	64
5413	Synthesis of Eu ₂ O ₃ Nanotube Arrays through a Facile Sol-Gel Template Approach. Journal of the American Chemical Society, 2004, 126, 5976-5977.	13.7	183
5414	Large-Scale Synthesis of High-Quality Double-Walled Carbon Nanotubes by Catalytic Decomposition of n-Hexane. Journal of Physical Chemistry B, 2004, 108, 2192-2194.	2.6	60
5415	Bundles of identical double-walled carbon nanotubes. Chemical Communications, 2004, , 2592.	4.1	14
5416	Purification of multi-walled carbon nanotubes by microwave digestion method. Diamond and Related Materials, 2004, 13, 1182-1186.	3.9	112
5417	Sol-gel transcription of silica-based hybrid nanostructures using poly(N-vinylpyrrolidone)-coated [60]fullerene, single-walled carbon nanotube and block copolymer templates. Journal of Materials Chemistry, 2004, 14, 2106-2114.	6.7	48
5418	Large-Scale Synthesis of Perpendicularly Aligned Helical Carbon Nanotubes. Journal of the American Chemical Society, 2004, 126, 5070-5071.	13.7	136

#	ARTICLE	IF	CITATIONS
5419	Lithium insertion into the raw multi-walled carbon nanotubes pre-doped with lithium—an electrochemical impedance study. <i>Diamond and Related Materials</i> , 2004, 13, 99-105.	3.9	17
5420	Spectroscopic characterization of Stone-Wales defects in nanotubes. <i>Physical Review B</i> , 2004, 69, .	3.2	134
5421	Density Functional Calculations of the ^{13}C NMR Chemical Shifts in (9,0) Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2004, 126, 13079-13088.	13.7	152
5422	Improved Optoelectronic Characteristics of Light-Emitting Diodes by Using a Dehydrated Nanotube Titanic Acid (DNTA)-Polymer Nanocomposite. <i>Journal of Physical Chemistry B</i> , 2004, 108, 13928-13931.	2.6	36
5423	Chirality dependence of the thermal conductivity of carbon nanotubes. <i>Nanotechnology</i> , 2004, 15, 936-939.	2.6	110
5424	Co-catalysed VLS growth of novel ceramic nanostructures Electronic supplementary information (ESI) available: TEM, SEM and HRTEM images for MgO, SiO _x and AlO _x ceramic nanomaterials. See http://www.rsc.org/suppdata/jm/b3/b312498n/ . <i>Journal of Materials Chemistry</i> , 2004, 14, 685.	6.7	23
5425	Rigid crystalline phases of polymerized fullerenes. <i>Physical Review B</i> , 2004, 70, .	3.2	36
5426	Introduction to Carbon Nanotubes. , 2004, , 39-98.		6
5427	Commensurate double-walled carbon nanotubes: Symmetry and phonons. <i>Physical Review B</i> , 2004, 69, .	3.2	9
5428	On the conditions of carbon nanotube growth in the arc discharge. <i>Nanotechnology</i> , 2004, 15, 1571-1575.	2.6	91
5429	Optical spectra of single-walled boron nitride nanotubes. <i>Physical Review B</i> , 2004, 69, .	3.2	40
5430	Kinetics for the Synthesis Reaction of Aligned Carbon Nanotubes: A Study Based on in situ Diffractography. <i>Nano Letters</i> , 2004, 4, 1613-1620.	9.1	34
5431	Preparation and Characterization of Individual Peptide-Wrapped Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2004, 126, 7222-7227.	13.7	268
5432	Smallest Carbon Nanotube Is 3.4 Å in Diameter. <i>Physical Review Letters</i> , 2004, 92, 125502.	7.8	272
5433	Towards the integration of carbon nanotubes in microelectronics. <i>Diamond and Related Materials</i> , 2004, 13, 1296-1300.	3.9	91
5434	Dielectrophoretic Batch Fabrication of Bundled Carbon Nanotube Thermal Sensors. <i>IEEE Nanotechnology Magazine</i> , 2004, 3, 395-403.	2.0	108
5435	Electron Transport Through Metal-Multiwall Carbon Nanotube Interfaces. <i>IEEE Nanotechnology Magazine</i> , 2004, 3, 311-317.	2.0	94
5436	Carbon fiber and nanotube based composites with polypyrrole fabric as electromagnetic absorbers. <i>Smart Materials and Structures</i> , 2004, 13, 1040-1044.	3.5	67

#	ARTICLE	IF	CITATIONS
5437	Highly sensitive and selective sensors based on carbon nanotubes thin films for molecular detection. Diamond and Related Materials, 2004, 13, 1301-1305.	3.9	146
5438	Fabrication of discrete carbon nanotube based nano-scaled force sensors. , 0, , .		14
5439	Field-Effect and Single-Electron Transistors Based on Single-Walled Carbon Nanotubes Catalyzed by Al/Ni Thin Films. IEEE Nanotechnology Magazine, 2004, 3, 202-209.	2.0	12
5440	Chemical functionalization by a fluorinated trichlorosilane of multi-walled carbon nanotubes. Nanotechnology, 2004, 15, 781-785.	2.6	81
5441	Control of carbon nanotube morphology by change of applied bias field during growth. Applied Physics Letters, 2004, 85, 5373-5375.	3.3	38
5442	SWNT and MWNT Reinforced Carbon Nanocomposite Fibrils. , 2004, , .		1
5443	Effective Elastic Properties of Carbon Nanotubes and Carbon Nanotube Reinforced Composites. , 2004, , .		1
5444	Thermoelectric and Thermionic Emission Properties of Carbon Nanotubes. , 2004, , .		0
5445	Potential Impact of Carbon Nanotube Reinforced Polymer Composite on Commercial Aircraft Performance and Economics. , 2004, , .		12
5446	Electrical and Mechanical Properties of Composite Materials Based on Carbon Nanotubes for Aerospace Applications. , 2004, , .		1
5447	Carbon Nanotubes and Semiconducting Nanostructures: Current Views and Future Perspectives. , 2004, , .		2
5448	Comparative study of the optical properties of single-walled carbon nanotubes within orthogonal and nonorthogonal tight-binding models. Physical Review B, 2004, 70, .	3.2	159
5449	Growth of Boehmite Nanofibers by Assembling Nanoparticles with Surfactant Micelles. Journal of Physical Chemistry B, 2004, 108, 4245-4247.	2.6	106
5450	Second- and third- harmonic generation in single-walled carbon nanotubes at nanosecond time scale. Applied Physics Letters, 2004, 85, 1418-1420.	3.3	43
5451	Gold/Carbon Composite Tubes and Gold Nanowires by Impregnating Templates with Hydrogen Tetrachloroaurate/Acetone Solutions. Nano Letters, 2004, 4, 1121-1125.	9.1	56
5452	Nanomechanics of single and multiwalled carbon nanotubes. Physical Review B, 2004, 69, .	3.2	298
5453	Controlling the density of vertically aligned carbon nanotubes by dc bias sputtering with gas mixtures. Diamond and Related Materials, 2004, 13, 1228-1231.	3.9	2
5454	Metallic- \rightarrow semiconducting transition of single-walled carbon nanotubes under high axial strain. Computational Materials Science, 2004, 31, 33-41.	3.0	18

#	ARTICLE	IF	CITATIONS
5455	Theoretical analysis on electronic properties of zigzag-type single-walled carbon nanotubes under radial deformation. <i>Computational Materials Science</i> , 2004, 30, 283-287.	3.0	22
5456	Static polarizability of carbon nanotubes: ab initio independent-particle calculations. <i>Computational Materials Science</i> , 2004, 30, 269-273.	3.0	44
5457	Computational and experimental study of interfacial bonding of single-walled nanotube reinforced composites. <i>Computational Materials Science</i> , 2004, 31, 225-236.	3.0	361
5458	Characterization of multi-walled carbon nanotube/phenylethynyl terminated polyimide composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2004, 35, 67-74.	7.6	197
5459	Carbon nanotube polymer composites. <i>Current Opinion in Solid State and Materials Science</i> , 2004, 8, 31-37.	11.5	789
5460	Serpentine nanotubes in the Mighei CM chondrite. <i>Earth and Planetary Science Letters</i> , 2004, 223, 141-146.	4.4	26
5461	DNA biosensors based on self-assembled carbon nanotubes. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 1433-1437.	2.1	119
5462	Functionalization of carbon nanotubes. <i>Synthetic Metals</i> , 2004, 141, 113-122.	3.9	250
5463	Miniaturized capillary electrophoresis system with a carbon nanotube microelectrode for rapid separation and detection of thiols. <i>Talanta</i> , 2004, 64, 1018-1023.	5.5	185
5464	Computation of powder diffraction patterns for carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2004, 382, 123-127.	5.5	13
5465	Synthesis of ultrafine lanthanum hydroxide nanorods by a simple hydrothermal process. <i>Materials Letters</i> , 2004, 58, 1180-1182.	2.6	62
5466	Preparation of powders of selenium nanorods and nanowires by microwave-polyol method. <i>Materials Letters</i> , 2004, 58, 1234-1236.	2.6	45
5467	Microwave-assisted polythiol reduction method: a new solid-liquid route to fast preparation of silver nanowires. <i>Materials Letters</i> , 2004, 58, 1517-1519.	2.6	31
5468	Synthesis of vanadium oxide nanotubes from V ₂ O ₅ sols. <i>Materials Letters</i> , 2004, 58, 2275-2278.	2.6	67
5469	Nanoscale azo pigment immobilized on carbon nanotubes via liquid phase reprecipitation approach. <i>Materials Letters</i> , 2004, 58, 2238-2242.	2.6	8
5470	Synthesis of B-N nanotubes by means of gas arc discharge with a rotating anode. <i>Materials Letters</i> , 2004, 58, 2878-2881.	2.6	14
5471	The novel bicrystalline GaN nanorods. <i>Materials Letters</i> , 2004, 58, 3578-3581.	2.6	13
5472	A study of activated carbon nanotubes as double-layer capacitors electrode materials. <i>Materials Letters</i> , 2004, 58, 3774-3777.	2.6	78

#	ARTICLE	IF	CITATIONS
5473	Enhanced field emission properties of MoO ₂ nanorods with controllable shape and orientation. <i>Materials Letters</i> , 2004, 58, 3812-3815.	2.6	60
5474	Low-temperature growth and optical properties of radial ZnO nanowires. <i>Materials Letters</i> , 2004, 58, 3976-3979.	2.6	35
5475	Carbon nanotubes induced nonisothermal crystallization of ethylene/vinyl acetate copolymer. <i>Materials Letters</i> , 2004, 58, 3967-3970.	2.6	68
5476	Structure of carbon onions and nanotubes formed by arc in liquids. <i>Journal of Chemical Physics</i> , 2004, 120, 1055-1058.	3.0	79
5477	Basal Plane Pyrolytic Graphite Modified Electrodes: A Comparison of Carbon Nanotubes and Graphite Powder as Electrocatalysts. <i>Analytical Chemistry</i> , 2004, 76, 2677-2682.	6.5	481
5478	Carbon nanowalls and related materials. <i>Journal of Materials Chemistry</i> , 2004, 14, 469.	6.7	275
5479	Poly(N-isopropylacrylamide)-Coated Carbon Nanotubes: A Temperature-Sensitive Molecular Nanohybrids in Water. <i>Macromolecules</i> , 2004, 37, 6683-6686.	4.8	129
5480	Flashing Carbon on Cold Surfaces. <i>Journal of Physical Chemistry B</i> , 2004, 108, 3686-3690.	2.6	44
5481	Reinforcement of Polymers with Carbon Nanotubes: The Role of Nanotube Surface Area. <i>Nano Letters</i> , 2004, 4, 353-356.	9.1	456
5482	CoNTub: An Algorithm for Connecting Two Arbitrary Carbon Nanotubes. <i>Journal of Chemical Information and Computer Sciences</i> , 2004, 44, 1639-1646.	2.8	110
5483	Synthesis of TiO ₂ /SiO ₂ Core/Shell Nanocable Arrays. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14866-14869.	2.6	83
5484	UNUSUAL PROPERTIES AND STRUCTURE OF CARBON NANOTUBES. <i>Annual Review of Materials Research</i> , 2004, 34, 247-278.	9.3	438
5485	In situ synthesis of carbon nanotubes decorated with palladium nanoparticles using arc-discharge in solution method. <i>Journal of Applied Physics</i> , 2004, 96, 5152-5157.	2.5	52
5486	From Elemental Carbon to Complex Macromolecular Networks in Space. , 2004, , 97-126.		9
5487	Mesoscopic Transport in Chemically Doped Carbon Nanotubes. <i>Physical Review Letters</i> , 2004, 92, 256805.	7.8	226
5488	Self-Assembled Hexa-peri-hexabenzocoronene Graphitic Nanotube. <i>Science</i> , 2004, 304, 1481-1483.	12.6	985
5489	An overview of advances in heat conduction models and approaches for prediction of thermal conductivity in thin dielectric films. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2004, 14, 12-65.	2.8	24
5490	Assembly of Well-Aligned Multiwalled Carbon Nanotubes in Confined Polyacrylonitrile Environments: Electrospun Composite Nanofiber Sheets. <i>Journal of the American Chemical Society</i> , 2004, 126, 15754-15761.	13.7	358

#	ARTICLE	IF	CITATIONS
5491	Formation of Closed-Cage Nanostructures by Self-Assembly of Aromatic Dipeptides. Nano Letters, 2004, 4, 581-585.	9.1	401
5492	The electrochemical properties of $\text{MmNi}_{3.6}\text{Co}_{0.7}\text{Al}_{0.3}\text{Mn}_{0.4}$ alloy modified with carbon nanomaterials by ball milling. Journal of Alloys and Compounds, 2004, 364, 250-256.	5.5	18
5493	FUNCTIONAL OXIDE NANOBELTS: Materials, Properties and Potential Applications in Nanosystems and Biotechnology. Annual Review of Physical Chemistry, 2004, 55, 159-196.	10.8	445
5494	Large scale, templateless, surfactantless route to rapid synthesis of uniform poly(o-phenylenediamine) nanobelts. Chemical Communications, 2004, , 1182.	4.1	111
5495	Bulk Synthesis of Single-Crystalline Magnesium Oxide Nanotubes. Inorganic Chemistry, 2004, 43, 2462-2464.	4.0	97
5496	Magnetization of armchair carbon tori. Physical Review B, 2004, 70, .	3.2	36
5497	Carbon nanotubes produced by aerosol pyrolysis: growth mechanisms and post-annealing effects. Diamond and Related Materials, 2004, 13, 1266-1269.	3.9	68
5498	Specific heat and quantized thermal conductance of single-walled boron nitride nanotubes. Physical Review B, 2004, 69, .	3.2	168
5499	Model-based computation of powder diffraction patterns for carbon nanotubes. Diamond and Related Materials, 2004, 13, 1218-1221.	3.9	11
5500	Conducting transparent thin films based on Carbon Nanotubes " Conducting Polymers. AIP Conference Proceedings, 2004, , .	0.4	3
5501	Nanofibrous Membranes Prepared by Multiwalled Carbon Nanotube/Poly(methyl methacrylate) Composites. Macromolecules, 2004, 37, 9899-9902.	4.8	223
5502	FIBER-BASED ELECTRICAL AND OPTICAL DEVICES AND SYSTEMS. Textile Progress, 2004, 36, 1-84.	2.0	12
5503	Heterostructures of ZnO Nanorods with Various One-Dimensional Nanostructures. Journal of Physical Chemistry B, 2004, 108, 12318-12326.	2.6	127
5504	Fabrication and ethanol sensing characteristics of ZnO nanowire gas sensors. Applied Physics Letters, 2004, 84, 3654-3656.	3.3	1,869
5505	Single graphene sheet detected in a carbon nanofilm. Applied Physics Letters, 2004, 84, 2403-2405.	3.3	94
5506	Microscopic and Macroscopic Polarization in C60 Fullerene Clusters as Calculated by an Electrostatic Interaction Model. Journal of Physical Chemistry B, 2004, 108, 8226-8233.	2.6	31
5507	Novel nanoscale architectures: coated nanotubes and other nanowires. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2127-2142.	3.4	12
5508	Germanium Nanowires and Core~Shell Nanostructures by Chemical Vapor Deposition of $[\text{Ge}(\text{C}_5\text{H}_5)_2]$. Chemistry of Materials, 2004, 16, 2449-2456.	6.7	118

#	ARTICLE	IF	CITATIONS
5509	Large-scale growth of In ₂ O ₃ nanowires and their optical properties. Nanotechnology, 2004, 15, 596-600.	2.6	104
5510	Electrochemical Biosensing Platforms Using Platinum Nanoparticles and Carbon Nanotubes. Analytical Chemistry, 2004, 76, 1083-1088.	6.5	1,017
5511	Carbon nanotubes for the delivery of therapeutic molecules. Expert Opinion on Drug Delivery, 2004, 1, 57-65.	5.0	154
5512	Field emission mechanisms of graphitic nanostructures. Physical Review B, 2004, 70, .	3.2	59
5513	Destructive Constructions of Nanostructures With Carbon Nanotubes Through Nanorobotic Manipulation. IEEE/ASME Transactions on Mechatronics, 2004, 9, 350-357.	5.8	102
5514	Synthesis of Sb ₂ Se ₃ nanorod using β -cyclodextrin. Materials Letters, 2004, 58, 169-171.	2.6	22
5515	Controllable fabrication of tube-in-tubes using anodic aluminum oxide templates. Synthetic Metals, 2004, 140, 135-138.	3.9	12
5516	Structural transformation of carbon nanotubes to silicon carbide nanorods or microcrystals by the reaction with different silicon sources in rf induced CVD reactor. Synthetic Metals, 2004, 140, 309-315.	3.9	13
5517	DMPK Equation for Transmission Eigenvalues in Metallic Carbon Nanotubes. Journal of the Physical Society of Japan, 2004, 73, 9-12.	1.6	45
5518	Boundary friction on molecular lubricants: rolling mode?. Low Temperature Physics, 2004, 30, 317-320.	0.6	0
5519	25.1: Field Emission from Carbon Nanotubes Grown by a Triode-type DC Plasma Enhanced CVD. Digest of Technical Papers SID International Symposium, 2004, 35, 924.	0.3	3
5520	Kohlenstoff-Nanoröhren: Bausteine der Mikroelektronik von Morgen?. Nachrichten Aus Der Chemie, 2004, 52, 137-140.	0.0	3
5521	25.4: Micro-Patterned Carbon Nanotube Arrays Using Pen-Writable Lyotropic Liquid Crystals. Digest of Technical Papers SID International Symposium, 2004, 35, 936.	0.3	1
5522	Chemical design of inorganic nanowires, nanotubes and nanowire networks. , 2004, 5593, 173.		0
5524	Polyaniline-nanotube multifunctional fiber: capabilities toward the manufacturing of smart fabric. , 2004, , .		0
5525	Carbon nanotube sheet actuator: theoretical and experimental investigations. , 2004, , .		2
5527	Biocompatibility of carbon nanotube disk. , 2004, , .		1
5528	19.2: Spray-Coating Process for Preparing CNT-FED Cathode. Digest of Technical Papers SID International Symposium, 2004, 35, 825.	0.3	0

#	ARTICLE	IF	CITATIONS
5529	Multiple-layer conduction and scattering property in multi-walled carbon nanotubes. New Journal of Physics, 2004, 6, 3-3.	2.9	9
5530	Interaction of Laser Light and Electrons with Nanotubes. Physica Scripta, 2004, 110, 262.	2.5	8
5531	P-32: Catalyst-Free Synthesis of a Carbon-Nanotube Emitter for FEDs. Digest of Technical Papers SID International Symposium, 2004, 35, 353.	0.3	0
5532	P-33: Effect of Surface Treatments on Screen-Printed Carbon-Nanotube Films by Argon Plasma. Digest of Technical Papers SID International Symposium, 2004, 35, 356.	0.3	1
5533	Synthesis and Characterization of Barium Sulfate Nanotubes. Chemistry Letters, 2004, 33, 1384-1385.	1.3	8
5534	Multiwalled Carbon Nanotubes/Co ₃ O ₄ Nanocomposites and Its Electrochemical Performance in Lithium Storage. Chemistry Letters, 2004, 33, 1560-1561.	1.3	34
5535	A Simple Method for Synthesizing Copper Nanotube Arrays. Chemistry Letters, 2004, 33, 166-167.	1.3	11
5536	Curdlan and Schizophyllan (Î ² -1,3-Glucans) can Entrap Single-wall Carbon Nanotubes in Their Helical Superstructure. Chemistry Letters, 2004, 33, 232-233.	1.3	94
5537	An Efficient Template Pathway to Synthesis of Ordered Metal Oxide Nanotube Arrays Using Metal Acetylacetonates as Single-Source Molecular Precursors. Chemistry Letters, 2004, 33, 1128-1129.	1.3	38
5538	Large Scale Synthesis of Carbon Hollow Spheres from Metal Zinc Powder and Ethanol. Chemistry Letters, 2004, 33, 1346-1347.	1.3	5
5539	Structural Change of Î±-Carbon Nanotube Through Annealing. Chemistry Letters, 2004, 33, 162-163.	1.3	9
5540	Growth of Sb ₂ O ₃ Nanotubes via a Simple Surfactant-assisted Solvothermal Process. Chemistry Letters, 2004, 33, 334-335.	1.3	28
5541	Synthesis of Carbon Hollow Spheres by a Reaction of Hexachlorobutadiene with Sodium Azide. Chemistry Letters, 2004, 33, 532-533.	1.3	19
5542	Tellurium Nanorods and Nanowires Prepared by the Microwave-Polyol Method. Chemistry Letters, 2004, 33, 760-761.	1.3	26
5543	Solvothermal Synthesis of Sodium and Potassium Tantalate Perovskite Nanocubes. Chemistry Letters, 2004, 33, 900-901.	1.3	38
5544	Fabrication of Novel Vanadium Dioxide Nanorods as Cathode Material for Rechargeable Lithium Batteries. Chemistry Letters, 2004, 33, 1366-1367.	1.3	39
5545	A Low-temperature Coreduction Route to Boron Nitride Flakes and Hollow Spheres. Chemistry Letters, 2004, 33, 144-145.	1.3	5
5546	Novel SiO ₂ Nanotubes: Synthesis from ZnS Nanowires Templates and Visible Photoluminescence at 615 nm. Chemistry Letters, 2004, 33, 1638-1639.	1.3	7

#	ARTICLE	IF	CITATIONS
5547	Rational Synthetic Strategy. From Layered Structure to MnO ₂ Nanotubes. Chemistry Letters, 2004, 33, 48-49.	1.3	40
5548	Preparation and Characterization of Tungsten-substituted Molybdenum Disulfide Nanorods. Chemistry Letters, 2004, 33, 766-767.	1.3	0
5549	Single-crystalline PbCrO ₄ Nanowires and Their Hydrothermal Transformation to Amorphous PbCr ₃ O ₁₀ Nanotubes. Chemistry Letters, 2004, 33, 880-881.	1.3	17
5550	Synthesis of Needle-like and Flower-like Zinc Oxide by a Simple Surfactant-free Solution Method. Chemistry Letters, 2004, 33, 988-989.	1.3	22
5551	Fullerene Shuttle Memory Device: Classical Molecular Dynamics Study. Journal of the Physical Society of Japan, 2004, 73, 1077-1081.	1.6	28
5552	Fundamentals and Technological Aspects of Carbon Nanotubes. , 2004, , 455-473.		1
5553	Large-Scale Production of Ba ₂ +Alginate-Coated Vesicles of Carbon Nanofibers for DNA-Interactive Pollutant Elimination. Bulletin of the Chemical Society of Japan, 2004, 77, 1945-1950.	3.2	7
5554	Preparation of Carbon Spheres Composed of Entangled Fibers at Low Temperature. Chemistry Letters, 2004, 33, 494-495.	1.3	7
5555	Nanobelt and nanosaw structures of II-VI semiconductors. International Journal of Nanotechnology, 2004, 1, 431.	0.2	57
5556	Field electron emission from randomly oriented nanotubes film grown by CVD process. , 2004, , .		2
5559	Fine modulations in the diffraction pattern of boron nitride nanotubes synthesised by non-ablative laser heating. EPJ Applied Physics, 2004, 28, 293-300.	0.7	3
5560	Periodic solids and electron bands. , 2004, , 73-99.		1
5561	The Kohn-Sham auxiliary system. , 2004, , 135-151.		1
5562	Functionals for exchange and correlation. , 2004, , 152-171.		3
5563	Plane waves and grids: basics. , 2004, , 236-253.		0
5564	Localized orbitals: tight-binding. , 2004, , 272-297.		0
5565	Localized orbitals: full calculations. , 2004, , 298-312.		0
5566	Augmented functions: APW, KKR, MTO. , 2004, , 313-344.		0

#	ARTICLE	IF	CITATIONS
5567	Quantum molecular dynamics (QMD). , 2004, , 371-386.		0
5568	Excitation spectra and optical properties. , 2004, , 406-417.		0
5574	Augmented functions: linear methods. , 2004, , 345-368.		0
5577	A New Method for a Single Semi-Conducting Nanotube Device. , 2004, , 481.		0
5578	Scanning tunnelling microscopy of carbon nanotubes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2187-2203.	3.4	10
5579	Carbon Nanotubes for Storage of Energy. , 2004, , .		2
5580	Giant Fullerene-Like Hollow Spheres Generated from Shock-Compressed C ₆₀ Fullerene by an Impact of Metal Flyer. Materials Transactions, 2004, 45, 5-8.	1.2	3
5581	Electronic Structure of Single-walled Carbon Nanotubes under Tensile Deformation. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2004, 70, 678-683.	0.2	0
5582	Study on Cap Closure Mechanism of Single-Walled Carbon Nanotubes by Molecular Dynamics. Materials Transactions, 2004, 45, 1437-1441.	1.2	0
5583	Preparation of Soluble Carbon Nanotubes and their Applications to the Construction of Nano-Composite Materials. Nippon Gomu Kyokaishi, 2004, 77, 414-419.	0.0	2
5584	SYNTHESIS AND CHARACTERIZATION OF CARBON NANOTUBES FOR HYDROGEN STORAGE. Series on Chemical Engineering, 2004, , 263-316.	0.2	0
5586	Handbook of Layered Materials. , 2004, , .		230
5587	Density functional theory: foundations. , 2004, , 119-134.		6
5588	Fabrication of Poly(p-oxybenzoyl) Nanowhisker. Polymer Journal, 2005, 37, 906-912.	2.7	3
5590	Conducting polymer and carbon mesoporous structures by electrochemical syntheses. Studies in Surface Science and Catalysis, 2005, , 505-516.	1.5	2
5591	In-situ X-ray detection of Xe adsorption in cerineites. Studies in Surface Science and Catalysis, 2005, 158, 933-938.	1.5	0
5592	Controlled growth of silicon nanowires. , 2005, 5838, 285.		1
5593	Photodetector based on networks of carbon nanotubes on decomposed SiO ₂ . , 2005, , .		6

#	ARTICLE	IF	CITATIONS
5594	End-Cap Effects on Vibrational Structures of Finite-Length Carbon Nanotubes. Journal of the American Chemical Society, 2005, 127, 11769-11776.	13.7	59
5595	Hybrid nanostructures for mid-infrared to near-infrared detection. , 2005, 5897, 195.		1
5596	Nanotube and nanowire transistors. , 0, , .		0
5597	<title>On x-ray and neutron micro- and nano-channeling</title>. , 2005, , .		0
5598	Detection of partial discharge in SF6 gas using a carbon nanotube-based gas sensor. Sensors and Actuators B: Chemical, 2005, 105, 164-169.	7.8	127
5599	Radiative Heat Transfer During Growth of Carbon Nanotubes by Vertical Electric-Arc Process. , 2005, , 997.		0
5600	Thickness effect of nanosized thin-film iron dot on growth of multiwall carbon nanotubes. Journal of Applied Physics, 2005, 97, 10J707.	2.5	2
5601	Curvature and basis function effects on electronic and transport properties of carbon nanotubes. , 2005, , 251-263.		0
5602	Present Status and Comparison of Countries Using Lasers in Nanomaterial Research Activities. The Review of Laser Engineering, 2005, 33, 29-35.	0.0	0
5603	Growth of carbon nano-structures in ceramic materials. , 2005, , .		2
5604	59.2: Invited Paper: Development of CNT-FED by Printing Method. Digest of Technical Papers SID International Symposium, 2005, 36, 1716.	0.3	11
5605	Periodic nanometric superstructures for photonic applications. , 2005, 5732, 68.		0
5606	53.3: Invited Paper: CNT FEDs for Large Area and HDTV Applications. Digest of Technical Papers SID International Symposium, 2005, 36, 1620.	0.3	7
5607	Stability analysis of carbon nanotubes via continuum models. , 2005, , .		0
5608	Molecular dynamics simulation of heat pulse propagation in y-junction carbon nanotubes. , 2005, 5725, 14.		0
5609	Functionalized Carbon Nanotubes: Towards the Delivery of Therapeutic Molecules. Journal of Biomedical Nanotechnology, 2005, 1, 133-142.	1.1	38
5610	Vibrational effects in the linear conductance of carbon nanotubes. Europhysics Letters, 2005, 71, 438-444.	2.0	38
5611	P-42: Development of CNT Cathodes for Field-Emission FPDs by Liquid-Phase Fabrication. Digest of Technical Papers SID International Symposium, 2005, 36, 431.	0.3	1

#	ARTICLE	IF	CITATIONS
5612	Aligned blank and metal encapsulated conducting polymer nanotubules. , 2005, , .		0
5613	Effects of binders on the performance of electric double-layer capacitors of carbon nanotube electrodes*. Progress in Natural Science: Materials International, 2005, 15, 453-457.	4.4	6
5614	Toward the Emergence of Nanoneurosurgery: Part I—Progress in Nanoscience, Nanotechnology, and the Comprehension of Events in the Mesoscale Realm. Neurosurgery, 2005, 57, 606-634.	1.1	58
5615	Influence of Catalyst Support and Reaction Gas on Decomposition of Methane over Ni Catalysts. Journal of the Japan Petroleum Institute, 2005, 48, 301-307.	0.6	14
5616	Analyses of Early Stages of Vertically Aligned Carbon Nanotube Growth by Plasma-Enhanced Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2005, 44, 1549-1553.	1.5	15
5617	Superfibers. , 2005, , 65-98.		0
5618	Characterization of carbon and iron nanostructures synthesized by the DC arc discharge method: influence of the location in the reactor and of the pressure. EPJ Applied Physics, 2005, 32, 177-185.	0.7	1
5619	Thermal Characterization of Two Opposing Carbon Nanotube Arrays Using Diffraction-Limited Infrared Microscopy. , 2005, , 835.		2
5620	An Amperometric Glucose Biosensor Based on Glucose Oxidase Immobilized in Electropolymerized Poly(o-aminophenol) and Carbon Nanotubes Composite Film on a Gold Electrode. Analytical Sciences, 2005, 21, 367-371.	1.6	88
5621	Carbon Nanotube Processing Using Ionic Liquids. Journal of the Society of Powder Technology, Japan, 2005, 42, 384-389.	0.1	0
5622	èj'èCæžâ†°ã«ã,ã,«æ—°ã—ã,ã,«ãf1/4ãfœãf³ãfŠãfŽæ\$«éã®ã%µè£1/2. Materia Japan, 2005, 44, 910-916.	0.1	1
5623	Carbon Nanotubes as Fillers. Nippon Gomu Kyokaishi, 2005, 78, 205-210.	0.0	10
5624	71.4: Improved Brightness of a FED with Low-Temperature Carbon Nanotubes. Digest of Technical Papers SID International Symposium, 2005, 36, 1940.	0.3	2
5625	Concrete the aligned CNT-films. , 0, , .		0
5626	53.2: Characteristics of Field Emission from Printed Carbon Nanotubes by Physical Surface Treatments. Digest of Technical Papers SID International Symposium, 2005, 36, 1617.	0.3	0
5627	Fabrication of individual aligned carbon nanotube for scanning probe microscope. Journal of Physics: Conference Series, 2005, 10, 186-189.	0.4	2
5628	Applications of Carbon Nanotubes in Biotechnology and Biomedicine. Journal of Biomedical Nanotechnology, 2005, 1, 3-17.	1.1	242
5629	Transformation Mechanism from Carbon Nanotubes to n-diamond. Journal of Materials Research, 2005, 20, 1485-1489.	2.6	5

#	ARTICLE	IF	CITATIONS
5630	Fabrication of a carbon nanotube protruding electrode array for a retinal prosthesis. , 2005, , .		0
5631	Electrical properties of long molecules: single-walled carbon nanotubes and DNA. International Journal of Nanotechnology, 2005, 2, 90.	0.2	4
5632	Quantum confinement in carbon-nanotube systems. International Journal of Nanotechnology, 2005, 2, 103.	0.2	7
5633	Catalytic Linear Grooving of Graphite Surface Layers by Pt, Ru, and PtRu Nanoparticles. Chemistry Letters, 2005, 34, 1008-1009.	1.3	11
5634	Synthesis and Characterization of Water-Soluble Multi-walled Carbon Nanotubes Functionalized with Polycystine. Chemistry Letters, 2005, 34, 518-519.	1.3	8
5635	A Simple Route to Form Straw-like Carbon Microbundles. Chemistry Letters, 2005, 34, 1422-1423.	1.3	10
5636	Two-step Synthesis of Eu-doped Lu ₂ O ₃ Ultrathin Nanorods and its Luminescent Property. Chemistry Letters, 2005, 34, 824-825.	1.3	2
5637	Preparation of Carbon Micro-beads via an Ethanol-thermal Route. Chemistry Letters, 2005, 34, 846-847.	1.3	16
5638	NANOTECHNOLOGY AND CONCRETE: BACKGROUND, OPPORTUNITIES AND CHALLENGES. , 2005, , 113-122.		24
5639	Carbon Nanotubes/Nanofibers and Carbon Fibers. , 2005, , 175-193.		3
5640	Fabrication and Characterization of Nanostructurally Flowerlike Aggregates of TiO ₂ via a Surfactant-free Solution Route: Effect of Various Reaction Media. Chemistry Letters, 2005, 34, 1044-1045.	1.3	22
5641	A Core-shell Nanostructure of Carbon. Chemistry Letters, 2005, 34, 168-169.	1.3	3
5642	A Facile Route to Fabricate Single-crystalline Antimony Nanotube Arrays. Chemistry Letters, 2005, 34, 930-931.	1.3	13
5643	Synthesis and Characterization of Single Crystal \pm -Fe ₂ O ₃ Nanobelts. Chemistry Letters, 2005, 34, 184-185.	1.3	29
5644	Supramolecular Assembly of Fullerene Derivatives in the Absence or Presence of Double Stranded DNA in Water. Bunseki Kagaku, 2005, 54, 449-454.	0.2	0
5645	High-Density and Well-Aligned Carbon Nanotube Films on Silicon-Carbide Wafers. Journal of the Ceramic Society of Japan, 2005, 113, 637-641.	1.3	1
5646	Electrochemistry and Electroanalytical Applications of Carbon Nanotubes: A Review. Analytical Sciences, 2005, 21, 1383-1393.	1.6	289
5647	Preparation and modification of well-aligned CNTs grown on AAO template. Applied Surface Science, 2005, 239, 320-326.	6.1	11

#	ARTICLE	IF	CITATIONS
5648	Synthesis and Raman analysis of 1D-ZnO nanostructure via vapor phase growth. Applied Surface Science, 2005, 240, 175-179.	6.1	67
5649	Preparation of carbon nanotubes at the surface of Fe/SBA-15 mesoporous molecular sieve. Applied Surface Science, 2005, 243, 151-157.	6.1	17
5650	Study on the mechanism of self-organized carbon nanotips without catalyst by plasma-enhanced hot filament chemical vapor deposition. Applied Surface Science, 2005, 245, 21-25.	6.1	11
5651	Calculation of the emission performance of the carbon nanotube array. Applied Surface Science, 2005, 245, 400-406.	6.1	8
5652	Laser synthesis of amorphous Si-Al oxide nanowires under atmospheric conditions. Applied Surface Science, 2005, 247, 631-635.	6.1	4
5653	Enhanced mechanical properties and morphological characterizations of poly(vinyl alcohol)-carbon nanotube composite films. Applied Surface Science, 2005, 252, 1404-1409.	6.1	149
5654	Electron field emission properties of carbon nanotubes-deposited flexible film. Applied Surface Science, 2005, 251, 258-261.	6.1	17
5655	Fabrication and characterization of high-current-density carbon-nanotube cold cathodes. Applied Surface Science, 2005, 251, 249-253.	6.1	6
5656	Electrophoretic deposition and field emission properties of patterned carbon nanotubes. Applied Surface Science, 2005, 251, 242-244.	6.1	51
5657	Sol-gel template synthesis of highly ordered MnO ₂ nanowire arrays. Journal of Power Sources, 2005, 140, 211-215.	7.8	225
5658	Preparation of hollow carbon nanospheres at low temperature via new reaction route. Journal of Solid State Chemistry, 2005, 178, 908-911.	2.9	23
5659	Coating MWNTs with Cu ₂ O of different morphology by a polyol process. Journal of Solid State Chemistry, 2005, 178, 1488-1494.	2.9	53
5660	Lamellar and filament-like crystals of misfit-layer compounds containing (Sm, Ta, S) and (Pb, Bi, Nb, S) elements. Journal of Solid State Chemistry, 2005, 178, 1539-1550.	2.9	9
5661	A viable way to tailor carbon nanomaterials by irradiation-induced transformations. Radiation Physics and Chemistry, 2005, 73, 334-339.	2.8	13
5662	Photophysical processes of a fluorene derivative containing carbazole unit. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 1171-1174.	3.9	3
5663	Determination of trace rare earth elements by inductively coupled plasma atomic emission spectrometry after preconcentration with multiwalled carbon nanotubes. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2005, 60, 125-129.	2.9	167
5664	Manufacture of a nanotweezer using a length controlled CNT arm. Sensors and Actuators A: Physical, 2005, 120, 193-198.	4.1	44
5665	The effect of the shape of a tip's apex on the fabrication of an AFM tip with an attached single carbon nanotube. Sensors and Actuators A: Physical, 2005, 125, 41-49.	4.1	22

#	ARTICLE	IF	CITATIONS
5666	A chemical sensor for chloromethanes using a nanocomposite of multiwalled carbon nanotubes with poly(3-methylthiophene). <i>Sensors and Actuators B: Chemical</i> , 2005, 106, 766-771.	7.8	83
5667	Controlled fabrication of carbon nanotube NO ₂ gas sensor using dielectrophoretic impedance measurement. <i>Sensors and Actuators B: Chemical</i> , 2005, 108, 398-403.	7.8	141
5668	Gas sensing using single wall carbon nanotubes ordered with dielectrophoresis. <i>Sensors and Actuators B: Chemical</i> , 2005, 111-112, 181-186.	7.8	46
5669	Investigation of strain in individual multi-walled carbon nanotube by a novel moiré method. <i>Journal of Materials Processing Technology</i> , 2005, 170, 108-111.	6.3	7
5670	Buckling analysis of multi-walled carbon nanotubes: a continuum model accounting for van der Waals interaction. <i>Journal of the Mechanics and Physics of Solids</i> , 2005, 53, 303-326.	4.8	345
5671	Experiments and modeling of carbon nanotube-based NEMS devices. <i>Journal of the Mechanics and Physics of Solids</i> , 2005, 53, 1314-1333.	4.8	180
5672	Predicting the elastic properties of single-walled carbon nanotubes. <i>Journal of the Mechanics and Physics of Solids</i> , 2005, 53, 1929-1950.	4.8	76
5673	Rheological characterization of melt processed polycarbonate-multiwalled carbon nanotube composites. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2005, 128, 2-6.	2.4	151
5674	Direct simultaneous determination of dihydroxybenzene isomers at C-nanotube-modified electrodes by derivative voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2005, 575, 275-280.	3.8	206
5675	High dispersion and electrocatalytic properties of platinum nanoparticles on surface-oxidized single-walled carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2005, 577, 93-97.	3.8	67
5676	Direct electrochemistry of microperoxidase 11 using carbon nanotube modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2005, 578, 121-127.	3.8	74
5677	An investigation of lithium intercalation into the carbon nanotubes by a.c. impedance. <i>Journal of Electroanalytical Chemistry</i> , 2005, 580, 340-347.	3.8	28
5678	Electrochemical oxidation of theophylline at multi-wall carbon nanotube modified glassy carbon electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2005, 581, 303-309.	3.8	97
5679	Borosilicate glass matrix composites containing multi-wall carbon nanotubes. <i>Journal of the European Ceramic Society</i> , 2005, 25, 1515-1523.	5.7	63
5680	Controlled assembly of single SWNTs bundle using dielectrophoresis. <i>Microelectronic Engineering</i> , 2005, 81, 83-89.	2.4	94
5681	Catalytic CVD production of carbon nanotubes using ethanol. <i>Microelectronics Journal</i> , 2005, 36, 495-498.	2.0	29
5682	Prevention of microparticle blocking in activated carbon membrane filtration with carbon whisker. <i>Journal of Membrane Science</i> , 2005, 252, 155-163.	8.2	7
5683	Growth of multi-walled carbon nanotubes by injection CVD using cyclopentadienyliron dicarbonyl dimer and cyclooctatetraene iron tricarbonyl. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 116, 369-374.	3.5	37

#	ARTICLE	IF	CITATIONS
5684	Rectangular structure of manganese oxide nanowires. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 122, 110-114.	3.5	2
5685	Studies of nanotube channeling for efficient beam scraping at accelerators. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 230, 619-623.	1.4	12
5686	Carbon nanotubes as adsorbent of solid-phase extraction and matrix for laser desorption/ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 263-270.	2.8	117
5687	Using oxidized carbon nanotubes as matrix for analysis of small molecules by MALDI-TOF MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 883-892.	2.8	154
5688	Covalent assembly of shortened multiwall carbon nanotubes on polyelectrolyte films and relevant electrochemistry study. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 216-221.	9.4	9
5689	Carbon nanotubes as a secondary support of a catalyst layer in a gas diffusion electrode for metal air batteries. <i>Journal of Colloid and Interface Science</i> , 2005, 284, 593-599.	9.4	84
5690	The vibration and photoluminescence properties of one-dimensional ZnO nanowires. <i>Journal of Crystal Growth</i> , 2005, 274, 506-511.	1.5	31
5691	Substrate effect on the growth of well-aligned ZnO nanorod arrays from aqueous solution. <i>Journal of Crystal Growth</i> , 2005, 275, e2069-e2075.	1.5	13
5692	Hydrothermal synthesis of Na ₂ Ti ₆ O ₁₃ and TiO ₂ whiskers. <i>Journal of Crystal Growth</i> , 2005, 275, e2371-e2376.	1.5	27
5693	Construction and photoluminescence of In ₂ O ₃ nanotube array by CVD-template method. <i>Journal of Crystal Growth</i> , 2005, 276, 471-477.	1.5	70
5694	Formation and phase transformation of selenium nanowire arrays in anodic porous alumina templates. <i>Journal of Crystal Growth</i> , 2005, 276, 674-679.	1.5	21
5695	Synthesis and optical properties of single-crystalline bismuth selenide nanorods via a convenient route. <i>Journal of Crystal Growth</i> , 2005, 276, 566-570.	1.5	68
5696	A soft-template-assisted hydrothermal approach to single-crystal Fe ₃ O ₄ nanorods. <i>Journal of Crystal Growth</i> , 2005, 276, 571-576.	1.5	165
5697	Star-shaped ZnO nanostructures on silicon by cyclic feeding chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2005, 277, 479-484.	1.5	76
5698	Catalytic growth of β -FeSi ₂ and silicon nanowires. <i>Journal of Crystal Growth</i> , 2005, 280, 286-291.	1.5	6
5699	Simple hydrothermal preparation of γ -MnOOH nanowires and their low-temperature thermal conversion to β -MnO ₂ nanowires. <i>Journal of Crystal Growth</i> , 2005, 280, 652-657.	1.5	66
5700	Ultrasonic-induced synthesis of CeO ₂ nanotubes. <i>Journal of Crystal Growth</i> , 2005, 281, 525-529.	1.5	84
5701	Facile synthesis of silica-coated Bi ₂ S ₃ nanorods and hollow silica nanotubes. <i>Journal of Crystal Growth</i> , 2005, 282, 79-84.	1.5	23

#	ARTICLE	IF	CITATIONS
5702	In situ synthesis and phase transformation of In ₂ O ₃ /Sb core-shell nanostructures. Journal of Crystal Growth, 2005, 282, 383-388.	1.5	10
5703	AlN nanorings. Journal of Crystal Growth, 2005, 283, 291-296.	1.5	50
5704	Template-mediated growth of Cu ₃ SnS ₄ nanoshell tubes. Journal of Crystal Growth, 2005, 284, 226-234.	1.5	48
5705	Self-template route to Ni ₃ Bi ₂ S ₂ (parkerite) nanoribbons at mild condition. Journal of Crystal Growth, 2005, 284, 412-416.	1.5	8
5706	Polycrystalline tubular nanostructures of germanium. Journal of Crystal Growth, 2005, 285, 59-65.	1.5	6
5707	Large-area synthesis of single-crystal boehmite nanobelts with high luminescent properties. Journal of Crystal Growth, 2005, 285, 555-560.	1.5	51
5708	Long fine single-wall carbon nanotube growth by Nano-spin-threading: model schematics and simulations. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 25, 347-355.	2.7	1
5709	Preparation and photoluminescence of Sc-doped ZnO nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 25, 587-591.	2.7	15
5710	Total energy of charged carbon nanotubes and single-electron tunneling. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 26-31.	2.7	1
5711	First-principles calculations on the open end of single-walled AlN nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 45-50.	2.7	47
5712	Carbon-nanotube-based nanoelectromechanical switch. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 163-175.	2.7	51
5713	A study on carbon nanotube bridge as a electromechanical memory device. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 332-340.	2.7	28
5714	Low-frequency current noise and resistance fluctuations in multiwalled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 57-65.	2.7	22
5715	Effects of argon plasma treating on surface morphology and gas ionization property of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 88-92.	2.7	17
5716	Synthesis of carbon nano-tubes by pulsed laser ablation at normal pressure in metal nano-sol. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 121-127.	2.7	36
5717	Formation of carbon nanotubes from mixture film of carbon and titanium. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 281-285.	2.7	6
5718	Electromechanical modeling and simulations of nanobridge memory device. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 273-280.	2.7	14
5719	Structural and molecular electronic properties of B&N ring doped single-wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 296-308.	2.7	6

#	ARTICLE	IF	CITATIONS
5720	Preparation and characterization of single-phase SiC nanotubes and C-SiC coaxial nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 431-438.	2.7	83
5721	Nanoscience: The quantum frontier. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 447-453.	2.7	4
5722	Nanotube nanoscience: A molecular-dynamics study. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 454-468.	2.7	62
5723	First-principles calculations of contact effect on quantum transport in carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 551-554.	2.7	5
5724	Electronic structure, energetics and geometric structure of carbon nanotubes: A density-functional study. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 555-559.	2.7	53
5725	First-principles study of current-voltage characteristics of two-terminal carbon nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 560-563.	2.7	5
5726	Calculations of electric capacitance in carbon and BN nanotubes, and zigzag nanographite (BN, BCN) ribbons. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 628-632.	2.7	3
5727	Metallization of the semiconducting carbon nanotube by encapsulated bromine molecules. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 693-697.	2.7	14
5728	Formation and atomic structures of boron nitride nanohorns encaging boron nitride cluster. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 712-715.	2.7	5
5729	Stability and electronic structure of single-walled InN nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 30, 81-85.	2.7	51
5730	Magnetization of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 30, 86-92.	2.7	15
5731	Structural and electronic properties of the TiC nanotubes: Density functional-based tight binding calculations. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 30, 164-168.	2.7	23
5732	Stability of disclinations in carbon monolayer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 337, 431-434.	2.1	6
5733	The effect of MWNTs with different diameters on the electrochemical hydrogen storage capability. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 339, 370-377.	2.1	29
5734	Transverse vibrations of double-walled carbon nanotubes under compressive axial load. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 340, 258-266.	2.1	143
5735	Differential geometry and morphology of graphitic carbon materials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 342, 237-246.	2.1	5
5736	Nucleation mechanism and microstructural assessment of SnO ₂ nanowires prepared by pulsed laser deposition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 345, 391-397.	2.1	17
5737	Temperature-dependent carrier dynamics in metallic carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 346, 347-354.	2.1	3

#	ARTICLE	IF	CITATIONS
5738	Carbon nanotubes and fullerenes in high-energy and X-ray physics. <i>Physics Reports</i> , 2005, 412, 89-189.	25.6	89
5739	The catalyst in the CCVD of carbon nanotubes—a review. <i>Progress in Materials Science</i> , 2005, 50, 929-961.	32.8	562
5740	A mechanistic study of fire retardancy of carbon nanotube/ethylene vinyl acetate copolymers and their clay composites. <i>Polymer Degradation and Stability</i> , 2005, 89, 559-564.	5.8	84
5741	Characterization of orientation state of carbon nanotubes in shear flow. <i>Polymer</i> , 2005, 46, 5232-5240.	3.8	133
5742	Uniaxial deformation of an elastomer nanocomposite containing modified carbon nanofibers by in situ synchrotron X-ray diffraction. <i>Polymer</i> , 2005, 46, 5103-5117.	3.8	45
5743	Synthesis and characterization of multi-walled carbon nanotubes reinforced polyamide 6 via in situ polymerization. <i>Polymer</i> , 2005, 46, 5125-5132.	3.8	209
5744	Dynamic mechanical and morphological properties of polycarbonate/multi-walled carbon nanotube composites. <i>Polymer</i> , 2005, 46, 5656-5661.	3.8	84
5745	Polymers and carbon nanotubes—dimensionality, interactions and nanotechnology. <i>Polymer</i> , 2005, 46, 7803-7818.	3.8	276
5746	Deformation processes of ultrahigh porous multiwalled carbon nanotubes/polycarbonate composite fibers prepared by electrospinning. <i>Polymer</i> , 2005, 46, 7346-7351.	3.8	112
5747	Large-size bamboo-shape nanotube from self-assembly of poly(ferrocenyldimethylsilane- <i>b</i> -dimethylsiloxane) block copolymer. <i>Polymer</i> , 2005, 46, 7585-7589.	3.8	13
5748	Polyethylene multiwalled carbon nanotube composites. <i>Polymer</i> , 2005, 46, 8222-8232.	3.8	753
5749	A comparison of reinforcement efficiency of various types of carbon nanotubes in polyacrylonitrile fiber. <i>Polymer</i> , 2005, 46, 10925-10935.	3.8	238
5750	Crystallization, melting and morphology of PEO in PEO/MWNT-g-PMMA blends. <i>Polymer</i> , 2005, 46, 10945-10951.	3.8	65
5751	Nanofibers of self-doped polyaniline. <i>Polymer</i> , 2005, 46, 10688-10698.	3.8	74
5752	Elastic deformation of multiwalled carbon nanotubes in electrospun MWCNTs—PEO and MWCNTs—PVA nanofibers. <i>Polymer</i> , 2005, 46, 12689-12695.	3.8	81
5753	Preparation and characterization of properties of electrospun poly(butylene terephthalate) nanofibers filled with carbon nanotubes. <i>Polymer Testing</i> , 2005, 24, 712-717.	4.8	53
5754	Synthesis of a metal—dicarboxylate hybrid with three dimensional Na—O—Cu connectivity: structure, magnetic property and controlled solid state thermolysis leading to CuO nanorod. <i>Inorganica Chimica Acta</i> , 2005, 358, 1027-1033.	2.4	29
5755	Enhancement of thermal conductivity with carbon nanotube for nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2005, 32, 1202-1210.	5.6	537

#	ARTICLE	IF	CITATIONS
5756	A comparative study of the electrochemical hydrogen storage properties of activated carbon and well-aligned carbon nanotubes mixed with copper. International Journal of Hydrogen Energy, 2005, 30, 643-648.	7.1	43
5757	Raman active modes in carbon peapods. Physica A: Statistical Mechanics and Its Applications, 2005, 358, 226-236.	2.6	13
5758	Electron transport in a toroidal carbon nanotube device. Physica B: Condensed Matter, 2005, 365, 109-113.	2.7	16
5759	Model for thermal conductivity of carbon nanotube-based composites. Physica B: Condensed Matter, 2005, 368, 302-307.	2.7	546
5760	Production of carbon nanotubes with marine manganese nodule as a versatile catalyst. Microporous and Mesoporous Materials, 2005, 81, 73-78.	4.4	18
5761	Novel CuS hollow spheres fabricated by a novel hydrothermal method. Microporous and Mesoporous Materials, 2005, 80, 153-156.	4.4	60
5762	¹²⁹ Xe NMR investigation of catalytic filamentous carbon. Microporous and Mesoporous Materials, 2005, 81, 41-48.	4.4	24
5763	Synthesis of vertically aligned carbon nanotube films on macroporous alumina substrates. Microporous and Mesoporous Materials, 2005, 81, 185-189.	4.4	13
5764	Porphyrin inclusion into hexaniobate nanoscrolls. Microporous and Mesoporous Materials, 2005, 83, 212-218.	4.4	27
5765	Synthesis of ordered mesostructured silica nanotubal arrays. Microporous and Mesoporous Materials, 2005, 84, 69-74.	4.4	28
5766	Statistical design of C10-Co-MCM-41 catalytic template for synthesizing smaller-diameter single-wall carbon nanotubes. Microporous and Mesoporous Materials, 2005, 86, 303-313.	4.4	11
5767	Raman study of titania nanotube by soft chemical process. Journal of Molecular Structure, 2005, 749, 103-107.	3.6	188
5768	Fabrication of carbon nanotube reinforced alumina matrix nanocomposite by sol-gel process. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 395, 124-128.	5.6	152
5769	Mechanics of coiled nanotubes in uniaxial tension. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 408, 136-140.	5.6	19
5770	Modeling of heat capacities of multi-walled carbon nanotubes by molecular structural mechanics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 409, 140-144.	5.6	26
5771	Carbon nanotubes for power applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 116, 233-243.	3.5	169
5772	Characterization methods of carbon nanotubes: a review. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 119, 105-118.	3.5	729
5773	Catalytic synthesis of carbon nanotubes and carbon spheres using Kaolin supported catalyst. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 123, 102-106.	3.5	28

#	ARTICLE	IF	CITATIONS
5774	Novel cold cathode materials and applications. Materials Science and Engineering Reports, 2005, 48, 47-189.	31.8	525
5775	Dispersion and alignment of carbon nanotubes in polymer matrix: A review. Materials Science and Engineering Reports, 2005, 49, 89-112.	31.8	1,674
5776	Possible application of carbon nanotubes to the field emission electron source for portable betatrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 539, 16-24.	1.6	2
5777	Rainbow effect in channeling of high energy protons through single-wall carbon nanotubes. Nuclear Instruments & Methods in Physics Research B, 2005, 234, 78-86.	1.4	16
5778	Nanostructures versus crystals in particle channeling. Nuclear Instruments & Methods in Physics Research B, 2005, 234, 99-105.	1.4	11
5779	Angular distributions of 1GeV protons channeled in bent short single-wall carbon nanotubes. Nuclear Instruments & Methods in Physics Research B, 2005, 230, 106-111.	1.4	20
5780	Channeling technique to make nanoscale ion beams. Nuclear Instruments & Methods in Physics Research B, 2005, 231, 70-75.	1.4	15
5781	Nanotubes for particle channeling, radiation and electron sources. Nuclear Instruments & Methods in Physics Research B, 2005, 234, 57-77.	1.4	45
5782	Simulation study on radius dependence in rare-gas atoms injection into single-wall carbon nanotubes. Nuclear Instruments & Methods in Physics Research B, 2005, 239, 159-163.	1.4	1
5783	Electrophoretic separation of aniline derivatives using fused silica capillaries coated with acid treated single-walled carbon nanotubes. Journal of Chromatography A, 2005, 1074, 187-194.	3.7	70
5784	Coiled carbon nanotubes growth and DSC study in epoxy-based composites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 257-258, 339-343.	4.7	19
5785	Bamboo-like CNx nanotubes for the immobilization of hemoglobin and its bioelectrochemistry. Electrochemistry Communications, 2005, 7, 349-354.	4.7	51
5786	Nanostructured materials prepared by use of ordered porous alumina membranes. Electrochimica Acta, 2005, 50, 2997-3013.	5.2	130
5787	The role of atomistic simulations in probing the small-scale aspects of fracture—a case study on a single-walled carbon nanotube. Engineering Fracture Mechanics, 2005, 72, 2037-2071.	4.3	64
5788	Advancing EDM through Fundamental Insight into the Process. CIRP Annals - Manufacturing Technology, 2005, 54, 64-87.	3.6	687
5789	Visualization of single-wall carbon nanotube (SWNT) networks in conductive polystyrene nanocomposites by charge contrast imaging. Ultramicroscopy, 2005, 104, 160-167.	1.9	146
5790	Synthesis and characterization of large area well-aligned carbon nanotubes by ECR-CVD without substrate bias. Vacuum, 2005, 77, 139-144.	3.5	23
5791	Hydrogen storage capacity of Mg@C120 system. Computational and Theoretical Chemistry, 2005, 719, 103-107.	1.5	6

#	ARTICLE	IF	CITATIONS
5792	Kekulé count in capped armchair nanotubes. Computational and Theoretical Chemistry, 2005, 725, 223-230.	1.5	3
5793	Hydrogen storage capacity of Be@C115 system. Computational and Theoretical Chemistry, 2005, 723, 105-110.	1.5	9
5794	Encapsulations of La@C82 and La2@C80 inside single-walled boron nitride nanotubes. Computational and Theoretical Chemistry, 2005, 730, 121-124.	1.5	5
5795	A comparative investigation on electronic structures and optical properties of C60 polymers, periodic fullerenes and carbon nanotubes. Computational and Theoretical Chemistry, 2005, 755, 105-111.	1.5	3
5796	New materials for electrochemical sensing VI: Carbon nanotubes. TrAC - Trends in Analytical Chemistry, 2005, 24, 826-838.	11.4	626
5797	Root growth of multi-wall carbon nanotubes by MPCVD. Thin Solid Films, 2005, 471, 140-144.	1.8	20
5798	Electrodeposition of polypyrrole/multiwalled carbon nanotube composite films. Thin Solid Films, 2005, 474, 64-69.	1.8	180
5799	Study on glow discharge effects on catalyst films for growing aligned carbon nanofibers in negative bias-enhanced hot filament chemical vapor deposition system. Thin Solid Films, 2005, 474, 103-108.	1.8	7
5800	Growth of vertically aligned carbon nanotube emitters on patterned silicon trenches for field emission applications. Thin Solid Films, 2005, 475, 267-270.	1.8	20
5801	Interaction of oxygen with nanocomposites made of n-type conducting polymers and carbon nanotubes: role of charge transfer complex formation between nanotubes and poly(3-octylthiophene). Thin Solid Films, 2005, 476, 162-167.	1.8	9
5802	Electrodeposited carbon nanotube thin films. Thin Solid Films, 2005, 476, 288-294.	1.8	28
5803	Surface characterisation of nano-structured carbon films deposited by Nd:YAG pulsed laser deposition. Thin Solid Films, 2005, 482, 305-310.	1.8	15
5804	Computations of local electric field and electric forces acting on carbon nanotubes in a direct current plasma sheath. Thin Solid Films, 2005, 489, 291-295.	1.8	10
5805	Formation of nanotubes TiO2 from layered titanate particles by a soft chemical process. Solid State Communications, 2005, 133, 493-497.	1.9	80
5806	Preparation and capacitances of oriented attachment CuO nanosheets and the MWNT/CuO nanocomposites. Solid State Communications, 2005, 134, 729-733.	1.9	24
5807	Superconducting and charge density wave instabilities in ultrasmall-radius carbon nanotubes. Solid State Communications, 2005, 135, 335-339.	1.9	20
5808	Improved emission stability of HfC-coated carbon nanotubes field emitters. Solid State Communications, 2005, 135, 390-393.	1.9	10
5809	129Xe NMR study of Xe adsorption on multiwall carbon nanotubes. Solid State Nuclear Magnetic Resonance, 2005, 28, 135-141.	2.3	29

#	ARTICLE	IF	CITATIONS
5810	Controlled growth of silicon nanowires synthesized via solid-liquid-solid mechanism. Science and Technology of Advanced Materials, 2005, 6, 330-334.	6.1	26
5811	Synthesis of carbon nanotubes and carbon nanofilaments over palladium supported catalysts. Science and Technology of Advanced Materials, 2005, 6, 420-426.	6.1	29
5812	Characterization of fullerene nanotubes prepared by the liquid-liquid interfacial precipitation method. Science and Technology of Advanced Materials, 2005, 6, 388-393.	6.1	12
5813	Controllable preparation and properties of single-/double-walled carbon nanotubes. Science and Technology of Advanced Materials, 2005, 6, 725-735.	6.1	13
5814	Quantum conductance of a helically coiled carbon nanotube. Science and Technology of Advanced Materials, 2005, 6, 809-813.	6.1	16
5815	The surface fractal investigation on carbon nanotubes modified by the adsorption of poly(acrylic) Tj ETQq1 1 0.784314 rgBT /Overloc	4.8	11
5816	Corrosion behavior of carbon nanotubes-Ni composite coating. Surface and Coatings Technology, 2005, 191, 351-356.	4.8	273
5817	Toughening of hard nanostructural thin films: a critical review. Surface and Coatings Technology, 2005, 198, 2-8.	4.8	287
5818	Study of purification process of single-walled carbon nanotubes by thermoanalytical techniques. Thermochimica Acta, 2005, 435, 209-212.	2.7	29
5819	Layer-by-layer assembled carbon nanotubes for selective determination of dopamine in the presence of ascorbic acid. Biosensors and Bioelectronics, 2005, 20, 1270-1276.	10.1	319
5820	Direct electrochemistry of microperoxidase at Pt microelectrodes modified with carbon nanotubes. Biosensors and Bioelectronics, 2005, 21, 159-166.	10.1	70
5821	From MEMS to NEMS with carbon. Biosensors and Bioelectronics, 2005, 20, 2181-2187.	10.1	110
5822	Formation mechanism of carbon nanotubes in the gas-phase synthesis from colloidal solutions of nanoparticles. Current Applied Physics, 2005, 5, 128-132.	2.4	19
5823	International patenting activity in the field of carbon nanotubes. Current Applied Physics, 2005, 5, 163-170.	2.4	9
5824	Catalytic synthesis of carbon nanotubes under ion irradiation. Carbon, 2005, 43, 447-450.	10.3	7
5825	X-ray diffraction of multiwalled carbon nanotube under high pressure: Structural durability on static compression. Carbon, 2005, 43, 519-523.	10.3	31
5826	Synthesis of graphite polyhedral crystals using a combustion flame method. Carbon, 2005, 43, 692-697.	10.3	23
5827	Synthesis of helically coiled carbon nanotubes by reducing ethyl ether with metallic zinc. Carbon, 2005, 43, 755-759.	10.3	49

#	ARTICLE	IF	CITATIONS
5828	Carbon nanotubes-iron oxides magnetic composites as adsorbent for removal of Pb(II) and Cu(II) from water. Carbon, 2005, 43, 880-883.	10.3	134
5829	Morphology and microstructure of spring-like carbon micro-coils/nano-coils prepared by catalytic pyrolysis of acetylene using Fe-containing alloy catalysts. Carbon, 2005, 43, 827-834.	10.3	55
5830	Synthesis of well-aligned carbon nanotubes with open tips. Carbon, 2005, 43, 1341-1346.	10.3	18
5831	Amorphous carbon nanostructures from chlorination of ferrocene. Carbon, 2005, 43, 978-985.	10.3	37
5832	Microwave-induced rapid chemical functionalization of single-walled carbon nanotubes. Carbon, 2005, 43, 1015-1020.	10.3	170
5833	Macroscopic multi-branched carbon trees generated from chemical vapor deposition of toluene. Carbon, 2005, 43, 1098-1100.	10.3	19
5834	Formation of variously shaped carbon nanotubes in carbon dioxide-alkali metal (Li, Na) system. Carbon, 2005, 43, 1104-1108.	10.3	25
5835	Quasi-ballistic electron transport in as-produced and annealed multiwall carbon nanotubes. Carbon, 2005, 43, 1317-1319.	10.3	56
5836	Structure and energetics of hydrogenated and dehydrogenated carbon tori. Carbon, 2005, 43, 1165-1173.	10.3	2
5837	Modulation of electrical properties in single-walled carbon nanotube/conducting polymer composites. Carbon, 2005, 43, 1213-1221.	10.3	89
5838	Mechanical behavior and microstructure of cement composites incorporating surface-treated multi-walled carbon nanotubes. Carbon, 2005, 43, 1239-1245.	10.3	779
5839	Low-temperature hydrothermal synthesis of multiwall carbon nanotubes. Carbon, 2005, 43, 1328-1331.	10.3	35
5840	A self-assembly template approach to form hollow hexapod-like, flower-like and tube-like carbon materials. Carbon, 2005, 43, 1560-1562.	10.3	17
5841	A new method to prepare RuO ₂ ·xH ₂ O/carbon nanotube composite for electrochemical capacitors. Carbon, 2005, 43, 1566-1569.	10.3	31
5842	Structural and thermal stability of narrow and short carbon nanotubes and nanostrips. Carbon, 2005, 43, 1371-1377.	10.3	38
5843	Influence of dispersion states of carbon nanotubes on physical properties of epoxy nanocomposites. Carbon, 2005, 43, 1378-1385.	10.3	917
5844	Solubility of C ₆₀ in ionic liquids. Carbon, 2005, 43, 1782-1785.	10.3	30
5845	Diameter control of carbon nanotubes by changing the concentration of catalytic metal ion solutions. Carbon, 2005, 43, 1453-1459.	10.3	22

#	ARTICLE	IF	CITATIONS
5846	Spontaneous formation of carbon-based nanostructures by thermolysis-induced carbonization of halocarbons. Carbon, 2005, 43, 1778-1782.	10.3	73
5847	Nanostructured CN _x (0<x<0.2) films grown by supersonic cluster beam deposition. Carbon, 2005, 43, 1460-1469.	10.3	21
5848	Structural origin of coiling in coiled carbon nanotubes. Carbon, 2005, 43, 1628-1633.	10.3	33
5849	Thermal and mechanical properties of single-walled carbon nanotubes/polypropylene composites prepared by melt processing. Carbon, 2005, 43, 1499-1505.	10.3	586
5850	Modification of multi-walled carbon nanotubes with fatty acid and their tribological properties as lubricant additive. Carbon, 2005, 43, 1660-1666.	10.3	205
5851	Synthesis of carbon nanotubes by arc discharge in sodium chloride solution. Carbon, 2005, 43, 1792-1795.	10.3	28
5852	A study of the effect of plasma treatment on the interfacial properties of carbon fibre/thermoplastic composites. Carbon, 2005, 43, 1795-1799.	10.3	123
5853	Preparation of carbon nanotubes by centrifugal spinning of coreshell polymer particles. Carbon, 2005, 43, 2015-2017.	10.3	9
5854	A carbon nanotube film as a radio frequency filter. Carbon, 2005, 43, 1815-1819.	10.3	22
5855	The tribological properties of solid lubrication graphite coatings prepared by a sol-gel method. Carbon, 2005, 43, 2017-2020.	10.3	12
5856	Biomolecules as selective dispersants for carbon nanotubes. Carbon, 2005, 43, 1879-1884.	10.3	71
5857	Large-scale synthesis and characterization of carbon spheres prepared by direct pyrolysis of hydrocarbons. Carbon, 2005, 43, 1944-1953.	10.3	276
5858	Structure and energetics of carbon nanotube ropes. Carbon, 2005, 43, 2146-2151.	10.3	13
5859	Measurement of electrical conductivity upon in situ telescopic deformation of multiwall carbon nanotube. Carbon, 2005, 43, 2227-2229.	10.3	4
5860	Dendrimer assisted catalytic growth of mats of multiwall carbon nanofibers. Carbon, 2005, 43, 2229-2231.	10.3	6
5861	Conducting polymer/carbon nanotube composite films made by in situ electropolymerization using an ionic surfactant as the supporting electrolyte. Carbon, 2005, 43, 2186-2191.	10.3	74
5862	Synthesis and structural characterization of thin multi-walled carbon nanotubes with a partially faceted cross section by a floating reactant method. Carbon, 2005, 43, 2243-2250.	10.3	109
5863	Pulsed laser deposition-assisted patterning of aligned carbon nanotubes modified by focused laser beam for efficient field emission. Carbon, 2005, 43, 2128-2133.	10.3	23

#	ARTICLE	IF	CITATIONS
5864	Production of pure nanotube fibers using a modified wet-spinning method. Carbon, 2005, 43, 2397-2400.	10.3	116
5865	Sulfonated carbon nanotubes as a strong protonic acid catalyst. Carbon, 2005, 43, 2405-2408.	10.3	102
5866	The catalytic reduction of carbon dioxide to carbon onion particles by platinum catalysts. Carbon, 2005, 43, 2621-2624.	10.3	15
5867	Low temperature synthesis of carbon nanofibres on carbon fibre matrices. Carbon, 2005, 43, 2643-2648.	10.3	60
5868	Microstructure and mechanical properties of hot-pressed carbon nanotubes compacted by spark plasma sintering. Carbon, 2005, 43, 2649-2653.	10.3	41
5869	Catalyst free synthesis of high-purity carbon nanotubes by thermal plasma jet. Carbon, 2005, 43, 2638-2641.	10.3	24
5870	Continuous deposition of carbon nanotubes on a moving substrate by open-air laser-induced chemical vapor deposition. Carbon, 2005, 43, 2571-2578.	10.3	11
5871	Effect of the electric current on the friction and wear properties of the CNT/Ag/C composites. Carbon, 2005, 43, 2685-2692.	10.3	83
5872	Synthesis of multi-walled carbon nanotubes at low temperature through anhydrous AlCl ₃ -assisted ethylene tetrachloride dechlorination: A new dechlorination pathway. Carbon, 2005, 43, 2823-2826.	10.3	6
5873	Structural studies of oriented carbon nanotubes in alumina channels using high energy X-ray diffraction. Carbon, 2005, 43, 2723-2729.	10.3	16
5874	Two possible emission mechanisms involved in the arc discharge method of carbon nanotube preparation. Carbon, 2005, 43, 2812-2816.	10.3	24
5875	High-density of methane confined in internal nanospace of single-wall carbon nanohorns. Carbon, 2005, 43, 2826-2830.	10.3	29
5876	A growth mark method for studying growth mechanism of carbon nanotube arrays. Carbon, 2005, 43, 2850-2856.	10.3	142
5877	Temperature and catalyst effects on the production of amorphous carbon nanotubes by a modified arc discharge. Carbon, 2005, 43, 2907-2912.	10.3	57
5878	Preparation and characterization of multi-walled carbon nanotubes supported PtRu catalysts for proton exchange membrane fuel cells. Carbon, 2005, 43, 3144-3152.	10.3	117
5879	Aligned carbon nanotubes by catalytic decomposition of C ₂ H ₂ over Ni/Cr alloy. Carbon, 2005, 43, 3172-3177.	10.3	32
5880	Oxidative functionalization of carbon nanotubes in atmospheric pressure filamentary dielectric barrier discharge (APDBD). Carbon, 2005, 43, 2951-2959.	10.3	142
5881	Synthesis of carbon nanotubes over rare earth zeolites at low temperature. Carbon, 2005, 43, 3015-3017.	10.3	13

#	ARTICLE	IF	CITATIONS
5882	Comparative study of herringbone and stacked-cup carbon nanofibers. Carbon, 2005, 43, 3005-3008.	10.3	30
5883	Growth direction control of aligned carbon nanotubes. Carbon, 2005, 43, 3183-3186.	10.3	23
5884	Ni-Fe-Co-P coatings on coiled carbon nanofibers. Carbon, 2005, 43, 3181-3183.	10.3	103
5885	Carbon nanostructures on high-temperature ceramics – a novel composite material and its functionalization. Catalysis Today, 2005, 102-103, 40-44.	4.4	16
5886	Carbon nanotubes as a 1D template for the synthesis of air sensitive materials: About the confinement effect. Catalysis Today, 2005, 102-103, 29-33.	4.4	35
5887	Carbon nanostructures with macroscopic shaping for catalytic applications. Catalysis Today, 2005, 102-103, 2-14.	4.4	88
5888	Noninvasive and continuous recordings of auxin fluxes in intact root apex with a carbon nanotube-modified and self-referencing microelectrode. Analytical Biochemistry, 2005, 341, 344-351.	2.4	153
5889	Amperometric biosensor for choline based on layer-by-layer assembled functionalized carbon nanotube and polyaniline multilayer film. Analytical Biochemistry, 2005, 344, 108-114.	2.4	153
5890	DNA biosensor based on chitosan film doped with carbon nanotubes. Analytical Biochemistry, 2005, 346, 107-114.	2.4	161
5891	Determination of organophosphate pesticides at a carbon nanotube/organophosphorus hydrolase electrochemical biosensor. Analytica Chimica Acta, 2005, 530, 185-189.	5.4	251
5892	Fabrication of polyaniline/carbon nanotube composite modified electrode and its electrocatalytic property to the reduction of nitrite. Analytica Chimica Acta, 2005, 532, 71-77.	5.4	213
5893	Carbon nanotubes paste electrodes as new detectors for capillary electrophoresis. Analytica Chimica Acta, 2005, 543, 84-91.	5.4	76
5894	Polyaniline nanotubes and their dendrites doped with different naphthalene sulfonic acids. Acta Materialia, 2005, 53, 1373-1379.	7.9	112
5895	In situ-templated hydrothermal synthesis of Fe-doped anatase nanorods. Acta Materialia, 2005, 53, 1479-1484.	7.9	13
5896	Modifications of carbon nanotubes with polymers. European Polymer Journal, 2005, 41, 2693-2703.	5.4	372
5897	Effects of carbon nanotubes on flame spread rate over 1-propanol. Fire Safety Journal, 2005, 40, 425-438.	3.1	7
5898	An analytical molecular structural mechanics model for the mechanical properties of carbon nanotubes. International Journal of Solids and Structures, 2005, 42, 3075-3092.	2.7	267
5899	Modeling of van der Waals force for infinitesimal deformation of multi-walled carbon nanotubes treated as cylindrical shells. International Journal of Solids and Structures, 2005, 42, 6032-6047.	2.7	90

#	ARTICLE	IF	CITATIONS
5900	Applications of carbon nanotubes in drug delivery. <i>Current Opinion in Chemical Biology</i> , 2005, 9, 674-679.	6.1	1,705
5901	Synthesis of silica microspheroids for templates in W/O reverse emulsion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 269, 112-118.	4.7	9
5902	Inactivation of bacterial endospores by photocatalytic nanocomposites. <i>Colloids and Surfaces B: Biointerfaces</i> , 2005, 40, 93-98.	5.0	104
5903	Finite element modeling of single-walled carbon nanotubes. <i>Composites Part B: Engineering</i> , 2005, 36, 468-477.	12.0	481
5904	Nanocomposites in context. <i>Composites Science and Technology</i> , 2005, 65, 491-516.	7.8	1,452
5905	Influence of different carbon nanotubes on the mechanical properties of epoxy matrix composites – A comparative study. <i>Composites Science and Technology</i> , 2005, 65, 2300-2313.	7.8	1,138
5906	Passive vibration damping enhancement using carbon nanotube-epoxy reinforced composites. <i>Composites Science and Technology</i> , 2005, 65, 2079-2093.	7.8	210
5907	Computational materials: Multi-scale modeling and simulation of nanostructured materials. <i>Composites Science and Technology</i> , 2005, 65, 2416-2434.	7.8	208
5908	Multi-scale mechanics of nanocomposites including interface: Experimental and numerical investigation. <i>Composites Science and Technology</i> , 2005, 65, 2435-2465.	7.8	103
5909	A non-linear analysis of the bending modulus of carbon nanotubes with rippling deformations. <i>Composite Structures</i> , 2005, 69, 315-321.	5.8	58
5910	Theoretical study of stress transfer in carbon nanotube reinforced polymer matrix composites. <i>Composite Structures</i> , 2005, 71, 68-77.	5.8	135
5911	Efficient method to functionalize carbon nanotubes with thiol groups and fabricate gold nanocomposites. <i>Chemical Physics Letters</i> , 2005, 401, 352-356.	2.6	72
5912	Gas-sensing properties of thick film based on ZnO nano-tetrapods. <i>Chemical Physics Letters</i> , 2005, 401, 426-429.	2.6	149
5913	Morphology-controlled synthesis, growth mechanism and optical properties of ZnO nanonails. <i>Chemical Physics Letters</i> , 2005, 401, 414-419.	2.6	69
5914	Investigation on the temperature-dependent growth rate of carbon nanotubes using chemical vapor deposition of ferrocene and acetylene. <i>Chemical Physics Letters</i> , 2005, 401, 459-464.	2.6	143
5915	Constricted boron nanotubes. <i>Chemical Physics Letters</i> , 2005, 402, 21-26.	2.6	47
5916	Breakdown of 2mm symmetry in electron diffraction from multiwalled carbon nanotubes. <i>Chemical Physics Letters</i> , 2005, 402, 202-205.	2.6	12
5917	A novel aerosol method for single walled carbon nanotube synthesis. <i>Chemical Physics Letters</i> , 2005, 402, 227-232.	2.6	136

#	ARTICLE	IF	CITATIONS
5918	Band gap sensitivity of bromine adsorption at carbon nanotubes. Chemical Physics Letters, 2005, 403, 135-139.	2.6	30
5919	Electron energy loss spectra of C60 and C70 fullerenes. Chemical Physics Letters, 2005, 404, 206-211.	2.6	42
5920	Synthesis and magnetic study for Ga _{1-x} Mn _x N whiskers. Chemical Physics Letters, 2005, 405, 127-130.	2.6	13
5921	Synthesis, characterization and properties of novel BN nanocages from a single-source precursor. Chemical Physics Letters, 2005, 405, 229-233.	2.6	16
5922	Self-curl and self-assembly of boric acid clusters. Chemical Physics Letters, 2005, 405, 425-428.	2.6	16
5923	First principles study of Li and Li ⁺ adsorbed on carbon nanotube: Variation of tubule diameter and length. Chemical Physics Letters, 2005, 406, 161-166.	2.6	87
5924	Electronic properties of Ag- and CrO ₃ -filled single-wall carbon nanotubes. Chemical Physics Letters, 2005, 406, 54-59.	2.6	63
5925	Electron diffraction from elliptical nanotubes. Chemical Physics Letters, 2005, 406, 106-110.	2.6	13
5926	Synthesis of single-wall carbon nanotubes from alcohol using Fe/Co, Mo/Co, Rh/Pd catalysts. Chemical Physics Letters, 2005, 406, 184-187.	2.6	34
5927	Interaction enhancement on the ultrafast third-order optical nonlinearity of carbon nanotubes/polymer composites. Chemical Physics Letters, 2005, 407, 35-39.	2.6	28
5928	Electrochemical nitration of single-wall carbon nanotubes. Chemical Physics Letters, 2005, 407, 68-72.	2.6	22
5929	Synthesis and electronic properties of coalesced graphitic nanocones. Chemical Physics Letters, 2005, 407, 327-332.	2.6	13
5930	A direct method to determine the chiral indices of carbon nanotubes. Chemical Physics Letters, 2005, 408, 75-79.	2.6	44
5931	Theoretical interpretation of different nanotube morphologies among Group III (B, Al, Ga) nitrides. Chemical Physics Letters, 2005, 408, 145-149.	2.6	60
5932	A low cost method for the direct synthesis of highly Y-branched nanotubes. Chemical Physics Letters, 2005, 409, 43-47.	2.6	43
5933	Organic-vapor detection using carbon-nanotubes nanocomposite microacoustic sensors. Chemical Physics Letters, 2005, 409, 349-354.	2.6	42
5934	Synthesis and photoluminescence of corn-like ZnO nanostructures under solvothermal-assisted heat treatment. Chemical Physics Letters, 2005, 409, 337-341.	2.6	63
5935	Effects of activation conditions on the electrochemical capacitance of activated carbon nanotubes. Chemical Physics Letters, 2005, 410, 307-311.	2.6	15

#	ARTICLE	IF	CITATIONS
5936	Pyrolytic synthesis of long strands of large diameter single-walled carbon nanotubes at atmospheric pressure in the absence of sulphur and hydrogen. <i>Chemical Physics Letters</i> , 2005, 410, 384-390.	2.6	34
5937	Atomic and electronic structure of the orthoboric (H ₃ BO ₃) and metaboric (H ₃ B ₃ O ₆) acids nanotubes. <i>Chemical Physics Letters</i> , 2005, 411, 186-191.	2.6	9
5938	Ab initio investigations of lithium insertion in boron and nitrogen-doped single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2005, 411, 256-261.	2.6	24
5939	Theoretical prediction of a novel inorganic fullerene-like family of siliconâ€“carbon materials. <i>Chemical Physics Letters</i> , 2005, 411, 333-338.	2.6	99
5940	Characterization and nonlinear optical property of a multi-walled carbon nanotube/silica xerogel composite. <i>Chemical Physics Letters</i> , 2005, 411, 373-377.	2.6	30
5941	Electronic structure properties of carbon nanotubes obtained by density functional calculations. <i>Chemical Physics Letters</i> , 2005, 411, 384-388.	2.6	20
5942	Performance of the DFTB method in comparison to DFT and semiempirical methods for geometries and energies of C ₂₀ â€“C ₈₆ fullerene isomers. <i>Chemical Physics Letters</i> , 2005, 412, 210-216.	2.6	132
5943	Extinction and orientational dependence of electron diffraction from single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2005, 412, 399-405.	2.6	7
5944	Raman scattering analysis of changes induced by chemical treatment of double-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2005, 412, 449-453.	2.6	9
5945	Characterization of thin multi-walled carbon nanotubes synthesized by catalytic chemical vapor deposition. <i>Chemical Physics Letters</i> , 2005, 413, 135-141.	2.6	63
5946	Growth of vertically aligned carbon nanotubes on silicon and quartz substrate by spray pyrolysis of a natural precursor: Turpentine oil. <i>Chemical Physics Letters</i> , 2005, 414, 6-10.	2.6	95
5947	Electronic structures of semiconducting double-walled carbon nanotubes: Important effect of interlay interaction. <i>Chemical Physics Letters</i> , 2005, 414, 429-433.	2.6	32
5948	Hydrogen termination for the growth of carbon nanotubes on silicon. <i>Chemical Physics Letters</i> , 2005, 415, 333-336.	2.6	5
5949	Encapsulation of self-assembled FePt magnetic nanoparticles in PCL nanofibers by coaxial electrospinning. <i>Chemical Physics Letters</i> , 2005, 415, 317-322.	2.6	102
5950	High-pressure synthesis of carbon nanotubes with a variety of morphologies. <i>Chemical Physics Letters</i> , 2005, 416, 18-21.	2.6	16
5951	Pore characterization of multi-walled carbon nanotubes modified by KOH. <i>Chemical Physics Letters</i> , 2005, 416, 251-255.	2.6	42
5952	Catalytic engineering of carbon nanotube production. <i>Applied Catalysis A: General</i> , 2005, 279, 223-233.	4.3	40
5953	Titanium oxide nanotubes as supports of nano-sized gold catalysts for low temperature water-gas shift reaction. <i>Applied Catalysis A: General</i> , 2005, 281, 149-155.	4.3	194

#	ARTICLE	IF	CITATIONS
5954	Catalytic growth of carbon fibers from methane and ethylene on carbon-supported Ni catalysts. Applied Catalysis A: General, 2005, 283, 137-145.	4.3	41
5955	Chemical fabrication of Al ₂ O ₃ nano-trilobes. Applied Catalysis A: General, 2005, 287, 108-115.	4.3	5
5956	Enhancement of photocatalytic activity of mesoporous TiO ₂ by using carbon nanotubes. Applied Catalysis A: General, 2005, 289, 186-196.	4.3	434
5957	Control of carbon nanotube growth using cobalt nanoparticles as catalyst. Applied Surface Science, 2005, 249, 145-150.	6.1	36
5958	Nanostructuring electrodes with carbon nanotubes: A review on electrochemistry and applications for sensing. Electrochimica Acta, 2005, 50, 3049-3060.	5.2	1,003
5959	Electron transfer chemistry of octadecylamine-functionalized single-walled carbon nanotubes. Electrochimica Acta, 2005, 50, 3061-3067.	5.2	33
5960	Electrochemical performance of CoSb ₃ /MWNTs nanocomposite prepared by in situ solvothermal synthesis. Electrochimica Acta, 2005, 50, 2725-2731.	5.2	28
5961	Fabrication and structural characterization of large-scale uniform SnO ₂ nanotube arrays by sol-gel method. Science Bulletin, 2005, 50, 618.	1.7	2
5962	Preparation of MWNTs/Al ₂ O ₃ composites and their mechanical and electrical properties. Science in China Series D: Earth Sciences, 2005, 48, 622.	0.9	12
5963	Synthesis of carbon nanotube arrays using ethanol in porous anodic aluminum oxide template. Science Bulletin, 2005, 50, 1097.	1.7	8
5964	Quantum interference in nanotube electron waveguides. European Physical Journal B, 2005, 43, 399-403.	1.5	1
5965	Interaction effects on persistent current of ballistic cylindrical nanostructures. European Physical Journal B, 2005, 43, 405-419.	1.5	2
5966	Rainbows in transmission of high energy protons through carbon nanotubes. European Physical Journal B, 2005, 44, 41-45.	1.5	36
5967	Exact calculation of the phase properties of one dimensional finite lattice gas systems. European Physical Journal B, 2005, 45, 515-521.	1.5	0
5968	Spin-flip mesoscopic transport through a quantum dot coupled to carbon nanotube terminals. European Physical Journal B, 2005, 47, 295-303.	1.5	11
5969	Spin-polarized transport in carbon nanotubes with impurities. European Physical Journal B, 2005, 47, 437-441.	1.5	4
5970	Nanotube field and one-dimensional fluctuations of C ₆₀ molecules in carbon nanotubes. European Physical Journal B, 2005, 48, 113-124.	1.5	24
5971	Room-temperature growth of carbon nanofibers induced by Ar ⁺ -ion bombardment. European Physical Journal D, 2005, 34, 283-286.	1.3	27

#	ARTICLE	IF	CITATIONS
5972	Nanowires with well defined radii formed in operating liquid metal ion sources (LMIS). European Physical Journal D, 2005, 34, 299-301.	1.3	0
5973	Microstructure characterization of Al ₂ O ₃ nanowires with a networked rectangular nanostructure. European Physical Journal D, 2005, 34, 303-305.	1.3	7
5974	Peptide Nucleic Acid-Modified Carbon Nanotube Field-Effect Transistor for Ultra-Sensitive Real-Time Detection of DNA Hybridization. Nanobiotechnology, 2005, 1, 065-070.	1.2	28
5975	Applications of Carbon Nanotubes for Cancer Research. Nanobiotechnology, 2005, 1, 171-182.	1.2	32
5976	Radial breathing mode of single-walled carbon nanotubes: Optical transition energies and chiral-index assignment. Physical Review B, 2005, 72, .	3.2	323
5977	Colloquium: Reactive plasmas as a versatile nanofabrication tool. Reviews of Modern Physics, 2005, 77, 489-511.	45.6	599
5978	A study of the electrical properties of carbon nanotube-NiFe ₂ O ₄ composites: Effect of the surface treatment of the carbon nanotubes. Carbon, 2005, 43, 47-52.	10.3	154
5979	Carbon Nanotube Inner Phase Chemistry: The Cl-Exchange S _N 2 Reaction. Nano Letters, 2005, 5, 1861-1866.	9.1	31
5980	Spherical Aromaticity: Recent Work on Fullerenes, Polyhedral Boranes, and Related Structures. Chemical Reviews, 2005, 105, 3613-3642.	47.7	436
5981	Electrically switchable carbon nanotubes hydrophobic surfaces. Diamond and Related Materials, 2005, 14, 121-124.	3.9	14
5982	Nanoscale capacitors based on metal-insulator-carbon nanotube-metal structures. Applied Physics Letters, 2005, 87, 263103.	3.3	32
5983	Kinetic Theory and Simulation of Single-Channel Water Transport. , 2005, , 1797-1822.		7
5984	Full-potential linearized augmented plane-wave method for one-dimensional systems: Gold nanowire and iron monowires in a gold tube. Physical Review B, 2005, 72, .	3.2	57
5985	Effect of randomly occurring Stone-Wales defects on mechanical properties of carbon nanotubes using atomistic simulation. Nanotechnology, 2005, 16, 555-566.	2.6	108
5986	Carbon nanotubes for clean energy applications. Journal Physics D: Applied Physics, 2005, 38, R231-R252.	2.8	101
5987	Preparation of a Novel TiO ₂ -Based p-n Junction Nanotube Photocatalyst. Environmental Science & Technology, 2005, 39, 1201-1208.	10.0	283
5988	Field-enhancement factor for carbon nanotube array. Journal of Applied Physics, 2005, 98, 014315.	2.5	41
5989	Theory of Electronic States and Transport in Carbon Nanotubes. Journal of the Physical Society of Japan, 2005, 74, 777-817.	1.6	807

#	ARTICLE	IF	CITATIONS
5990	Synthesis of ordered mesoporous carbons with channel structure from an organic-organic nanocomposite. <i>Chemical Communications</i> , 2005, , 2125-2127.	4.1	492
5991	Binding and Condensation of Plasmid DNA onto Functionalized Carbon Nanotubes: Toward the Construction of Nanotube-Based Gene Delivery Vectors. <i>Journal of the American Chemical Society</i> , 2005, 127, 4388-4396.	13.7	726
5992	Highly Porous Uranyl Selenate Nanotubules. <i>Journal of the American Chemical Society</i> , 2005, 127, 1072-1073.	13.7	168
5993	Multihydroxy Polymer-Functionalized Carbon Nanotubes: Synthesis, Derivatization, and Metal Loading. <i>Macromolecules</i> , 2005, 38, 8634-8648.	4.8	179
5994	Formation of Uniform CuO Nanorods by Spontaneous Aggregation: Selective Synthesis of CuO, Cu ₂ O, and Cu Nanoparticles by a Solid-Liquid Phase Arc Discharge Process. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14011-14016.	2.6	280
5995	A Stable Single Piece of Unimolecularly π -Stacked Porphyrin Aggregate in a Thixotropic Low Molecular Weight Gel: A One-Dimensional Molecular Template for Polydiacetylene Wiring up to Several Tens of Micrometers in Length. <i>Journal of the American Chemical Society</i> , 2005, 127, 4164-4165.	13.7	228
5996	Multiwalled Carbon Nanotubes with Chemically Grafted Polyetherimides. <i>Journal of the American Chemical Society</i> , 2005, 127, 9984-9985.	13.7	151
5997	Bright Visible Photoluminescence from Nanotube Titania Grown by Soft Chemical Process. <i>Chemistry of Materials</i> , 2005, 17, 5334-5338.	6.7	64
5998	Carbon Nanotube Salts. Arylation of Single-Wall Carbon Nanotubes. <i>Organic Letters</i> , 2005, 7, 4067-4069.	4.6	93
5999	Chemistry and Properties of Nanocrystals of Different Shapes. <i>Chemical Reviews</i> , 2005, 105, 1025-1102.	47.7	6,821
6000	Speciation of Organometallic Compounds in Environmental Samples by Gas Chromatography after Flow Preconcentration on Fullerenes and Nanotubes. <i>Analytical Chemistry</i> , 2005, 77, 5389-5395.	6.5	71
6001	Transient electric birefringence in suspensions of single-walled carbon nanotubes. <i>Physical Review B</i> , 2005, 72, .	3.2	20
6002	Controlled Placement of Individual Carbon Nanotubes. <i>Nano Letters</i> , 2005, 5, 1515-1518.	9.1	80
6003	Measuring the Thermal Conductivity of a Single Carbon Nanotube. <i>Physical Review Letters</i> , 2005, 95, 065502.	7.8	734
6004	Collision of a single-walled carbon nanotube with graphitic patches. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2005, 13, 1403-1409.	2.0	2
6005	Modelling heat transfer of carbon nanotubes. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2005, 13, 893-902.	2.0	21
6006	Hydrogen Storage in Ni Nanoparticle-Dispersed Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 8983-8986.	2.6	267
6007	Electronic Structure of Semiconducting Nanotubes Adsorbed on Metal Surfaces. <i>Physical Review Letters</i> , 2005, 95, 206804.	7.8	47

#	ARTICLE	IF	CITATIONS
6008	Rotation of the Inner Shell in a C[sub 20]@C[sub 80] Nanoparticle. Physics of the Solid State, 2005, 47, 390.	0.6	20
6009	Investigation of the Initial Stages of Defect Formation in Carbon Nanotubes under Irradiation with Argon Ions. Physics of the Solid State, 2005, 47, 772.	0.6	4
6010	New class of non-carbon ALP nanotubes: Structure and electronic properties. JETP Letters, 2005, 81, 185-189.	1.4	18
6011	Nonchiral BN Haeckelite nanotubes. JETP Letters, 2005, 81, 346-350.	1.4	5
6012	Optical transitions in a quantized cylindrical layer in the presence of a homogeneous electric field. Semiconductors, 2005, 39, 805-810.	0.5	6
6013	Optimization of the Calculations of the Electronic Structure of Carbon Nanotubes. Physics of the Solid State, 2005, 47, 2196.	0.6	3
6014	Laws of the synthesis and a model of the growth of single-walled carbon nanotubes in a jet of laser ablation products. Doklady Physics, 2005, 50, 639-643.	0.7	0
6015	Effect of intrinsic defects on the electronic structure of BN nanotubes. JETP Letters, 2005, 82, 737-741.	1.4	11
6016	Tuning the conductance of single-walled carbon nanotubes by ion irradiation in the Anderson localization regime. Nature Materials, 2005, 4, 534-539.	27.5	378
6017	Controlling conductance. Nature Materials, 2005, 4, 514-515.	27.5	5
6018	Cancer nanotechnology: opportunities and challenges. Nature Reviews Cancer, 2005, 5, 161-171.	28.4	4,111
6019	A general strategy for nanocrystal synthesis. Nature, 2005, 437, 121-124.	27.8	2,439
6020	Synthesis of Silicon Carbide Nanotubes. Journal of the American Ceramic Society, 2005, 88, 459-461.	3.8	131
6021	Polygonal Single-Crystal Aluminum Borate Microtubes. Journal of the American Ceramic Society, 2005, 88, 485-487.	3.8	16
6022	Synthesis and Characterization of Several alpha-Silicon Nitride Nanostructures. Journal of the American Ceramic Society, 2005, 88, 566-569.	3.8	20
6023	Grain Growth of Microtubes During Sintering in Semiconducting Ba ₃ Ce _{3-x} BixTi ₅ Nb ₅ O ₃₀ (x=0.5, 1.0, 2.0,) Tj ETQq _{1.1} 0.7843 _{1.8} 14 rgBT	3.8	1
6024	Electrically Conductive CNT-Dispersed Silicon Nitride Ceramics. Journal of the American Ceramic Society, 2005, 88, 2889-2893.	3.8	148
6025	Carbon Nanotube Reinforced Alumina-Based Ceramics with Novel Mechanical, Electrical, and Thermal Properties. International Journal of Applied Ceramic Technology, 2004, 1, 161-171.	2.1	151

#	ARTICLE	IF	CITATIONS
6026	Engineering aspects and applications of the new Raman instrumentation. IET Science, Measurement and Technology, 2005, 152, 241-318.	0.7	26
6027	Carbon nanotubes and other fullerenes produced from tire powder injected into an electric arc. Materials Characterization, 2005, 55, 371-377.	4.4	17
6028	Lithium insertion into multi-walled raw carbon nanotubes pre-doped with lithium. Materials Chemistry and Physics, 2005, 89, 295-299.	4.0	24
6029	Surfactant-assisted synthesis of single crystal BaWO ₄ octahedral microparticles. Materials Chemistry and Physics, 2005, 92, 59-63.	4.0	42
6030	Parametric study of carbon nanofiber growth by catalytic ethylene decomposition on hydrotalcite derived catalysts. Materials Chemistry and Physics, 2005, 92, 71-81.	4.0	26
6031	Carbon nanotubes from catalytic pyrolysis of polypropylene. Materials Chemistry and Physics, 2005, 92, 256-259.	4.0	76
6032	Surfactant-assisted synthesis and characterization of PbWO ₄ dendritic nanostructure. Materials Chemistry and Physics, 2005, 93, 138-141.	4.0	10
6033	Template synthesis and characterization of well-aligned nitrogen containing carbon nanotubes. Materials Chemistry and Physics, 2005, 93, 291-295.	4.0	82
6034	Large-area carbon nanotubes film synthesized for field emission display by special CVD equipment and the field emission properties. Materials Chemistry and Physics, 2005, 93, 473-477.	4.0	26
6035	Enhanced wear resistance and micro-hardness of polystyrene nanocomposites by carbon nanotubes. Materials Chemistry and Physics, 2005, 94, 109-113.	4.0	73
6036	Effect of surface temperature on the concentration of C ₆₀ /C ₇₀ molecules in dc arc discharge fullerene generator. Materials Chemistry and Physics, 2005, 94, 52-57.	4.0	4
6037	Percolated network of entangled multi-walled carbon nanotubes dispersed in polystyrene thin films through surface grafting polymerization. Materials Chemistry and Physics, 2005, 94, 438-443.	4.0	29
6038	Synthesis of Sb ₂ O ₃ nanorods under hydrothermal conditions. Materials Research Bulletin, 2005, 40, 469-474.	5.2	35
6039	Ceria nanoparticles supported on carbon nanotubes for the removal of arsenate from water. Materials Letters, 2005, 59, 399-403.	2.6	245
6040	Synthesis of cadmium hydroxide nanoflake and nanowisker by hydrothermal method. Materials Letters, 2005, 59, 56-58.	2.6	48
6041	GeO ₂ nanotubes and nanorods synthesized by vapor phase reactions. Materials Letters, 2005, 59, 416-419.	2.6	56
6042	Carbon nanoflowers synthesized by a reductionâ€“pyrolysisâ€“catalysis route. Materials Letters, 2005, 59, 456-458.	2.6	26
6043	Synthesis of highly oriented iron sulfide nanowires through solvothermal process. Materials Letters, 2005, 59, 289-292.	2.6	38

#	ARTICLE	IF	CITATIONS
6044	Synthesis of coiled carbon nanofibers by Cu–Ni alloy nanoparticles catalyzed decomposition of acetylene at the low temperature of 241 °C. Materials Letters, 2005, 59, 459-462.	2.6	14
6045	Fabrication and mechanism of FeSi_2 nanobars on (001) silicon wafer. Materials Letters, 2005, 59, 833-837.	2.6	8
6046	Template synthesis of boron nitride nanotubes in mesoporous silica SBA-15. Materials Letters, 2005, 59, 925-928.	2.6	13
6047	Preparation and characterization of rod-like $\text{Eu:Gd}_2\text{O}_3$ phosphor through a hydrothermal routine. Materials Letters, 2005, 59, 1037-1041.	2.6	54
6048	Synthesis of bundle-like structure of titania nanotubes. Materials Letters, 2005, 59, 1142-1145.	2.6	31
6049	Formation of diamond-like carbon balls, self aligned and nonaligned nanotubes at the tip of the cathode during the synthesis of fullerenes in the DC arc discharge experiment. Materials Letters, 2005, 59, 1585-1588.	2.6	6
6050	NaCl adsorption in multi-walled carbon nanotubes. Materials Letters, 2005, 59, 1989-1992.	2.6	81
6051	CVD growth of carbon nanotubes directly on nickel substrate. Materials Letters, 2005, 59, 1678-1682.	2.6	71
6052	Copper sulfide micro-tubes fabricated by thermal evaporation of zinc sulfide. Materials Letters, 2005, 59, 2094-2096.	2.6	8
6053	Synthesis and characterization of SnO_2 nanorods. Materials Letters, 2005, 59, 2018-2020.	2.6	17
6054	A study on carbon nanotubes reinforced poly(methyl methacrylate) nanocomposites. Materials Letters, 2005, 59, 2128-2132.	2.6	78
6055	Surfactant-assisted electrochemical method for dendritic silver nanocrystals with advanced structure. Materials Letters, 2005, 59, 2289-2291.	2.6	28
6056	Synthesis, characterization and optical properties of regularly shaped, single-crystalline sisal-like ZnO nanostructures. Materials Letters, 2005, 59, 3572-3576.	2.6	14
6057	Synthesis of barium titanate (BaTiO_3) nanofibers via electrospinning. Materials Letters, 2005, 59, 3645-3647.	2.6	171
6058	Hydrothermal synthesis of alumina nanotubes templated by anionic surfactant. Materials Letters, 2005, 59, 4034-4037.	2.6	85
6059	Facile large scale synthesis of WS_2 nanotubes from WO_3 nanorods prepared by a hydrothermal route. Solid State Sciences, 2005, 7, 67-72.	3.2	100
6060	Nanobiotechnology: the promise and reality of new approaches to molecular recognition. Trends in Biotechnology, 2005, 23, 168-173.	9.3	221
6061	Inlaid Multi-Walled Carbon Nanotube Nanoelectrode Arrays for Electroanalysis. Electroanalysis, 2005, 17, 15-27.	2.9	153

#	ARTICLE	IF	CITATIONS
6062	Atomic Force Microscopic and Electrochemical Investigations of an Electrostatically Fabricated Single-Wall Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2005, 17, 59-64.	2.9	7
6063	Determination of Phenolic Compounds Based on the Tyrosinase-Single Walled Carbon Nanotubes Sensor. <i>Electroanalysis</i> , 2005, 17, 85-88.	2.9	55
6064	Electrochemical Biosensing Platforms Using Phthalocyanine-Functionalized Carbon Nanotube Electrode. <i>Electroanalysis</i> , 2005, 17, 89-96.	2.9	109
6065	Electrogenerated Chemiluminescence Determination of Dopamine and Epinephrine in the Presence of Ascorbic Acid at Carbon Nanotube/Nafion-Ru(bpy) Composite Film Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2005, 17, 607-612.	2.9	58
6066	Simultaneous Determination of Hydroquinone and Catechol at a Glassy Carbon Electrode Modified with Multiwall Carbon Nanotubes. <i>Electroanalysis</i> , 2005, 17, 832-838.	2.9	222
6067	An Electrochemical Biosensor with Cholesterol Oxidase/ Sol-Gel Film on a Nanoplatinum/Carbon Nanotube Electrode. <i>Electroanalysis</i> , 2005, 17, 857-861.	2.9	61
6068	High Dispersion and Electrocatalytic Properties of Platinum on Functional Multi-Walled Carbon Nanotubes. <i>Electroanalysis</i> , 2005, 17, 869-872.	2.9	61
6069	Carbon Nanotube Modified Microelectrode for Enhanced Voltammetric Detection of Dopamine in the Presence of Ascorbate. <i>Electroanalysis</i> , 2005, 17, 417-422.	2.9	114
6070	Multi-Wall Carbon Nanotube Paste Electrode for Adsorptive Stripping Determination of Quercetin: A Comparison with Graphite Paste Electrode via Voltammetry and Chronopotentiometry. <i>Electroanalysis</i> , 2005, 17, 1681-1686.	2.9	109
6071	β -Cyclodextrin Incorporated Carbon Nanotube-coated Electrode for the Simultaneous Determination of Dopamine and Epinephrine. <i>Chinese Journal of Chemistry</i> , 2005, 23, 297-302.	4.9	34
6072	Synthesis and Characterization of SnO ₂ One-dimensional Nanostructures. <i>Chinese Journal of Chemistry</i> , 2005, 23, 337-340.	4.9	6
6073	Organic Nanotubes Prepared from Chiral Molecules by the Template Method. <i>Chinese Journal of Chemistry</i> , 2005, 23, 1309-1313.	4.9	19
6074	Boron Nanotubes. <i>ChemPhysChem</i> , 2005, 6, 2001-2008.	2.1	120
6075	Growth Characteristics of Carbon Nanotube Arrays Synthesized by ICP-CVD using Anodic Aluminum Oxide on Silicon as a Nanotemplate. <i>Chemical Vapor Deposition</i> , 2005, 11, 219-225.	1.3	4
6076	Continuous Synthesis of Y-Junction Carbon Nanotubes by Catalytic CVD. <i>Chemical Vapor Deposition</i> , 2005, 11, 351-354.	1.3	20
6077	Growth of GaN Nanorods via Au Catalyst-Assisted CVD. <i>Chemical Vapor Deposition</i> , 2005, 11, 433-436.	1.3	22
6078	Preparation and properties of acid-treated multiwalled carbon nanotube/waterborne polyurethane nanocomposites. <i>Journal of Applied Polymer Science</i> , 2005, 96, 595-604.	2.6	127
6079	Carbonization of Dislike Molecules in Porous Alumina Membranes: Toward Carbon Nanotubes with Controlled Graphene-Layer Orientation. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2120-2123.	13.8	111

#	ARTICLE	IF	CITATIONS
6080	Cerium Phosphate Nanotubes: Synthesis, Valence State, and Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 576-579.	13.8	100
6081	VS2 Nanotubes Containing Organic-Amine Templates from the NT-VOx Precursors and Reversible Copper Intercalation in NT-VS2. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 262-265.	13.8	62
6082	Synthesis of Multiwalled Carbon Nanotubes by Catalytic Combustion of Polypropylene. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1517-1520.	13.8	203
6083	Nanoscale Tubules in Uranyl Selenates. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1134-1136.	13.8	144
6084	Peptide-Polymer Hybrid Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3297-3301.	13.8	200
6085	Single-Crystalline Iron Oxide Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 4328-4333.	13.8	494
6086	Metallic Nanowires of Nb ₃ Te ₄ : A Nanostructured Chalcogenide. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3555-3558.	13.8	15
6087	The Chemistry of Organic Nanomaterials. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5592-5629.	13.8	658
6088	Carbon nanotubes for science and technology. <i>Bell Labs Technical Journal</i> , 2005, 10, 171-185.	0.7	40
6089	Carbonization of Dislike Molecules in Porous Alumina Membranes: Toward Carbon Nanotubes with Controlled Graphene-Layer Orientation. <i>Angewandte Chemie</i> , 2005, 117, 2158-2161.	2.0	24
6093	Nanoscale Tubules in Uranyl Selenates. <i>Angewandte Chemie</i> , 2005, 117, 1158-1160.	2.0	39
6098	Temperature-Controlled Catalytic Growth of ZnS Nanostructures by the Evaporation of ZnS Nanopowders. <i>Advanced Functional Materials</i> , 2005, 15, 63-68.	14.9	259
6099	Transparent Poly(methyl methacrylate)/Single-Walled Carbon Nanotube (PMMA/SWNT) Composite Films with Increased Dielectric Constants. <i>Advanced Functional Materials</i> , 2005, 15, 101-106.	14.9	126
6100	Morphological and Chemical/Physical Characterization of Fe-Doped Synthetic Chrysotile Nanotubes. <i>Advanced Functional Materials</i> , 2005, 15, 1009-1016.	14.9	74
6101	Co ₃ O ₄ Nanomaterials in Lithium-Ion Batteries and Gas Sensors. <i>Advanced Functional Materials</i> , 2005, 15, 851-857.	14.9	1,138
6102	Preparation of Homogeneously Dispersed Multiwalled Carbon Nanotube/Polystyrene Nanocomposites via Melt Extrusion Using Trialkyl Imidazolium Compatibilizer. <i>Advanced Functional Materials</i> , 2005, 15, 910-916.	14.9	209
6103	Organic-Inorganic Nanohybridization by Block Copolymer Thin Films. <i>Advanced Functional Materials</i> , 2005, 15, 1160-1164.	14.9	79
6104	Wettability of Bionic Nanopapilla Particles and Their High Electrorheological Activity. <i>Advanced Functional Materials</i> , 2005, 15, 1815-1820.	14.9	79

#	ARTICLE	IF	CITATIONS
6105	Single-Crystalline AlN Nanotubes with Carbon-Layer Coatings on the Outer and Inner Surfaces via a Multiwalled-Carbon-Nanotube-Template-Induced Route. <i>Advanced Materials</i> , 2005, 17, 213-217.	21.0	110
6106	Tubular and Twisted Ni-P Fibers Molded from Morphology-Tunable and Recyclable Organic Templates of Hydrogen-Bonded Supramolecular Assemblages. <i>Advanced Materials</i> , 2005, 17, 200-205.	21.0	25
6107	Soluble Self-Aligned Carbon Nanotube/Polyaniline Composites. <i>Advanced Materials</i> , 2005, 17, 278-281.	21.0	171
6108	Novel Silica Tube/Polyimide Composite Films with Variable Low Dielectric Constant. <i>Advanced Materials</i> , 2005, 17, 1056-1059.	21.0	115
6109	Self-Assembled Silicon Nanotubes Grown from Silicon Monoxide. <i>Advanced Materials</i> , 2005, 17, 564-567.	21.0	109
6110	Single-Crystalline, Submicrometer-Sized ZnSe Tubes. <i>Advanced Materials</i> , 2005, 17, 975-979.	21.0	50
6111	From Coordination Polymer Macrocrystals to Nanometric Individual Chains. <i>Advanced Materials</i> , 2005, 17, 1761-1765.	21.0	73
6112	Twinning-Mediated Growth of Al ₂ O ₃ Nanobelts and Their Enhanced Dielectric Responses. <i>Advanced Materials</i> , 2005, 17, 1661-1665.	21.0	171
6113	WS ₂ and MoS ₂ Inorganic Fullerenesâ€™ Super Shock Absorbers at Very High Pressures. <i>Advanced Materials</i> , 2005, 17, 1500-1503.	21.0	78
6114	Block Copolymer Nanocomposites: Perspectives for Tailored Functional Materials. <i>Advanced Materials</i> , 2005, 17, 1331-1349.	21.0	807
6115	Conical Carbon Filaments with Axial Cylindrical Channels and Open Tips. <i>Advanced Materials</i> , 2005, 17, 1677-1679.	21.0	12
6116	Diels-Alder Reactions of Tetraphenylcyclopentadienones in Nanochannels: Fabrication of Nanotubes from Hyperbranched Polyphenylenes. <i>Advanced Materials</i> , 2005, 17, 1492-1496.	21.0	74
6117	In-Plane Aligned Pb(Zr _x Ti _{1-x})O ₃ Microbelts Fabricated by Near Migration and Restricted Growth. <i>Advanced Materials</i> , 2005, 17, 1952-1956.	21.0	21
6118	Synthesis of Aligned Arrays of Ultrathin ZnO Nanotubes on a Si Wafer Coated with a Thin ZnO Film. <i>Advanced Materials</i> , 2005, 17, 2477-2481.	21.0	329
6119	Submicrometer-Sized Vaterite Tubes Formed Through Nanobubble-Templated Crystal Growth. <i>Advanced Materials</i> , 2005, 17, 2384-2388.	21.0	38
6120	Metal-Organic Chemical Vapor Deposition Synthesis of Hollow Inorganic-Fullerene-Type MoS ₂ and MoSe ₂ Nanoparticles. <i>Advanced Materials</i> , 2005, 17, 2372-2375.	21.0	122
6121	Polymer-Reinforced, Aligned Multiwalled Carbon Nanotube Composites for Microelectromechanical Systems Applications. <i>Advanced Materials</i> , 2005, 17, 2987-2992.	21.0	49
6122	Cerium Oxide Nanotubes Prepared from Cerium Hydroxide Nanotubes. <i>Advanced Materials</i> , 2005, 17, 3005-3009.	21.0	195

#	ARTICLE	IF	CITATIONS
6123	Nanotubes and Nanowires. , 2005, , 208-284.		33
6124	Synthetic Approaches for Carbon Nanotubes. , 2005, , 33-55.		1
6125	Nanotechnology: An Approach to Mimic Natural Architectures and Concepts. Advanced Engineering Materials, 2005, 7, 279-291.	3.5	8
6126	Growth model for arc-deposited fullerene-like CNx nanoparticles. Microscopy Research and Technique, 2005, 67, 100-105.	2.2	4
6127	Analysis of the chiral composition of a carbon nanotube surface by means of second harmonic generation. Journal of Raman Spectroscopy, 2005, 36, 165-170.	2.5	7
6128	A correlated method for quantifying mixed and dispersed carbon nanotubes: analysis of the Raman band intensities and evidence of wavenumber shift. Journal of Raman Spectroscopy, 2005, 36, 400-408.	2.5	42
6129	Application of multiwalled carbon nanotubes as solid phase extraction sorbent for preconcentration of trace copper in water samples. Journal of Separation Science, 2005, 28, 2339-2343.	2.5	120
6130	Organisation of Designed Nanofibres Assembled in Filaments via Flow Alignment. Macromolecular Materials and Engineering, 2005, 290, 136-142.	3.6	12
6131	Glass Transition Temperature Depression at the Percolation Threshold in Carbon Nanotube-Epoxy Resin and Polypyrrole-Epoxy Resin Composites. Macromolecular Rapid Communications, 2005, 26, 390-394.	3.9	87
6132	Preparation of Core-Sheath Nanofibers from Conducting Polymer Blends. Macromolecular Rapid Communications, 2005, 26, 1127-1132.	3.9	145
6133	Formation of o-Phenylenediamine Oligomers and their Self-Assembly into One-Dimensional Structures in Aqueous Medium. Macromolecular Rapid Communications, 2005, 26, 1504-1508.	3.9	43
6134	Facile Fabrication of Functional Polypyrrole Nanotubes via a Reactive Self-Degraded Template. Macromolecular Rapid Communications, 2005, 26, 1736-1740.	3.9	291
6135	Nanofasern und Nanoröhren: Bausteine aus Polymeren. Chemie in Unserer Zeit, 2005, 39, 26-35.	0.1	6
6136	Funktionalisierte Kohlenstoff-Nanoröhren: Nanozylinder mit hohem Anwendungspotential. Chemie in Unserer Zeit, 2005, 39, 16-25.	0.1	9
6137	Electrochemical Antitumor Drug Sensitivity Test for Leukemia K562 Cells at a Carbon-Nanotube-Modified Electrode. Chemistry - A European Journal, 2005, 11, 1467-1472.	3.3	96
6138	Nanotubes from Isomeric Dibenzoylmethane Molecules. Chemistry - A European Journal, 2005, 11, 3773-3778.	3.3	33
6139	Controlled Hydrothermal Synthesis of Bismuth Oxyhalide Nanobelts and Nanotubes. Chemistry - A European Journal, 2005, 11, 6519-6524.	3.3	199
6140	Conducting Polymer Nanostructures. ChemInform, 2005, 36, no.	0.0	0

#	ARTICLE	IF	CITATIONS
6141	Layered Metal Chalcogenides. ChemInform, 2005, 36, no.	0.0	0
6142	Multiple-walled BN nanotubes obtained with a mechanical alloying technique. Applied Physics A: Materials Science and Processing, 2005, 80, 377-380.	2.3	7
6143	Synthesis of carbon nanotubes by ECR plasma-assisted chemical vapor deposition. Applied Physics A: Materials Science and Processing, 2005, 80, 1113-1115.	2.3	4
6144	Synthesis of well-aligned carbon nanotubes by inductively coupled plasma chemical vapor deposition. Applied Physics A: Materials Science and Processing, 2005, 80, 415-421.	2.3	17
6145	Fabrication of carbon nanotube bundles and measurement of field electron emission properties. Applied Physics A: Materials Science and Processing, 2005, 80, 195-199.	2.3	8
6146	Bicrystalline indium oxide nanobelts. Applied Physics A: Materials Science and Processing, 2005, 81, 539-542.	2.3	30
6147	Growth of boron nitride nanotube film in situ. Applied Physics A: Materials Science and Processing, 2005, 81, 527-529.	2.3	18
6148	High-yield solvo-thermal synthesis of carbon nanotubes from sp ³ hydrocarbons. Applied Physics A: Materials Science and Processing, 2005, 81, 523-526.	2.3	2
6149	A reduction–nitridation route to boron nitride nanotubes. Applied Physics A: Materials Science and Processing, 2005, 81, 1035-1037.	2.3	20
6150	Catalytic production of carbon nanotubes by vapor phase growth method using tungsten-containing organic compound. Applied Physics A: Materials Science and Processing, 2005, 81, 31-34.	2.3	1
6151	Fabrication of self-standing nanowires, nanodendrites, and nanofractal-like trees on insulator substrates with an electron-beam-induced deposition. Applied Physics A: Materials Science and Processing, 2005, 80, 1431-1436.	2.3	25
6152	Structural changes of MoS ₂ nano-powder in dependence on the annealing temperature. Applied Physics A: Materials Science and Processing, 2005, 80, 61-67.	2.3	13
6153	Polyol-mediated synthesis of single-crystal tellurium nanowires directly from polycrystalline powder. Applied Physics A: Materials Science and Processing, 2005, 80, 1443-1445.	2.3	11
6154	Elastic modulus of multi-walled carbon nanotubes produced by catalytic chemical vapour deposition. Applied Physics A: Materials Science and Processing, 2005, 80, 695-700.	2.3	42
6155	Purification of carbon single-wall nanotubes by potassium intercalation and exfoliation. Applied Physics A: Materials Science and Processing, 2005, 80, 717-722.	2.3	9
6156	How do carbon nanotubes fit into the semiconductor roadmap?. Applied Physics A: Materials Science and Processing, 2005, 80, 1141-1151.	2.3	172
6157	GaS multi-walled nanotubes from the lamellar precursor. Applied Physics A: Materials Science and Processing, 2005, 80, 1413-1417.	2.3	24
6158	Single-crystalline ZnS tubular structures: preparation and characterization. Applied Physics A: Materials Science and Processing, 2005, 80, 1689-1692.	2.3	4

#	ARTICLE	IF	CITATIONS
6159	Fabrication and characterization of Zn-doped CdTe nanowires. Applied Physics A: Materials Science and Processing, 2005, 81, 1647-1650.	2.3	18
6160	Catalyst patterning methods for surface-bound chemical vapor deposition of carbon nanotubes. Applied Physics A: Materials Science and Processing, 2005, 81, 1559-1567.	2.3	23
6161	Computer simulations in the study of gold nanowires: the effect of impurities. Applied Physics A: Materials Science and Processing, 2005, 81, 1551-1558.	2.3	15
6162	Escherichia coli single-strand binding protein?DNA interactions on carbon nanotube-modified electrodes from a label-free electrochemical hybridization sensor. Analytical and Bioanalytical Chemistry, 2005, 381, 1114-1121.	3.7	84
6163	Assay for uric acid level in rat striatum by a reagentless biosensor based on functionalized multi-wall carbon nanotubes with tin oxide. Analytical and Bioanalytical Chemistry, 2005, 382, 1368-1373.	3.7	31
6164	Effect of carbon nanotube pre-treatment on dispersion and electrical properties of melt mixed multi-walled carbon nanotubes / poly(methyl methacrylate) composites. Macromolecular Research, 2005, 13, 206-211.	2.4	56
6165	Methylene-bridged carbosilanes and polycarbosilanes as precursors to silicon carbide?from ceramic composites to SiC nanomaterials. Journal of the European Ceramic Society, 2005, 25, 233-241.	5.7	49
6166	Thermal stability of benzorods: Molecular-dynamics simulations. Journal of Molecular Graphics and Modelling, 2005, 24, 213-218.	2.4	3
6167	Magnetic iron nitride nanodendrites. Journal of Solid State Chemistry, 2005, 178, 2390-2393.	2.9	11
6168	Large-scale preparation of aluminum borate-coated aluminum oxide nanowires. Journal of Solid State Chemistry, 2005, 178, 2262-2266.	2.9	8
6169	Stability and electronic structure of BN negative disclination. Journal of Solid State Chemistry, 2005, 178, 3090-3094.	2.9	4
6170	Carbon nanotubes grown using cobalt silicide as catalyst and hydrogen pretreatment. Microelectronic Engineering, 2005, 82, 221-227.	2.4	16
6171	Controlled growth of Ni particles on carbon nanotubes for fabrication of carbon nanotubes. Journal of Molecular Catalysis A, 2005, 225, 233-237.	4.8	14
6172	Influence of acid treatments of carbon nanotube precursors on Ni/CNT in the synthesis of carbon nanotubes. Journal of Molecular Catalysis A, 2005, 230, 17-22.	4.8	22
6173	Torsional buckling of multi-walled carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 404, 314-322.	5.6	43
6174	A mediatorless biosensor for putrescine using multiwalled carbon nanotubes. Analytical Biochemistry, 2005, 336, 305-311.	2.4	49
6175	Selective response of dopamine in the presence of ascorbic acid at multi-walled carbon nanotube modified gold electrode. Bioelectrochemistry, 2005, 67, 109-114.	4.6	138
6176	Liquid filled nanoparticles as a drug delivery tool for protein therapeutics. Biomaterials, 2005, 26, 7154-7163.	11.4	175

#	ARTICLE	IF	CITATIONS
6177	A nanoscale field effect data storage of bipolar endo-fullerenes shuttle device. Current Applied Physics, 2005, 5, 609-614.	2.4	7
6178	Orderly evolution in the morphology of the anode deposit in hydrogen arc discharge. Carbon, 2005, 43, 109-115.	10.3	11
6179	Synthesis and characterization of superconducting NbC nanotubes. Carbon, 2005, 43, 211-213.	10.3	20
6180	Functionalization of single-walled carbon nanotubes by using alkyl-halides. Carbon, 2005, 43, 321-325.	10.3	69
6181	Growth of carbon nanotubes by open-air laser-induced chemical vapor deposition. Carbon, 2005, 43, 437-446.	10.3	61
6182	Control of diameter distribution of single-walled carbon nanotubes using the zeolite-CCVD method at atmospheric pressure. Carbon, 2005, 43, 431-436.	10.3	72
6183	Thin-film particles of graphite oxide. 2: Preliminary studies for internal micro fabrication of single particle and carbonaceous electronic circuits. Carbon, 2005, 43, 503-510.	10.3	109
6184	Selective formation of carbon nanotubes over Co-modified beta zeolite by CCVD. Carbon, 2005, 43, 631-640.	10.3	27
6185	Field emission from the film of the finely dispersed arc discharge black core material. Carbon, 2005, 43, 937-943.	10.3	7
6186	Bending instability of an embedded double-walled carbon nanotube based on Winkler and van der Waals models. Composites Science and Technology, 2005, 65, 1337-1346.	7.8	41
6187	Selecting peptides for use in nanoscale materials using phage-displayed combinatorial peptide libraries. Current Opinion in Biotechnology, 2005, 16, 470-475.	6.6	79
6188	Micro- and nanotechnologies: dullish electrons and smart molecules. Comptes Rendus Chimie, 2005, 8, 893-902.	0.5	5
6189	Adsorption and phase transitions on nanoporous carbonaceous materials: insights from molecular simulations. Fluid Phase Equilibria, 2005, 228-229, 189-195.	2.5	14
6190	Time-dependent electron transport in carbon nanotubes with impurities. Physica B: Condensed Matter, 2005, 369, 33-38.	2.7	1
6191	Bottom-up synthesis of PS/CNF nanocomposites. Polymer, 2005, 46, 799-810.	3.8	68
6192	Processing and characterization of epoxy nanocomposites reinforced by cup-stacked carbon nanotubes. Polymer, 2005, 46, 11489-11498.	3.8	87
6193	Preparation and characterization of gas-sensitive composites from multi-walled carbon nanotubes/polystyrene. Sensors and Actuators B: Chemical, 2005, 109, 323-328.	7.8	121
6194	Carbon nanotubes-coated multi-transducing sensors for VOCs detection. Sensors and Actuators B: Chemical, 2005, 111-112, 171-180.	7.8	61

#	ARTICLE	IF	CITATIONS
6195	Growth, structure and field emission characteristics of petal like carbon nano-structured thin films. Thin Solid Films, 2005, 492, 124-130.	1.8	114
6196	Mechanics of the interface for carbon nanotube-polymer composites. Thin-Walled Structures, 2005, 43, 1787-1803.	5.3	175
6197	Modeling and calculation of field emission enhancement factor for carbon nanotubes array. Ultramicroscopy, 2005, 102, 181-187.	1.9	48
6198	Nanospace Molecular Science and Adsorption. Adsorption, 2005, 11, 21-28.	3.0	8
6199	A Study on Adsorption Equilibrium for Oxygen and Nitrogen into Carbon Nanotubes. Adsorption, 2005, 11, 207-212.	3.0	13
6200	Simulated Water Adsorption Isotherms in Hydrophilic and Hydrophobic Cylindrical Nanopores. Adsorption, 2005, 11, 397-401.	3.0	43
6201	Shear and extensional rheology of carbon nanofiber suspensions. Rheologica Acta, 2005, 44, 537-562.	2.4	102
6202	Electroreduction of α -glucose on CNT/graphite electrode modified by Zn and Zn-Fe alloy. Journal of Solid State Electrochemistry, 2005, 9, 498-503.	2.5	16
6203	Electrocatalytic Oxidation and Direct Determination of L-Tyrosine by Square Wave Voltammetry at Multi-wall Carbon Nanotubes Modified Glassy Carbon Electrodes. Mikrochimica Acta, 2005, 151, 47-52.	5.0	145
6204	Effective thermoelastic moduli and stress concentrator factors in nanocomposites. Acta Mechanica, 2005, 177, 149-169.	2.1	6
6205	Investigation of the dynamic buckling of doublewalled carbon nanotube subjected to axial periodic disturbing forces. Applied Mathematics and Mechanics (English Edition), 2005, 26, 299-306.	3.6	2
6206	Synthesis, characterizations and applications of some nanomaterials (TiO ₂ and SiC nanostructured) Tj ETQq1 1 0.784314 rgBT /Overl... of Physics, 2005, 65, 581-592.	1.8	6
6207	Synthesis and characterization of water-soluble carbon nanotubes from mustard soot. Pramana - Journal of Physics, 2005, 65, 681-697.	1.8	48
6208	Electron microscope vualization of muliphase fluids contained in closed carbon nanotubes. Journal of Visualization, 2005, 8, 137-144.	1.8	4
6209	pH-responsive poly(2-diethylaminoethyl methacrylate)-functionalized multiwalled carbon nanotubes. Science Bulletin, 2005, 50, 2276-2280.	1.7	10
6210	Carbon-nanotube-based electrochemical double-layer capacitor technologies for spaceflight applications. Jom, 2005, 57, 26-31.	1.9	37
6211	Improving the heat transfer of nanofluids and nanolubricants with carbon nanotubes. Jom, 2005, 57, 32-43.	1.9	104
6212	The processing, properties, and structure of carbon fibers. Jom, 2005, 57, 52-58.	1.9	296

#	ARTICLE	IF	CITATIONS
6213	Influence of humidity on microtribology of vertically aligned carbon nanotube film. Tribology Letters, 2005, 19, 23-28.	2.6	32
6214	Friction and wear of carbon nanohorn-containing polyimide composites. Tribology Letters, 2005, 19, 135-142.	2.6	57
6215	Solid lubrication by multiwalled carbon nanotubes in air and in vacuum. Tribology Letters, 2005, 19, 191-201.	2.6	77
6216	Ion Emitter based on Carbon Nanotubes in Liquid Helium. Journal of Low Temperature Physics, 2005, 138, 899-903.	1.4	8
6217	On the number of Kekulé structures in capped zigzag nanotubes. Journal of Mathematical Chemistry, 2005, 38, 233-246.	1.5	13
6218	On the ordering of benzenoid chains and cyclo-polyphenacenes with respect to their numbers of Clar aromatic sextets. Journal of Mathematical Chemistry, 2005, 38, 293-309.	1.5	6
6219	Structure of high-symmetry fullerenes. Journal of Structural Chemistry, 2005, 46, 501-507.	1.0	6
6220	Thermal Conductivity Enhancement in Aqueous Suspensions of Carbon Multi-Walled and Double-Walled Nanotubes in the Presence of Two Different Dispersants. International Journal of Thermophysics, 2005, 26, 647-664.	2.1	254
6221	Synthesis of Nanotubular Mg ₃ Si ₂ O ₅ (OH) ₄ -Ni ₃ Si ₂ O ₅ (OH) ₄ Silicates at Elevated Temperatures and Pressures. Inorganic Materials, 2005, 41, 743-749.	0.8	69
6222	High-Pressure Structural Transformations of Carbyne. Inorganic Materials, 2005, 41, 950-954.	0.8	2
6223	Structural Defects and Electronic Properties of TiS ₂ Nanotubes. Inorganic Materials, 2005, 41, 1118-1123.	0.8	9
6224	Acoustic Phonons and Phonon Bottleneck in Single Wall Nanotubes. Journal of Computational Electronics, 2005, 4, 91-95.	2.5	5
6225	Synthesis of carbon nanotubes via toluene-thermal reduction process at moderate temperature. Journal of Materials Science, 2005, 40, 3635-3638.	3.7	6
6226	Preparation and tribological properties of poly(methyl methacrylate)/multi-walled carbon nanotubes composites. Journal of Materials Science, 2005, 40, 4379-4382.	3.7	9
6227	Fabrication and characterization of multi-walled carbon nanotubes-based ink. Journal of Materials Science, 2005, 40, 5075-5077.	3.7	53
6228	Rod milling and thermal annealing of graphite: Passing the equilibrium barrier. Journal of Materials Science, 2005, 40, 655-662.	3.7	11
6229	Studies on CNTs/MnO ₂ nanocomposite for supercapacitors. Journal of Materials Science, 2005, 40, 1017-1018.	3.7	26
6230	Continuum Mechanics Modeling and Simulation of Carbon Nanotubes. Meccanica, 2005, 40, 455-469.	2.0	77

#	ARTICLE	IF	CITATIONS
6231	Potential energy distributions within and on single-walled and double-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2005, 7, 59-73.	1.9	5
6232	Synthesis of carbon nanotubes using a novel catalyst derived from hydrotalcite-like Co ₂ Al layered double hydroxide precursor. <i>Catalysis Letters</i> , 2005, 99, 151-156.	2.6	94
6233	Catalytic growth of carbon nanofilament in liquid hydrocarbon. <i>Catalysis Letters</i> , 2005, 101, 191-194.	2.6	6
6234	A novel approach to Co/CNTs catalyst via chemical vapor deposition of organometallic compounds. <i>Catalysis Letters</i> , 2005, 101, 211-214.	2.6	28
6235	Immobilization of β -Glucosidase on carbon nanotubes. <i>Catalysis Letters</i> , 2005, 101, 275-278.	2.6	61
6236	Synthesis, Structure, and Properties of Inorganic Nanotubes Based on Uranyl Selenates. <i>Radiochemistry</i> , 2005, 47, 525-536.	0.7	9
6237	Modification of Natural Shungites To Obtain a Mixed Nanocarbon Material (MNS). <i>Russian Journal of Applied Chemistry</i> , 2005, 78, 865-869.	0.5	5
6238	Methods for Purification of Carbon Nanotubes Obtained from Fullerene Production Deposits. <i>Russian Journal of Applied Chemistry</i> , 2005, 78, 2019-2021.	0.5	0
6239	Electrochemical properties of thin-layered composites formed by carbon nanotubes and polybithiophene. <i>Russian Journal of Electrochemistry</i> , 2005, 41, 439-446.	0.9	11
6240	Electrochemical Lithium Insertion Properties of Carbon Nanotubes Produced by Catalytic Pyrolysis of Acetylene. <i>Russian Journal of Electrochemistry</i> , 2005, 41, 946-949.	0.9	3
6241	Intercalation of Sodium and Lithium into Graphite as a First Stage in an Electrochemical Method for Producing Carbon Nanotubes. <i>Russian Journal of Electrochemistry</i> , 2005, 41, 956-963.	0.9	14
6242	Nonlinear Waves in Carbon Nanotubes under Conditions of Electron-Phonon Bonding. <i>Russian Physics Journal</i> , 2005, 48, 639-645.	0.4	1
6243	Double-helix structure in multiwall boron nitride nanotubes. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, 533-541.	0.3	59
6244	Effects of temperature and catalyst concentration on the growth of aligned carbon nanotubes. <i>Tsinghua Science and Technology</i> , 2005, 10, 729-735.	6.1	28
6245	Large-scale self-assembled ag nanotubes. <i>Tsinghua Science and Technology</i> , 2005, 10, 736-740.	6.1	9
6246	From carbon nanotube crystals to carbon nanotube flowers. <i>Tsinghua Science and Technology</i> , 2005, 10, 741-744.	6.1	2
6247	Refractive index and third-order nonlinear susceptibility of C ₆₀ in the condensed phase calculated with the discrete solvent reaction field model. <i>International Journal of Quantum Chemistry</i> , 2005, 102, 612-619.	2.0	22
6248	A theoretical study of electronic and vibrational properties of neutral, cationic, and anionic B ₂₄ clusters. <i>International Journal of Quantum Chemistry</i> , 2005, 103, 866-874.	2.0	28

#	ARTICLE	IF	CITATIONS
6249	Theoretical elastic properties of single-walled carbon nanotubes. International Journal of Quantum Chemistry, 2005, 105, 767-771.	2.0	10
6250	Simulations of metal nanowires. International Journal of Quantum Chemistry, 2005, 105, 772-780.	2.0	6
6251	Multiwalled carbon nanotube/polymer nanocomposites: Processing and properties. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 1186-1197.	2.1	80
6252	Effect of carbon nanotubes on the crystallization and properties of polypropylene. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2445-2453.	2.1	142
6253	Nanoprocessing of polymers: applications in medicine, sensors, catalysis, photonics. Polymers for Advanced Technologies, 2005, 16, 276-282.	3.2	269
6254	Synthesis and optical properties of Pb-doped ZnO nanowires. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 405-410.	1.8	32
6255	Nanobelts and nanocones of spinel Zn ₂ SnO ₄ . Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 435-440.	1.8	33
6256	Ion-assisted nanorod growth by dc magnetron sputtering. Physica Status Solidi A, 2005, 202, 2737-2741.	1.7	3
6257	Spin-polarized transport through carbon nanotubes. Physica Status Solidi (B): Basic Research, 2005, 242, 226-233.	1.5	23
6259	Comparison of the properties of waterborne polyurethane/multiwalled carbon nanotube and acid-treated multiwalled carbon nanotube composites prepared by in situ polymerization. Journal of Polymer Science Part A, 2005, 43, 3973-3985.	2.3	154
6260	Synthesis and characterization of carbon nanotube/polypyrrole core-shell nanocomposites via in situ inverse microemulsion. Journal of Polymer Science Part A, 2005, 43, 6105-6115.	2.3	102
6261	Oxidized carbon nanotubes as matrix for matrix-assisted laser desorption/ionization time-of-flight mass spectrometric analysis of biomolecules. Rapid Communications in Mass Spectrometry, 2005, 19, 255-260.	1.5	77
6262	Tuning the Field-Emission Properties of Tungsten Oxide Nanorods. Small, 2005, 1, 310-313.	10.0	116
6263	A General in situ Hydrothermal Rolling-Up Formation of One-Dimensional, Single-Crystalline Lead Telluride Nanostructures. Small, 2005, 1, 349-354.	10.0	75
6264	Direct Observation of the Growth Process of MgO Nanoflowers by a Simple Chemical Route. Small, 2005, 1, 422-428.	10.0	170
6265	Molecular Dynamics Study of the Mechanical and Electronic Properties of Carbon Nanotubes. Small, 2005, 1, 399-402.	10.0	16
6266	Chemically Functionalized Carbon Nanotubes. Small, 2005, 1, 180-192.	10.0	1,520
6267	The Cytotoxicity of Metal-Encapsulating Carbon Nanocapsules. Small, 2005, 1, 816-819.	10.0	35

#	ARTICLE	IF	CITATIONS
6268	Low-Temperature, Controlled Synthesis of Carbon Nanotubes. Small, 2005, 1, 274-276.	10.0	14
6269	Small Colorful Ribbons for Nanoscience. Small, 2005, 1, 378-380.	10.0	10
6270	Carbon Nanotubes for Microelectronics?. Small, 2005, 1, 382-390.	10.0	90
6271	Unconventional Gallium Oxide Nanowires. Small, 2005, 1, 883-888.	10.0	57
6272	Highly Improved Green Photoluminescence from CePO ₄ :Tb/LaPO ₄ Core/Shell Nanowires. Small, 2005, 1, 967-971.	10.0	70
6273	Synthesis of Fullerene-Like Tantalum Disulfide Nanoparticles by a Gas-Phase Reaction and Laser Ablation. Small, 2005, 1, 1100-1109.	10.0	48
6274	Aligned Single-Crystalline Si Nanowire Arrays for Photovoltaic Applications. Small, 2005, 1, 1062-1067.	10.0	791
6275	Boron Nitride Nanocages Synthesized by a Moderate Thermochemical Approach. Small, 2005, 1, 1199-1203.	10.0	41
6276	Preparation of Multi-Walled Carbon Nanotube Compact by the Spark Plasma System (SPS). Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2005, 52, 115-119.	0.2	0
6277	Creation of Novel Structured Nanocarbons Based on Plasma Technology. Shinku/Journal of the Vacuum Society of Japan, 2005, 48, 238-240.	0.2	0
6278	Surfactant-Assisted Controlled Synthesis of Antimony and Bismuth Three-Dimensional Superstructures in Different Hydrothermal Emulsion Systems. Australian Journal of Chemistry, 2005, 58, 539.	0.9	3
6279	Preparation of $\text{Î}^2\text{-SiC}$ nanowires and SiC@BN nanocables. European Physical Journal Special Topics, 2005, 124, 99-102.	0.2	8
6280	Carbon nanotubes (CNTs) For the development of electrochemical biosensors. Frontiers in Bioscience - Landmark, 2005, 10, 492.	3.0	126
6281	Coating Carbon Nanotubes with Compound Ultrathin Film: A Novel Route to Functional SPM tips. E-Journal of Surface Science and Nanotechnology, 2005, 3, 417-420.	0.4	2
6282	Formation of Carbon Nanotubes by Ultraviolet Laser Ablation. The Review of Laser Engineering, 2005, 33, 47-51.	0.0	1
6283	Direct Electrochemistry of Redox Proteins and Enzymes Promoted by Carbon Nanotubes. Sensors, 2005, 5, 220-234.	3.8	71
6284	On the Complexity of Fullerenes and Nanotubes. , 2005, , 1-48.		2
6286	SiC Coating on Carbon Nanotubes and Its Applications. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2005, 13, 122-126.	0.0	0

#	ARTICLE	IF	CITATIONS
6288	Topological crystals. European Physical Journal Special Topics, 2005, 131, 289-294.	0.2	7
6289	Fuel Cells: Microsystems. , 2005, , 1-13.		1
6290	STRUCTURAL CONTROL OF NANOCARBON MATERIALS BY NOVEL PLASMA PROCESSING. , 2005, , 21-27.		0
6291	12. Micro- and Mesoporous Carbon Forms, Chrysotile, and Clathrates. , 2005, , 435-448.		2
6292	Synthesis of Ni Nanowire-Encapsulated Carbon Nanotubes. Japanese Journal of Applied Physics, 2005, 44, 1577-1580.	1.5	3
6293	Influence of Acid Treatment on Dispersion of Carbon Nanotubes in PBO Matrix. Advanced Composites Letters, 2005, 14, 096369350501400.	1.3	1
6294	Reagentless electrochemical biosensor based on the multi-wall carbon nanotubes and nanogold particles composite film. Frontiers in Bioscience - Landmark, 2005, 10, 521.	3.0	9
6295	Novel Bulk Carbon Nanotube Materials for Implant by Spark Plasma Sintering. Dental Materials Journal, 2005, 24, 478-486.	1.8	20
6296	Factors determining the morphology of polyhedral crystals. , 2005, , 60-88.		0
6297	Magnetization of Finite Carbon Nanotubes. Journal of the Physical Society of Japan, 2005, 74, 1404-1407.	1.6	17
6298	Smart Nanotubes for Biotechnology. Current Pharmaceutical Biotechnology, 2005, 6, 35-47.	1.6	63
6299	Non-linear statics and dynamics of nanoelectromechanical systems based on nanoplates and nanowires. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2005, 219, 29-40.	0.1	2
6300	Electric and Magnetic Properties of Co-filled Carbon Nanotube. Journal of the Physical Society of Japan, 2005, 74, 742-745.	1.6	15
6301	Nanotube multi-functional nanoposition sensors. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2005, 219, 23-27.	0.1	7
6302	Analysis of mechanical properties of single wall carbon nanotubes fixed at a tip apex by atomic force microscopy. Nanotechnology, 2005, 16, S73-S78.	2.6	30
6303	pH-responsive poly(2-diethylaminoethyl methacrylate)-functionalized multiwalled carbon nanotubes. Science Bulletin, 2005, 50, 2276.	1.7	1
6304	Plasmon exchange model for superconductivity in carbon nanotubes and metallic nanowires. Phase Transitions, 2005, 78, 145-154.	1.3	2
6305	Research on carbon nanotube array field emission pressure sensors. Electronics Letters, 2005, 41, 824.	1.0	17

#	ARTICLE	IF	CITATIONS
6306	Surface plasmons in metallic structures. Journal of Optics, 2005, 7, S73-S84.	1.5	32
6307	Vapor Phase Growth of Carbon Microcoils / Nanocoils. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 387-0.	0.1	0
6308	Microstructure and Fracture Surfaces of Carbon Nanotubes/Magnesium Matrix Composite. Materials Science Forum, 2005, 488-489, 893-896.	0.3	6
6309	Investigation on Field Electron Emission from Carbon Nanotubes on Nanocrystalline Diamond Films. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 35-38.	0.1	2
6310	Synthesis of Titanium Dioxide Nanotubes by Ion Exchange Approach. Materials Science Forum, 2005, 475-479, 1235-1238.	0.3	4
6311	Nanotechnology on Duty in Medical Applications. Current Pharmaceutical Biotechnology, 2005, 6, 17-33.	1.6	219
6312	Analysis of Doubly Clamped Nanotube Devices in the Finite Deformation Regime. Journal of Applied Mechanics, Transactions ASME, 2005, 72, 445-449.	2.2	40
6313	Computational chemistry of isomeric fullerenes and endofullerenes. , 2005, , 891-917.		1
6314	The Effects of Encapsulated Fullerene on Dynamical Properties of a Peapod. Journal of the Physical Society of Japan, 2005, 74, 626-630.	1.6	6
6315	Structural trends interpretation of the metal-to-semiconductor transition in deformed carbon nanotubes. Journal of Applied Physics, 2005, 97, 114314.	2.5	10
6316	Field Electron Emission from Carbon Nanotube Films on Diamond Films. Materials Science Forum, 2005, 475-479, 3587-3590.	0.3	0
6317	Synthesis of Nitrogen-Doped Titanium Oxide Nanostructures Via a Surfactant-Free Hydrothermal Route. Journal of Materials Research, 2005, 20, 3011-3020.	2.6	22
6318	Nitrogen-incorporated multiwalled carbon nanotubes grown by direct current plasma-enhanced chemical vapor deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 930.	1.6	12
6319	Methane/water Adsorption Properties of Synthetic Imogolite Nanotubes. Materials Research Society Symposia Proceedings, 2005, 878, 1.	0.1	0
6320	CONTINUUM MODEL FOR STABILITY ANALYSIS OF CARBON NANOTUBES UNDER INITIAL BEND. International Journal of Structural Stability and Dynamics, 2005, 05, 579-595.	2.4	8
6321	Ideal Strength of Nano-Components. Materials Science Forum, 2005, 482, 25-32.	0.3	8
6322	Effect of Pretreatment of Synthetic and Natural Carbons as Starting Materials for Carbon Nanotubes. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 285-288.	0.1	1
6323	Effect of H ₂ Gas on Carbon Nanotubes Synthesis. Materials Science Forum, 2005, 475-479, 3559-3562.	0.3	3

#	ARTICLE	IF	CITATIONS
6324	Light Element Polycrystalline Structures Incorporating Micron to Nanosize Constituents. , 2005, , 105-145.		0
6325	Study of Carbon Films on Silicon Substrates. Materials Science Forum, 2005, 482, 203-206.	0.3	1
6326	Synthesis and Characteristic of Cuprous Oxide Nano-Whiskers with Photocatalytic Activity under Visible Light. Materials Science Forum, 2005, 475-479, 3531-3534.	0.3	5
6327	Gold Nanoparticle Mediated Formation of Aligned Nanotube Composite Films. Journal of Physical Chemistry B, 2005, 109, 11456-11460.	2.6	26
6328	Coating of SWNTs with Nickel by Electroless Plating Method. Materials Science Forum, 2005, 475-479, 1013-1018.	0.3	4
6329	Controlled direct growth of vertical and highly-ordered C_{60} carbon nanotube - silicon C_{60} heterojunction array. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	1
6330	Layer-by-Layer Thin Films of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
6331	Study on Piezoresistive of Doped Carbon Nanotube Films. Journal of Metastable and Nanocrystalline Materials, 2005, 23, 309-312.	0.1	1
6332	Rainbow Effect in Channeling of High Energy Protons in (10, 0) Single-Wall Carbon Nanotubes. Materials Science Forum, 2005, 494, 89-94.	0.3	9
6333	Criteria for the growth of fullerenes and single-walled carbon nanotubes in sooting environments. Nanotechnology, 2005, 16, 1739-1745.	2.6	11
6334	Electrically conductive polyurethanes for biomedical applications. , 2005, 5651, 329.		6
6335	Synthesis of MnWO_4 nanofibres by a surfactant-assisted complexation-precipitation approach and control of morphology. Nanotechnology, 2005, 16, 2407-2411.	2.6	43
6336	Photoluminescence properties of catalyst-free growth of needle-like ZnO nanowires. Nanotechnology, 2005, 16, 609-612.	2.6	53
6337	Mechanical Improvement of Multi-Walled Carbon Nanotube/Poly (Methyl Methacrylate) Composites. Key Engineering Materials, 2005, 297-300, 2545-2550.	0.4	3
6338	Binormal Nanohelices. Materials Research Society Symposia Proceedings, 2005, 903, 1.	0.1	0
6339	Synthesis and microstructure of $\text{Cd}_4\text{SiS}_6/\text{Si}$ composite nanowires. Journal of Electron Microscopy, 2005, 54, 485-491.	0.9	2
6340	Influence of molybdenum on the chemical vapour deposition production of carbon nanotubes. Nanotechnology, 2005, 16, S224-S229.	2.6	41
6341	New Directions in Bulk Thermoelectric Materials Research: Synthesis of Nanoscale Precursors for Bi_2Te_3 -Bulk-Composite Thermoelectric Materials. Materials Research Society Symposia Proceedings, 2005, 886, 1.	0.1	11

#	ARTICLE	IF	CITATIONS
6342	Formation, evolution and degradation of nanostructured covalent thin films deposited by Low Energy Cluster Beam Deposition. Materials Research Society Symposia Proceedings, 2005, 887, 1.	0.1	0
6343	N2 Detection by the Carbon nanotubes Mat and Bundle. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
6344	Carbon Nanotubes and Nanowires for Biological Sensing. , 2005, 300, 191-224.		15
6345	Synthesis of Multiwalled Carbon Nanotubes at Temperatures below 300Â°C by Hot-Filament Assisted Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2005, 44, L394-L397.	1.5	11
6346	Fabrication and Field Emission Properties of C60Nanorod Formed by Spin-Cast Treatment. Japanese Journal of Applied Physics, 2005, 44, L851-L853.	1.5	6
6347	Effect of Filler Orientation on Thermal Conductivity of Polypropylene Matrix Carbon Nanofiber Composites. Japanese Journal of Applied Physics, 2005, 44, L888-L891.	1.5	17
6348	CoFe-Coated Carbon Nanotube Probes for Magnetic Force Microscope. Japanese Journal of Applied Physics, 2005, 44, 2077-2080.	1.5	35
6349	Effect of aspect ratio and anode location on the field emission properties of a single tip based emitter. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 632.	1.6	61
6350	Synthesis of Pt-Entrapped Titanate Nanotubes. Japanese Journal of Applied Physics, 2005, 44, L690-L692.	1.5	26
6351	Room-Temperature Single-Hole Transistors Made Using Semiconductor Carbon Nanotube with Artificial Defects near Carrier Depletion Region. Japanese Journal of Applied Physics, 2005, 44, 461-464.	1.5	12
6352	Role of Hydrogen in Dry Etching of Silicon Carbide Using Inductively and Capacitively Coupled Plasma. Japanese Journal of Applied Physics, 2005, 44, 3817-3821.	1.5	6
6353	Chaotic signature in the motion of coupled carbon nanotube oscillators. Nanotechnology, 2005, 16, 583-589.	2.6	34
6354	Diameter-Controlled Growth of Multi-Walled Carbon Nanotubes by Hot-Filament Chemical Vapor Deposition with Ferritin as a Catalyst on a Silicon Substrate. Japanese Journal of Applied Physics, 2005, 44, 5292-5295.	1.5	17
6355	Electric Capacitance as Nanocondensers in Zigzag Nanographite Ribbons and Zigzag Carbon Nanotubes. Japanese Journal of Applied Physics, 2005, 44, 5068-5072.	1.5	1
6356	Growth of nanometric CuGaxOystructures on copper substrates. Nanotechnology, 2005, 16, 2790-2793.	2.6	5
6357	Characterization of Chemical Vapor Deposition Growth Yields of Carbon Nanotube Transistors. Japanese Journal of Applied Physics, 2005, 44, 6859-6861.	1.5	0
6358	Morphology-controllable preparation of 1D poly(vinyl pyrrolidone) nanostructured arrays. Nanotechnology, 2005, 16, 433-436.	2.6	18
6359	Formation of Nanorod-Shaped Surface of C60Film and Its Field Emission Properties. Japanese Journal of Applied Physics, 2005, 44, L388-L390.	1.5	4

#	ARTICLE	IF	CITATIONS
6360	Geometrical Structure Effect on Localization Length of Carbon Nanotubes. Chinese Physics Letters, 2005, 22, 2375-2378.	3.3	1
6361	Optically driven nanotube actuators. Nanotechnology, 2005, 16, 2548-2554.	2.6	87
6362	Fabrication of Silicon and Germanium Nanostructures by Combination of Hydrogen Plasma Dry Etching and VLS Mechanism. Japanese Journal of Applied Physics, 2005, 44, 5791-5794.	1.5	1
6363	Tunable Field-Effect Transistor Device with Metallofullerene Nanopeapods. Japanese Journal of Applied Physics, 2005, 44, 469-472.	1.5	30
6364	Electrical Resistance Measurement of an Individual Carbon Nanotube. Chinese Physics Letters, 2005, 22, 450-453.	3.3	0
6365	First experiments of selected area nano-diffraction from semiconductor interfaces using a spherical aberration corrected TEM. Microscopy (Oxford, England), 2005, 54, 123-126.	1.5	22
6366	Atomic and electronic structure of carbon strings. Journal of Physics Condensed Matter, 2005, 17, 3823-3836.	1.8	30
6367	Nanometre to micrometre wide ZnS nanoribbons. Nanotechnology, 2005, 16, 3074-3078.	2.6	16
6368	On the thermal annealing conditions for self-synthesis of tungsten carbide nanowires from WCx films. Nanotechnology, 2005, 16, 273-277.	2.6	23
6369	Chirality Dependence of Mechanical Properties of Single-Walled Carbon Nanotubes under Axial Tensile Strain. Japanese Journal of Applied Physics, 2005, 44, L1307-L1309.	1.5	30
6370	Field Emission Properties of the Nonaligned Multiwalled Carbon Nanotube Films with Different Length. Japanese Journal of Applied Physics, 2005, 44, L253-L255.	1.5	3
6371	Selective carbon nanotube growth on silicon tips with the soft electrostatic force bonding and catalyst transfer concepts. Nanotechnology, 2005, 16, S296-S299.	2.6	5
6372	Air Stable n-type Top Gate Carbon Nanotube Field Effect Transistors with Silicon Nitride Insulator Deposited by Thermal Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2005, 44, L328-L330.	1.5	12
6373	Stability analysis of carbon nanotube probes for an atomic force microscope via a continuum model. Smart Materials and Structures, 2005, 14, 1196-1203.	3.5	14
6374	Atomic structures of multi-walled boron nitride nanohorns. Microscopy (Oxford, England), 2005, 54, i9-i14.	1.5	3
6375	Transistor characteristics of thermal chemical vapor deposition carbon nanotubes field emission triode. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 868.	1.6	11
6376	Carbon nanotube field emitter manufactured by anodic-alumina template and Ni-CNT composite plating. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 563.	1.6	6
6377	Vertically aligned growth of carbon nanotubes with long length and high density. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 1450.	1.6	14

#	ARTICLE	IF	CITATIONS
6378	Character tables for the symmetry groups of single-walled carbon nanotubes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 1682.	1.6	1
6379	Magnetoplasmons in a pair of armchair carbon nanotubes. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 2266.	1.6	2
6380	Selective growth of vertical ZnO nanowires on ZnO:Ga ⁺ Si ₃ N ₄ ⁺ SiO ₂ ⁺ Si templates. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 2292.	1.6	12
6381	Positioning of carbon nanotubes using soft-lithography for electronics applications. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 3178.	1.6	10
6382	Uniformity measurement of electron emission from carbon nanotubes using electron-beam resist. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 718.	1.6	12
6383	Synthesis and Field Emission of ZnO Nanostructures on CuO Catalyzed Porous Silicon Substrate. Chinese Physics Letters, 2005, 22, 2411-2414.	3.3	3
6384	Morphology observation of carbon deposition by CH ₄ decomposition over Ni-based catalysts. Nanotechnology, 2005, 16, 129-132.	2.6	8
6385	Fabrication of PbCrO ₄ nanostructures: from nanotubes to nanorods. Nanotechnology, 2005, 16, 2619-2624.	2.6	19
6386	Control to synthesize Bi ₂ S ₃ nanowires by a simple inorganic-surfactant-assisted solvothermal process. Nanotechnology, 2005, 16, 1771-1775.	2.6	33
6387	The oscillatory damped behaviour of incommensurate double-walled carbon nanotubes. Nanotechnology, 2005, 16, 186-198.	2.6	106
6388	Electrostatically generated nanofibres for wearable electronics. , 2005, , 13-40.		11
6389	Electronic properties and tunability in Si quantum rings. Journal of Applied Physics, 2005, 98, 083703.	2.5	2
6390	Catalytic growth of group III-nitride nanowires and nanostructures by metalorganic chemical vapor deposition. Applied Physics Letters, 2005, 86, 013105.	3.3	57
6391	Charge transport effects in field emission from carbon nanotube-polymer composites. Applied Physics Letters, 2005, 87, 263105.	3.3	78
6392	Growth process of close-packed aligned carbon nanotubes on SiC. Applied Physics Letters, 2005, 87, 103105.	3.3	25
6393	Synthesis and properties of carbon nanotube arrays grown from sandwich catalyst stacks. , 0, , .		0
6394	Carbon nanotube based neuro-chip for engineering, recording and stimulation of cultured networks. , 0, , .		4
6395	Synthesis and postgrowth doping of silicon nanowires. Applied Physics Letters, 2005, 87, 193104.	3.3	38

#	ARTICLE	IF	CITATIONS
6396	Nucleation site and mechanism leading to growth of bulk-quantity Mn ₃ O ₄ nanorods. Applied Physics Letters, 2005, 86, 181911.	3.3	34
6397	Interwall support in double-walled carbon nanotubes studied by scanning tunneling microscopy. Applied Physics Letters, 2005, 86, 023110.	3.3	25
6398	Buckling properties of carbon nanotube bundles. Applied Physics Letters, 2005, 87, 041901.	3.3	79
6399	Field emission from high aspect ratio tubular carbon cones grown on gold wire. Applied Physics Letters, 2005, 87, 143107.	3.3	33
6400	A theoretical study for mechanical contact between carbon nanotubes. Journal of Chemical Physics, 2005, 122, 124709.	3.0	1
6401	Fabrication and characterization of CuO nanorods by a submerged arc nanoparticle synthesis system. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 2394.	1.6	10
6402	Template-free synthesis of helical hexagonal microtubes of indium nitride. Applied Physics Letters, 2005, 87, 063109.	3.3	32
6403	Anomalous electrorheological behavior of ZnO nanowires. Applied Physics Letters, 2005, 87, 033114.	3.3	24
6404	Carbon nanotube acoustic and optical sensors for volatile organic compound detection. Nanotechnology, 2005, 16, 2536-2547.	2.6	114
6405	Ion-implantation-prepared catalyst nanoparticles for growth of carbon nanotubes. Applied Physics Letters, 2005, 86, 053104.	3.3	22
6406	Fabrication of nanoscale C ₆₀ field-effect transistors with carbon nanotubes. Applied Physics Letters, 2005, 86, 153108.	3.3	18
6407	Equilibrium structure and strain energy of single-walled carbon nanotubes. Physical Review B, 2005, 71, .	3.2	35
6408	Monte Carlo simulations of hydrogen adsorption in alkali-doped single-walled carbon nanotubes. Journal of Chemical Physics, 2005, 123, 044708.	3.0	19
6409	Magneto-optical properties of carbon toroids: Influence of geometry and magnetic field. Physical Review B, 2005, 72, .	3.2	14
6410	Structure and formation energy of carbon nanotube caps. Physical Review B, 2005, 72, .	3.2	110
6411	Metal-semiconductor and semiconductor-semiconductor transitions in carbon nanotubes induced by intercalating alkali atoms. Physical Review B, 2005, 71, .	3.2	15
6412	Analysis of fracture nucleation in carbon nanotubes through atomistic-based continuum theory. Physical Review B, 2005, 71, .	3.2	9
6413	Mechanical properties of a carbon nanotube fixed at a tip apex: A frequency-modulated atomic force microscopy study. Physical Review B, 2005, 72, .	3.2	25

#	ARTICLE	IF	CITATIONS
6414	Nanoscale fabrication of a single multiwalled carbon nanotube attached atomic force microscope tip using an electric field. Review of Scientific Instruments, 2005, 76, 046108.	1.3	34
6415	Energetics and packing of fullerenes in nanotube peapods. Physical Review B, 2005, 71, .	3.2	48
6416	RKKY interaction in single-walled nanotubes. Physical Review B, 2005, 71, .	3.2	14
6417	Nanoelectromechanical switches with vertically aligned carbon nanotubes. Applied Physics Letters, 2005, 87, 163114.	3.3	153
6418	Monochiral tubular graphite cones formed by radial layer-by-layer growth. Physical Review B, 2005, 71, .	3.2	21
6419	One-dimensional zigzag gallium nitride nanostructures. Journal of Applied Physics, 2005, 97, 104315.	2.5	46
6420	Phonons in narrow carbon nanotubes. Physical Review B, 2005, 72, .	3.2	26
6421	Electronic properties of FeCl ₃ -adsorbed single-wall carbon nanotubes. Physical Review B, 2005, 72, .	3.2	11
6422	Charge screening of single-walled carbon nanotubes in a uniform transverse electric field. Physical Review B, 2005, 72, .	3.2	9
6423	Theory of the tangential G-band feature in the Raman spectra of metallic carbon nanotubes. Physical Review B, 2005, 72, .	3.2	29
6424	Analysis of photoluminescence from solubilized single-walled carbon nanotubes. Physical Review B, 2005, 71, .	3.2	95
6425	Precision cutting of nanotubes with a low-energy electron beam. Applied Physics Letters, 2005, 86, 053109.	3.3	143
6426	B and N ion implantation into carbon nanotubes: Insight from atomistic simulations. Physical Review B, 2005, 71, .	3.2	88
6427	Electron properties of carbon nanotubes in a periodic potential. Physical Review B, 2005, 72, .	3.2	20
6428	Single-wall nanotubes: Atomiclike behavior and microscopic approach. Physical Review B, 2005, 71, .	3.2	20
6429	Raman scattering and field-emission properties of RuO ₂ nanorods. Applied Physics Letters, 2005, 86, 103104.	3.3	44
6430	Adsorption-induced conversion of the carbon nanotube field effect transistor from ambipolar to unipolar behavior. Applied Physics Letters, 2005, 86, 093105.	3.3	41
6431	Pressure-dependent Schottky barrier at the metal-nanotube contact. Applied Physics Letters, 2005, 87, 013112.	3.3	14

#	ARTICLE	IF	CITATIONS
6432	Elasticity and stability of a helical filament. <i>Physical Review E</i> , 2005, 71, 052801.	2.1	39
6433	Isotope effect on phonon spectra in single-walled carbon nanotubes. <i>Physical Review B</i> , 2005, 72, .	3.2	10
6434	Tunneling spectroscopy of disordered multiwalled carbon nanotubes. <i>Physical Review B</i> , 2005, 71, .	3.2	6
6435	Raman modes of the deformed single-wall carbon nanotubes. <i>Physical Review B</i> , 2005, 72, .	3.2	51
6436	Production of carbon nanotubes by microwave plasma torch at atmospheric pressure. <i>Physics of Plasmas</i> , 2005, 12, 053504.	1.9	40
6437	Self-regenerative field emission source. <i>Applied Physics Letters</i> , 2005, 87, 193102.	3.3	22
6438	Dielectrophoretic micro/nanoassembly with microtweezers and nanoelectrodes. , 0, , .		11
6439	Manipulating the electronic structures of silicon carbide nanotubes by selected hydrogenation. <i>Journal of Chemical Physics</i> , 2005, 122, 214707.	3.0	72
6440	Quantum Dissociation of an Edge of a Luttinger Liquid. <i>Physical Review Letters</i> , 2005, 95, 226103.	7.8	2
6441	Gas-phase electronic spectra of C18 and C22 rings. <i>Journal of Chemical Physics</i> , 2005, 123, 034305.	3.0	46
6442	Crossover from the Luttinger-Liquid to Coulomb-Blockade Regime in Carbon Nanotubes. <i>Physical Review Letters</i> , 2005, 95, 186403.	7.8	22
6443	Determination of Optical Isomers for Left-Handed or Right-Handed Chiral Double-Wall Carbon Nanotubes. <i>Physical Review Letters</i> , 2005, 95, 187406.	7.8	27
6444	Inorganic polymer-derived tubular SiC arrays from sacrificial alumina templates. <i>Applied Physics Letters</i> , 2005, 86, 173104.	3.3	52
6445	Structural control of vertically aligned multiwalled carbon nanotubes by radio-frequency plasmas. <i>Applied Physics Letters</i> , 2005, 87, 173106.	3.3	20
6446	Nanoscale capacitors based on metalinsulator-carbon nanotube-metal (MICNM) structures. , 0, , .		2
6447	Patterning lyotropic liquid crystals as precursors for carbon nanotube arrays. <i>Applied Physics Letters</i> , 2005, 87, 173115.	3.3	15
6448	Morphological change of multiwalled carbon nanotubes through high-energy (MeV) ion irradiation. <i>Journal of Applied Physics</i> , 2005, 97, 026103.	2.5	37
6449	Oscillatory behavior of gigahertz oscillators based on multiwalled carbon nanotubes. <i>Journal of Applied Physics</i> , 2005, 98, 014301.	2.5	46

#	ARTICLE	IF	CITATIONS
6451	Ferromagnetism of an all-carbon composite composed of a carbon nanowire inside a single-walled carbon nanotube. Applied Physics Letters, 2005, 86, 163105.	3.3	22
6452	Ensemble Monte Carlo transport simulations for semiconducting carbon nanotubes. Journal of Applied Physics, 2005, 97, 114319.	2.5	56
6453	Quantum Effect Induced Reverse Kinetic Molecular Sieving in Microporous Materials. Physical Review Letters, 2005, 95, 245901.	7.8	108
6454	Energy Barriers at the Ends of Carbon Nanotube Bundles: Effects on Interstitial Adsorption Kinetics. Physical Review Letters, 2005, 94, .	7.8	30
6455	Growth and Electrochemical Properties of Single-Crystalline V ₂ O ₅ Nanorod Arrays. Japanese Journal of Applied Physics, 2005, 44, 662-668.	1.5	61
6456	Bimolecular recombination on carbon nanotubes. Physical Review B, 2005, 71, .	3.2	6
6457	Two growth modes of graphitic carbon nanofibers with herring-bone structure. Physical Review B, 2005, 72, .	3.2	5
6458	Interaction of hydrogen with vacancies in a (12,0) carbon nanotube. Physical Review B, 2005, 71, .	3.2	27
6459	Electron field emission from a single carbon nanotube: Effects of anode location. Applied Physics Letters, 2005, 87, 103112.	3.3	95
6461	Synthesis of mesoporous ZnO nanowires through a simple in situ precipitation method. Nanotechnology, 2005, 16, 671-674.	2.6	41
6462	Electronic intertube transfer in double-wall carbon nanotubes. Physical Review B, 2005, 72, .	3.2	45
6463	Alignment of single-wall carbon nanotubes by inclusion of dipolar wires. Physical Review B, 2005, 72, .	3.2	4
6464	Transport properties of carbon nanotubes encapsulating C ₆₀ and related materials. Physical Review B, 2005, 71, .	3.2	23
6465	Self-assembled network of carbon nanotubes synthesized by chemical vapor deposition in alumina porous template. Applied Physics Letters, 2005, 87, 203105.	3.3	11
6466	Electronic transport and Fano resonance in crossed carbon nanotubes. Physical Review B, 2005, 71, .	3.2	8
6467	A Poly-Si Gate Carbon Nanotube Field Effect Transistor for High Frequency Applications. , 0, , .		13
6468	Multiscale modeling of carbon nanotubes under axial tension and compression. Physical Review B, 2005, 72, .	3.2	30
6469	Effects of dangling ends on the conductance of side-contacted carbon nanotubes. Physical Review B, 2005, 72, .	3.2	13

#	ARTICLE	IF	CITATIONS
6470	Real-space electronic-structure calculations with a time-saving double-grid technique. Physical Review B, 2005, 72, .	3.2	83
6471	Synthesis and characterization of ZnSe hollow nanospheres via a hydrothermal route. Nanotechnology, 2005, 16, 551-554.	2.6	59
6472	High-density vertically aligned multiwalled carbon nanotubes with tubular structures. Applied Physics Letters, 2005, 86, 253105.	3.3	38
6473	Oscillations of local density of states in defective carbon nanotubes. Physical Review B, 2005, 71, .	3.2	11
6474	Defective transport properties of three-terminal carbon nanotube junctions. Physical Review B, 2005, 71, .	3.2	23
6475	Field electron emission from sputter-induced carbon nanofibers grown at room temperature. Applied Physics Letters, 2005, 86, 113107.	3.3	83
6476	BeB ₂ nanostructures: A density functional study. Physical Review B, 2005, 72, .	3.2	6
6477	Tubular form of aluminates with metallic conduction: Density-functional calculations. Physical Review B, 2005, 72, .	3.2	2
6478	Carbon nanotube probes for single-cell experimentation and assays. Applied Physics Letters, 2005, 87, 173901.	3.3	73
6479	Carbon Nanomaterialsâ€™DNA Bioconjugates and their Applications. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 309-318.	2.1	9
6480	Development of Electron Gun of Carbon Nanotube Cathode. , 0, , .		2
6481	Localized Lateral Growth of Single-Walled Carbon Nanotubes for Field-Effect Transistors by a Cobalt-Mix-TEOS Method. Electrochemical and Solid-State Letters, 2005, 8, G290.	2.2	5
6482	Selective local synthesis of nanowires on a microreactor chip. , 0, , .		0
6483	Computer Simulations of Carbon Nanostructures under Pressure. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 13-20.	2.1	2
6484	Defectâ€™Defect Interaction in Carbon Nanotubes under Mechanical Loading. Mechanics of Advanced Materials and Structures, 2005, 12, 55-65.	2.6	6
6485	A STUDY ON SELF-INSERTION OF PEPTIDES INTO SINGLE-WALLED CARBON NANOTUBES BASED ON MOLECULAR DYNAMICS SIMULATION. International Journal of Modern Physics C, 2005, 16, 1239-1250.	1.7	39
6486	Gas ionization sensors using well-aligned MWCNT arrays grown in porous AAO template. , 0, , .		1
6487	Soft-x-ray photoemission spectroscopy and ab initio studies on the adsorption of NO ₂ molecules on defective multiwalled carbon nanotubes. Journal of Chemical Physics, 2005, 123, 034702.	3.0	6

#	ARTICLE	IF	CITATIONS
6488	Inelastic x-ray scattering studies of low-energy charge excitations in graphite. Physical Review B, 2005, 72, .	3.2	9
6489	Band-gap formation in(n,0)single-walled carbon nanotubes(n=9,12,15,18): A first-principles study. Physical Review B, 2005, 72, .	3.2	46
6490	Uniform-diameter, aligned carbon nanotubes from microwave plasma-enhanced chemical-vapor deposition. Journal of Applied Physics, 2005, 97, 084307.	2.5	15
6491	Miniaturized detection technology in molecular diagnostics. Expert Review of Molecular Diagnostics, 2005, 5, 549-559.	3.1	20
6492	Electron-phonon interaction in ultrasmall-radius carbon nanotubes. Physical Review B, 2005, 71, .	3.2	77
6493	Synthesis of multi-walled carbon nanotubes in high yield using Mm based AB2alloy hydride catalysts and the effect of purification on their hydrogen adsorption properties. Nanotechnology, 2005, 16, 518-524.	2.6	32
6494	Combinatorial method to prepare metal nanoparticles that catalyze the growth of single-walled carbon nanotubes. Applied Physics Letters, 2005, 86, 173106.	3.3	49
6495	Diameter selective reaction processes of single-wall carbon nanotubes. Physical Review B, 2005, 71, .	3.2	40
6496	Nanomechanics of a multiwalled carbon nanotube via Flugge's theory of a composite cylindrical lattice shell. Physical Review B, 2005, 71, .	3.2	9
6497	Band Theory of Single-Walled Carbon Nanotubes. IEEE Nanotechnology Magazine, 2005, 4, 452-459.	2.0	3
6498	Temperature Dependence of the Band Gap of Semiconducting Carbon Nanotubes. Physical Review Letters, 2005, 94, 036801.	7.8	119
6499	Band-gap modification of defective carbon nanotubes under a transverse electric field. Physical Review B, 2005, 72, .	3.2	33
6500	Towards Linear Nano Servomotors with Integrated Position Sensing. , 0, , .		7
6501	Single-crystalline nanotubes of IIB-VI semiconductors. Applied Physics Letters, 2005, 87, 113107.	3.3	46
6502	Molecular motor constructed from a double-walled carbon nanotube driven by axially varying voltage. Physical Review B, 2005, 72, .	3.2	92
6503	A versatile solution route for oxide/sulfide core-shell nanostructures and nonlayered sulfide nanotubes. Nanotechnology, 2005, 16, 2721-2725.	2.6	25
6504	CHEMICAL ROUTES TO NANOCRYSTALS, NANOWIRES AND NANOTUBES. International Journal of Nanoscience, 2005, 04, 811-826.	0.7	6
6505	SURFACE MODIFICATION OF PRINTED CARBON NANOTUBES AND ITS APPLICATION OF FIELD EMISSION. Surface Review and Letters, 2005, 12, 733-739.	1.1	3

#	ARTICLE	IF	CITATIONS
6506	EXCITATIONS IN CONFINED LIQUID 4He. Modern Physics Letters B, 2005, 19, 135-156.	1.9	1
6507	JUNCTION FORMATION IN CROSSED NANOTUBES UNDER PRESSURE: MOLECULAR-DYNAMICS SIMULATIONS. International Journal of Modern Physics C, 2005, 16, 1371-1377.	1.7	4
6508	Synthesis and characterization of La _{0.825} Sr _{0.175} MnO ₃ nanowires. Journal of Physics Condensed Matter, 2005, 17, L467-L475.	1.8	34
6509	TRANSITION METAL/CARBON NANOTUBE HYBRID STRUCTURES. International Journal of Nanoscience, 2005, 04, 139-147.	0.7	0
6510	NANOFIBERS IN CdTe: IODINE THIN FILMS BY SPRAY DEPOSITION. International Journal of Nanoscience, 2005, 04, 725-729.	0.7	3
6511	In situ observation of the growth mechanisms of carbon nanotubes under diverse reaction conditions. Microscopy (Oxford, England), 2005, 54, 231-237.	1.5	54
6512	SYNTHESIS AND CHARACTERIZATION OF TUNGSTEN OXIDE NANORODS. Surface Review and Letters, 2005, 12, 745-748.	1.1	5
6513	Synthesis of Carbon Nanomaterials by a Catalytic Disproportionation of Carbon Monoxide. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 53-66.	2.1	11
6514	Environmental Transmission Electron Microscopy in Nanotechnology. , 2005, , 531-565.		23
6515	Scanning Transmission Electron Microscopy. , 2005, , 455-491.		1
6516	EFFECT OF THE VAN DER WAALS INTERACTION ON ANALYSIS OF DOUBLE-WALLED CARBON NANOTUBES. International Journal of Structural Stability and Dynamics, 2005, 05, 457-474.	2.4	4
6517	Influence of catalyst metal particles on the hydrogen sorption of single-walled carbon nanotube materials. Nanotechnology, 2005, 16, 512-517.	2.6	27
6518	Nanosystems of Polymerized Fullerenes and Carbon Nanotubes. , 2004, , 153-166.		0
6519	SOLUBLE CARBON NANOTUBES: FUNDAMENTALS AND APPLICATIONS. International Journal of Nanoscience, 2005, 04, 119-137.	0.7	98
6520	Extracting subnanometer single shells from ultralong multiwalled carbon nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14155-14158.	7.1	64
6521	THERMAL STABILITY OF BENZOROD ARRAYS: MOLECULAR-DYNAMICS SIMULATIONS. International Journal of Modern Physics C, 2005, 16, 827-834.	1.7	1
6522	Restructuring tungsten thin films into nanowires and hollow square cross-section microducts. Journal of Materials Research, 2005, 20, 2889-2894.	2.6	12
6523	Electrical Properties of Carbon Nanotube Bundles for Future Via Interconnects. Japanese Journal of Applied Physics, 2005, 44, 1626-1628.	1.5	160

#	ARTICLE	IF	CITATIONS
6524	Synthesis of metal Sn nanobelts from SnO ₂ nanopowders by a substitution reaction. Nanotechnology, 2005, 16, 2887-2891.	2.6	11
6525	n-diamond from catalysed carbon nanotubes: synthesis and crystal structure. Journal of Physics Condensed Matter, 2005, 17, L513-L519.	1.8	12
6526	Hydrogen Radical Etching Effect on Carbon Nanotube Growth. Materials Research Society Symposia Proceedings, 2005, 890, 1.	0.1	0
6527	ENHANCED GROWTH OF CARBON NANOTUBES ON SELECTED AREA USING AN AQUEOUS CATALYST. International Journal of Nanoscience, 2005, 04, 431-436.	0.7	5
6528	Advanced Photocatalysis with Anatase Nano-coated Multi-walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2005, 876, 1.	0.1	16
6529	An electromechanical material testing system for in situ electron microscopy and applications. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14503-14508.	7.1	328
6530	Well-Aligned, Vertically Al-Doped ZnO Nanowires Synthesized on ZnO:Ga-Glass Templates. Journal of the Electrochemical Society, 2005, 152, G378.	2.9	44
6531	Ordered and Parallel Niobium Oxide Nano-Tubes Fabricated using Atomic Layer Deposition in Anodic Alumina Templates. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	1
6532	CORRELATION BETWEEN ELECTRONIC STRUCTURES OF METAL-INTERCALATED SINGLE WALL CARBON NANOTUBES WITH THEIR FIELD EMISSION PROPERTIES. Journal of Theoretical and Computational Chemistry, 2005, 04, 657-668.	1.8	0
6534	Nanoscale Mechanical Properties – Measuring Techniques and Applications. , 2005, , 535-573.		0
6535	Catalytic growth and photoluminescence properties of ZnS nanowires. Nanotechnology, 2005, 16, 737-740.	2.6	59
6536	Morphological evolution of the self-assembled IrO ₂ one-dimensional nanocrystals. Nanotechnology, 2005, 16, 93-97.	2.6	15
6537	Formation energy of native defects in BN nanotubes: anab initiostudy. Nanotechnology, 2005, 16, 827-831.	2.6	74
6538	Fabrication and photoluminescence of SiO ₂ -sheathed semiconducting nanowires: the case of ZnS/SiO ₂ . Nanotechnology, 2005, 16, 501-505.	2.6	37
6539	POST HARTREE-FOCK AND DENSITY FUNCTIONAL THEORY STUDIES ON (BN) _{n=1-10} CLUSTERS. International Journal of Nanoscience, 2005, 04, 377-388.	0.7	6
6540	Effect of Pressure on Morphology of the Grown Layers of Carbon Nanotubes by Modified Plasma-Enhanced Chemical Vapor Deposition. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 365-373.	2.1	3
6541	Raman and Sers Studies of Carbon Nanotubes. , 2004, , 127-138.		0
6544	Integrated nanotube microcooler for microelectronics applications. , 0, , .		17

#	ARTICLE	IF	CITATIONS
6545	Novel Carbon Nanotubes Based on Disk-Rod Assemblies of Lyotropic Liquid Crystals. Molecular Crystals and Liquid Crystals, 2005, 435, 107/[767]-116/[776].	0.9	3
6546	Stability of Carbon Nanotube under Heat Treatment: Molecular Dynamics Simulations. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 147-154.	2.1	11
6547	A Possible Topological Arrangement of Carbon Atoms at Nanotube Junctions. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 535-541.	2.1	8
6548	Superlattice Properties of Helical Nanostructures in a Transverse Electric Field. Electromagnetics, 2005, 25, 425-435.	0.7	42
6549	Optical limiter using multi-walled carbon nanotube suspensions. , 0, , .		0
6550	Scanning Tunneling Microscopy. , 2005, , 55-112.		4
6551	Preparation of Single-Walled Carbon Nanotube Solids and Their Mechanical Properties. Journal of Materials Research, 2005, 20, 2609-2612.	2.6	13
6552	Continuous Production of Polycarbonate-Carbon Nanotube Composites. Journal of Polymer Engineering, 2005, 25, .	1.4	1
6553	Oxygen-induced p-type doping of a long individual single-walled carbon nanotube. Nanotechnology, 2005, 16, 1048-1052.	2.6	122
6554	Synthesis of single-crystalline β -Si ₃ N ₄ nanobelts by extended vapour "liquid" solid growth. Nanotechnology, 2005, 16, 2282-2287.	2.6	66
6555	Nanostructures in Uranium Oxocompounds. Materials Research Society Symposia Proceedings, 2005, 893, 1.	0.1	0
6556	Investigations of dc electrical properties in electron-beam modified carbon nanotube films: single- and multiwalled. Materials Research Society Symposia Proceedings, 2005, 887, 1.	0.1	2
6557	Synthesis of Carbon Nanotubes on Metal Substrates by Plasma-Enhanced Chemical Vapor Deposition. Key Engineering Materials, 2005, 277-279, 950-955.	0.4	0
6558	Carbon Nanotubes Prepared by CVD. Key Engineering Materials, 2005, 290, 230-233.	0.4	0
6559	AXIALLY CRITICAL LOAD OF MULTIWALL CARBON NANOTUBES UNDER THERMAL ENVIRONMENT. Journal of Thermal Stresses, 2005, 28, 185-196.	2.0	37
6560	Carbon Nanotubes: On the Road to Deliver. Current Drug Delivery, 2005, 2, 253-259.	1.6	53
6561	The 2D-3D structural transition and chemical bonding in elemental boron nanoclusters. Computing Letters, 2005, 1, 259-270.	0.5	7
6562	A Study of the Degradation Mechanism for Carbon Nanotubes in Field Emitter Applications. Materials Science Forum, 2005, 475-479, 1771-1776.	0.3	3

#	ARTICLE	IF	CITATIONS
6563	Mechanical and electronic properties of a C/BN nanocable under tensile deformation. Nanotechnology, 2005, 16, 1304-1310.	2.6	35
6564	Probing surface plasmons on individual nano-objects by near-field electron energy loss spectroscopy. , 2005, , .		2
6565	Generation of new nanomaterials by interfering femtosecond laser processing and its electronic application. , 0, , .		0
6566	Cathodoluminescence and electroluminescence from multi-layered organic structures induced by field electron emission from carbon nanotubes. , 2005, , .		0
6567	Acoustic Waves in a Self-Gravitating Collisional Dusty Plasma. Physica Scripta, 2005, 71, 207-212.	2.5	12
6568	A tribological study of double-walled and triple-walled carbon nanotube oscillators. Nanotechnology, 2005, 16, 1253-1264.	2.6	79
6569	Feature Article: Versatile Carbon Nanotubes: Synthesis, Purification and Their Applications. Polymer News, 2005, 30, 6-13.	0.1	1
6570	Nanotubes in spray deposited Nanocrystalline HgTe: I thin films. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	1
6571	Production and Properties of Glass Fibre-Reinforced Polymer Composites with Nanoparticle Modified Epoxy Matrix. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	2
6572	Large-scale synthesis of highly aligned nitrogen doped carbon nanotubes by injection chemical vapor deposition methods. Journal of Materials Research, 2005, 20, 538-543.	2.6	52
6573	Analytical and Numerical Predictions of Thermoelastic Properties of Carbon Single-Walled Nanotubes. , 2005, , 155.		0
6574	Abnormal Tribological Behavior of Multiwalled Nanotube Rafts Part I: Aligned Rafts. Journal of Engineering Materials and Technology, Transactions of the ASME, 2005, 127, 383-392.	1.4	4
6575	Conductivity in Carbon Nanotubes with Aharonovâ€“Bohm Flux. Journal of the Physical Society of Japan, 2005, 74, 3027-3034.	1.6	14
6576	In situ high temperature TEM observation of interaction between multi-walled carbon nanotube and in situ deposited gold nano-particles. Microscopy (Oxford, England), 2005, 54, 461-465.	1.5	13
6577	Growth of C/sub 60/AT's nanowhiskers for quiet millimetre-wave detectors. , 0, , .		0
6578	Systematicab initiostudy of the optical properties of BN nanotubes. Physical Review B, 2005, 71, .	3.2	157
6579	DNA Adsorption on Carbonaceous Materials. , 0, , 1-36.		36
6580	Graphite-Incorporated MoS2Nanotubes:Â A New Coaxial Binary System. Journal of Physical Chemistry B, 2005, 109, 17488-17495.	2.6	21

#	ARTICLE	IF	CITATIONS
6581	Analysis of plasma for carbon nanotube growth by plasma-enhanced chemical vapor deposition. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
6582	Transformation of nanodiamond into carbon onions: A comparative study by high-resolution transmission electron microscopy, electron energy-loss spectroscopy, x-ray diffraction, small-angle x-ray scattering, and ultraviolet Raman spectroscopy. Journal of Applied Physics, 2005, 97, 074302.	2.5	165
6583	Growth mechanism of vapor phase CVD-grown multi-walled carbon nanotubes. Carbon, 2005, 43, 2608-2617.	10.3	100
6584	Synthesis of Single-Walled Carbon Nanotubes by Pulsed Wire Discharge. Japanese Journal of Applied Physics, 2005, 44, 742-744.	1.5	12
6585	First Principles Study of Work Functions of Single Wall Carbon Nanotubes. Physical Review Letters, 2005, 94, 236602.	7.8	213
6586	Amperometric Biosensors Based on Redox Polymer~Carbon Nanotube~Enzyme Composites. Analytical Chemistry, 2005, 77, 3183-3188.	6.5	260
6587	Fabrication and characterization of magnetic carbon nanotube composites. Journal of Materials Chemistry, 2005, 15, 4497.	6.7	81
6588	Biomedical applications of functionalised carbon nanotubes. Chemical Communications, 2005, , 571.	4.1	953
6589	Quantum confinement of excitons in dendrite-like GaN nanowires. Journal of Applied Physics, 2005, 98, 086104.	2.5	12
6590	Two-dimensional atomic crystals. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 10451-10453.	7.1	10,229
6591	Functional Nanotube-based Textiles: Pathway to Next Generation Fabrics with Enhanced Sensing Capabilities. Textile Research Journal, 2005, 75, 670-680.	2.2	62
6592	Electron Nanocrystallography. , 2005, , 567-599.		0
6593	Pulsed-laser-induced nanoscale island formation in thin metal-on-oxide films. Physical Review B, 2005, 72, .	3.2	220
6594	Bismuth telluride nanotubes and the effects on the thermoelectric properties of nanotube-containing nanocomposites. Applied Physics Letters, 2005, 86, 062111.	3.3	467
6595	Effect of nanowire catalyst for carbon nanotubes growth by ICP-CVD. Diamond and Related Materials, 2005, 14, 841-845.	3.9	11
6596	Carbon Nanotube Synthesis: A Review. International Journal of Chemical Reactor Engineering, 2005, 3, .	1.1	68
6597	Optimization of the Electrochemical Behavior of Vapor Grown Carbon Nanofibers for Lithium-Ion Batteries by Impregnation, and Thermal and Hydrothermal Treatments. Journal of the Electrochemical Society, 2005, 152, A1797.	2.9	24
6598	Direct Observation of Nanocrystallite Buckling in Carbon Fibers under Bending Load. Physical Review Letters, 2005, 95, 225501.	7.8	69

#	ARTICLE	IF	CITATIONS
6599	Synthesis and characterization of diamond nanowires from carbon nanotubes. <i>Diamond and Related Materials</i> , 2005, 14, 749-752.	3.9	41
6600	Optical Transitions in Single-Wall Boron Nitride Nanotubes. <i>Physical Review Letters</i> , 2005, 94, 037405.	7.8	178
6601	Galvanic Deposition of Nanostructured Noble-Metal Films on Silicon. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, C148.	2.2	50
6602	Layer-by-Layer Assembly of Multiwall Carbon Nanotubes on Spherical Colloids. <i>Chemistry of Materials</i> , 2005, 17, 3268-3272.	6.7	140
6603	Controlled synthesis of polyaniline nanostructures with junctions using in situ self-assembly of magnetic nanoparticles. <i>Journal of Materials Chemistry</i> , 2005, 15, 4161.	6.7	36
6604	Buckling instabilities in GaN nanotubes under uniaxial compression. <i>Nanotechnology</i> , 2005, 16, 2203-2208.	2.6	31
6605	Combustion Synthesis as a Novel Method for Production of 1-D SiC Nanostructures. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16244-16251.	2.6	101
6606	ALLCN: an automatic logic-to-layout tool for carbon nanotube based nanotechnology. , 0, , .		11
6607	Controlled Growth of Mesostructured Crystalline Iron Oxide Nanowires and Fe-Filled Carbon Nanotube Arrays Templated by Mesoporous Silica SBA-16 Film. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2546-2551.	2.6	47
6608	Electronic structure of straight semiconductor-semiconductor carbon nanotube junctions. <i>Physical Review B</i> , 2005, 71, .	3.2	9
6609	Synthesis of photoconducting ZnO nano-needles using an unbalanced magnetron sputtered ZnO/Zn/ZnO multilayer structure. <i>Nanotechnology</i> , 2005, 16, 1167-1171.	2.6	89
6610	Device characterization of carbon nanotubes field emitters in diode and triode configurations. <i>Diamond and Related Materials</i> , 2005, 14, 697-703.	3.9	7
6611	The growth of carbon nanotubes at the channel ends of the SAPO4-5 zeolite structures. <i>Diamond and Related Materials</i> , 2005, 14, 1876-1881.	3.9	1
6612	On the preparation of Ni-carboxylates catalysts for growing single walled carbon nanotubes. <i>Diamond and Related Materials</i> , 2005, 14, 774-777.	3.9	1
6613	Growth of vertically aligned carbon nanotubes by CVD by evaporation of carbon precursors. <i>Diamond and Related Materials</i> , 2005, 14, 784-789.	3.9	51
6614	Growth and field emission properties of carbon nanotubes on rapid thermal annealed Ni catalyst using PECVD. <i>Diamond and Related Materials</i> , 2005, 14, 850-854.	3.9	10
6615	Fabrication and properties of under-gated triode with CNT emitter for flat lamp. <i>Diamond and Related Materials</i> , 2005, 14, 2109-2112.	3.9	33
6616	Array geometry, size and spacing effects on field emission characteristics of aligned carbon nanotubes. <i>Diamond and Related Materials</i> , 2005, 14, 2078-2083.	3.9	38

#	ARTICLE	IF	CITATIONS
6617	Structure and property features of the catalyst-assisted carbon nanostructures on Si wafer by catalyst ion implantation and ECR-CVD. <i>Diamond and Related Materials</i> , 2005, 14, 778-783.	3.9	2
6618	Tube number density control of carbon nanotubes on anodic aluminum oxide template. <i>Diamond and Related Materials</i> , 2005, 14, 804-809.	3.9	9
6619	Lateral growth of single-walled carbon nanotubes across electrodes and the electrical property characterization. <i>Diamond and Related Materials</i> , 2005, 14, 1852-1856.	3.9	25
6620	Atomic and electronic structures of boron nitride nanohorns studied by high-resolution electron microscopy and molecular orbital calculations. <i>Diamond and Related Materials</i> , 2005, 14, 1183-1189.	3.9	12
6621	The influence of filler on the emission properties and rheology of carbon nanotube paste. <i>Diamond and Related Materials</i> , 2005, 14, 2089-2093.	3.9	17
6622	Selective area growth of carbon nanostructure synthesized by catalyst-assisted conversion of nanodiamond films. <i>Diamond and Related Materials</i> , 2005, 14, 825-830.	3.9	1
6623	NEXAFS and X-ray scattering study of structure changes after post-annealing treatments of aligned MWNTs. <i>Diamond and Related Materials</i> , 2005, 14, 881-886.	3.9	12
6624	The density control of carbon nanotubes using spin-coated nanoparticle and its application to the electron emitter with triode structure. <i>Diamond and Related Materials</i> , 2005, 14, 2084-2088.	3.9	11
6625	Atomic structures and stability of boron nitride nanotubes with a cup-stacked structure. <i>Diamond and Related Materials</i> , 2005, 14, 1163-1168.	3.9	10
6626	Synthesis and field emission properties of carbon nanotubes/nanofibers grown on pyrolyzed polyaniline/SiO ₂ substrates. <i>Diamond and Related Materials</i> , 2005, 14, 1411-1415.	3.9	4
6627	Formation of gold nanoparticles supported on carbon nanotubes by using an electroless plating method. <i>Diamond and Related Materials</i> , 2005, 14, 68-73.	3.9	21
6628	Spectroscopic study during single-wall carbon nanotubes production by Ar, H ₂ , and H ₂ +Ar DC arc discharge. <i>Diamond and Related Materials</i> , 2005, 14, 887-890.	3.9	12
6629	Bending instability characteristics of double-walled carbon nanotubes. <i>Physical Review B</i> , 2005, 71, .	3.2	37
6630	Electron Beam Lithography. , 2005, , 287-321.		2
6631	Electrical conductivity of a single C ₆₀ nanotube. <i>Applied Physics Letters</i> , 2005, 87, 263117.	3.3	39
6632	Modeling of the Behavior of Random Carbon Nanotubes During Field Emission. , 0, , .		3
6633	Characteristics of Carbon and Carbon-Nitride Nanostructures Produced by Plasma Deposition from Ammonia and Methane or Acetylene. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005, 13, 447-455.	2.1	5
6634	Gas-phase synthesis of nitrogen-doped TiO ₂ nanorods by microwave plasma torch at atmospheric pressure. <i>Physics of Plasmas</i> , 2005, 12, 114501.	1.9	21

#	ARTICLE	IF	CITATIONS
6635	Magnetic alignment of carbon nanofibers in polymer composites and anisotropy of mechanical properties. Journal of Applied Physics, 2005, 97, 064312.	2.5	57
6636	Obtaining carbon nanotubes from grass. Nanotechnology, 2005, 16, 1192-1195.	2.6	84
6637	Growth of light-emitting silicate nanowires on individual Au particles in self-assembled hexagonal Au particle networks. Applied Physics Letters, 2005, 87, 163101.	3.3	11
6638	Carbon nanotubes grown from spin-coated nanoparticles for field-emission displays. Journal of Information Display, 2005, 6, 19-24.	4.0	1
6639	Observation of two-photon-induced photoluminescence in ZnO microtubes. Applied Physics Letters, 2005, 87, 051920.	3.3	42
6640	Comparative studies of temperature dependence of G-band peak in single walled carbon nanotube and highly oriented pyrolytic graphite. Applied Physics Letters, 2005, 86, 123112.	3.3	39
6641	Carbon nanotube enhanced pulsed electric field electroporation for biomedical applications. , 0, , .		6
6642	Construction of a Heteropolyanion-Containing Polypyrrole/Carbon Nanotube Modified Electrode and Its Electrocatalytic Property. Analytical Letters, 2005, 38, 1445-1456.	1.8	27
6643	Study the structure of carbon nanotube cathodes with high emission current. , 0, , .		0
6644	Exploration Study of Multifunctional Metallic Nanocomposite Utilizing Single-Walled Carbon Nanotubes for Micro/Nano Devices. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2005, 219, 67-72.	0.1	5
6645	The two-step chemical vapor deposition of Pd(allyl)Cp as an atom-efficient route to synthesize highly dispersed palladium nanoparticles on carbon nanofibers. Chemical Communications, 2005, , 282-284.	4.1	59
6646	Controlled synthesis of high crystalline bismuth sulfide nanorods: using bismuth citrate as a precursor. Journal of Materials Chemistry, 2005, 15, 4540.	6.7	72
6647	Probing the magnetic properties of cobalt-germanium nanocable arrays. Journal of Materials Chemistry, 2005, 15, 2408.	6.7	28
6648	Effects of dangling ends on the conductance of side-contacted carbon nanotubes. , 0, , .		0
6649	Single walled carbon nanotubes as active elements in nano bridge based NEMS. , 0, , .		4
6650	Thermal characterization of vertically-oriented carbon nanotubes on silicon. , 0, , .		2
6651	Molecular Characterization of the Cytotoxic Mechanism of Multiwall Carbon Nanotubes and Nano-Onions on Human Skin Fibroblast. Nano Letters, 2005, 5, 2448-2464.	9.1	499
6652	Sulfidative Purification of Carbon Nanotubes Integrated in Transistors. Journal of the American Chemical Society, 2005, 127, 8300-8301.	13.7	12

#	ARTICLE	IF	CITATIONS
6653	Fabrication of CNT nanosensors by combining micro-robotic spotting and DEP technologies. , 0, , .		0
6654	Supported coordination polymerization: a unique way to potent polyolefin carbon nanotube nanocomposites. Chemical Communications, 2005, , 781.	4.1	106
6655	Triangular lattice of carbon nanotube arrays for negative index of refraction and subwavelength lensing effect. Applied Physics Letters, 2005, 86, 153120.	3.3	15
6656	Effect of high voltage annealing on the field emission of multi-walled carbon nanotube film. , 0, , .		0
6657	Electrochemical sensors based on multi-walled carbon nanotube-Nafion nanocomposite film for determination of heavy metals and hydrogen peroxide. , 0, , .		0
6658	Carbon nanotubes and their application to molecular electronics. , 0, , .		0
6659	One-step synthesis of Sb ₂ O ₃ broom-like belts with controllable morphology. Canadian Journal of Chemistry, 2005, 83, 1093-1097.	1.1	4
6660	Chapter 7 New materials for biosensors, biochips and molecular bioelectronics. Comprehensive Analytical Chemistry, 2005, , 285-327.	1.3	16
6661	Comparison of single-walled carbon nanotube transistors fabricated by dielectrophoresis and CVD growth. , 0, , .		0
6662	New carbon-rich materials for electronics, lithium battery, and hydrogen storage applications. Chemical Communications, 2005, , 2197.	4.1	59
6663	Transformation of nanoporous oxoselenoantimonates into Sb ₂ O ₃ nanoribbons and nanorods. Chemical Communications, 2005, , 5790.	4.1	16
6664	Mechanical Characterization of Carbon Nanotube Composite Materials. Mechanics of Advanced Materials and Structures, 2005, 12, 13-19.	2.6	44
6665	CNT based nano electro mechanical systems (NEMS). , 2005, , .		8
6666	Utilization of carbon fibers in thermal management of microelectronics. , 0, , .		3
6667	Carbon Nanotube Growth on PANi and Pitch Based Carbon Fibres by HFCVD. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 383-392.	2.1	30
6668	High-aspect-ratio nanofabrication using carbon nanotube probe in scanning tunneling microscope. , 2005, , .		0
6669	Bio-sensing on a chip with compact discs and nanofibers. Lab on A Chip, 2005, 5, 1412.	6.0	22
6670	Strict preparation and evaluation of water-soluble hat-stacked carbon nanofibers for biomedical application and their high biocompatibility: influence of nanofiber-surface functional groups on cytotoxicity. Molecular BioSystems, 2005, 1, 142.	2.9	42

#	ARTICLE	IF	CITATIONS
6671	A systematic approach to fabricate CNT-based nano devices: combining DEP and microspotting technologies. , 0, , .		3
6672	Local growth of carbon nanotubes on the cantilever by chemical vapor deposition with FIB assist etching. , 0, , .		1
6673	Carbon nanotube-promoted Coâ€“Cu catalyst for highly efficient synthesis of higher alcohols from syngas. Chemical Communications, 2005, , 5094.	4.1	71
6674	Some recent developments in the chemical synthesis of inorganic nanotubes. Chemical Communications, 2005, , 5013.	4.1	117
6675	Protein Sensor Using Carbon Nanotube Field Effect Transistor. Japanese Journal of Applied Physics, 2005, 44, 1596-1598.	1.5	46
6676	CNTs stabilize high temperature anatase phase of TiO/sub 2/. , 0, , .		0
6677	New Approach in Synthesis of Carbon Allotropes in Large Quantities. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 17-24.	2.1	3
6678	Spark plasma sintering and thermal conductivity of carbon nanotube bulk materials. Journal of Applied Physics, 2005, 97, 114310.	2.5	87
6679	Length-dependent transport properties of (12,0)âˆ“(n,m)âˆ“(12,0)single-wall carbon nanotube heterostructures. Physical Review B, 2005, 72, .	3.2	18
6680	Ab initio study of electronic and optical properties of multiwall carbon nanotube structures made up of a single rolled-up graphite sheet. Physical Review B, 2005, 72, .	3.2	84
6681	Growth of Carbon Nanotubes with Alkaline Earth Carbonate as Support. Journal of Physical Chemistry B, 2005, 109, 10087-10091.	2.6	74
6682	Hydrocarbon and Carbon Nanostructures Produced by Sonochemical Reactions of Organic Solvents on Hydrogen-Passivated Silicon Nanowires under Ambient Conditions. Chemistry of Materials, 2005, 17, 5780-5788.	6.7	18
6683	Preferential Growth of Single-Walled Carbon Nanotubes on Silica Spheres by Chemical Vapor Deposition. Journal of Physical Chemistry B, 2005, 109, 6963-6967.	2.6	28
6684	Superlattice properties of carbon nanotubes in a transverse electric field. Physical Review B, 2005, 71, .	3.2	73
6685	Confinement of Selenium into Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 189-194.	2.1	8
6686	{[Cu2(bpdado)2(H2O)2]ÂˆH2O}n: A 1D nanotubular coordination polymer with wall made of edge-sharing hexagons, where bpdado = 2,2â€²-bipyridine-3,3â€²-dicarboxylate-1,1â€²-dioxide. Dalton Transactions, 2005, , 2976.	3.3	34
6687	Synthesis, Characterization, and Stability of Feâˆ“MCM-41 for Production of Carbon Nanotubes by Acetylene Pyrolysis. Journal of Physical Chemistry B, 2005, 109, 2645-2656.	2.6	77
6688	Evolution of Single Crystalline Dendrites from Nanoparticles through Oriented Attachment. Journal of Physical Chemistry B, 2005, 109, 794-798.	2.6	152

#	ARTICLE	IF	CITATIONS
6689	Positronium Formation in Alkali Metal-intercalated Cup-stacked Carbon Nanofibers. Journal of the Physical Society of Japan, 2005, 74, 1320-1322.	1.6	2
6690	Selective Matching of Catalyst Element and Carbon Source in Single-Walled Carbon Nanotube Synthesis on Silicon Substrates. Journal of Physical Chemistry B, 2005, 109, 2632-2637.	2.6	52
6691	Bond order bond polarizability model for fullerene cages and nanotubes. Journal of Chemical Physics, 2005, 123, 214708.	3.0	10
6692	Synthesis and Optical Properties of CdS Nanoribbons. Journal of Physical Chemistry B, 2005, 109, 19134-19138.	2.6	68
6693	Relationship between the Growth of Carbon Nanofilaments and Metal Dusting Corrosion. Chemistry of Materials, 2005, 17, 3794-3801.	6.7	52
6694	In-Situ X-ray Scattering Studies of a Unique Toughening Mechanism in Surface-Modified Carbon Nanofiber/UHMWPE Nanocomposite Films. Macromolecules, 2005, 38, 3883-3893.	4.8	70
6695	Modeling a Suspended Nanotube Oscillator. Nano Letters, 2005, 5, 523-526.	9.1	78
6696	Nanolubricants and applications-nanotechnology in solid lubrication. , 2005, , .		2
6697	Selective Dissolution of the Silver Component in Colloidal Au and Ag Multilayers: A Facile Way to Prepare Nanoporous Gold Film Materials. Langmuir, 2005, 21, 5179-5184.	3.5	20
6698	Theoretical Study of the ^{13}C NMR Spectroscopy of Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2005, 127, 17948-17953.	13.7	36
6699	Atomic structures and mechanical properties of single-crystal GaN nanotubes. Physical Review B, 2005, 71, .	3.2	43
6700	Review on the Production and Synthesis of Nanosized SnO_2 . Solid State Phenomena, 2005, 106, 57-62.	0.3	10
6701	Pressure-induced structural transition of double-walled carbon nanotubes. Physical Review B, 2005, 72, .	3.2	31
6702	n-Type Doping for Single-Walled Carbon Nanotubes by Oxygen Ion Implantation with 25 eV Ultralow-Energy Ion Beam. Japanese Journal of Applied Physics, 2005, 44, 8237-8239.	1.5	10
6704	Selective growth of carbon nanotubes on silicon protrusions. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 754.	1.6	14
6705	Sub-Micrometer-Sized Metal Tubes from Electrospun Fiber Templates. Langmuir, 2005, 21, 10791-10796.	3.5	62
6706	Dual Raman Features of Double Coaxial Carbon Nanotubes with N-Doped and B-Doped Multiwalls. Nano Letters, 2005, 5, 2465-2469.	9.1	238
6707	Constrained Iron Catalysts for Single-Walled Carbon Nanotube Growth. Langmuir, 2005, 21, 8466-8470.	3.5	41

#	ARTICLE	IF	CITATIONS
6708	Microwave attenuation of multiwalled carbon nanotube-fused silica composites. <i>Applied Physics Letters</i> , 2005, 87, 123103.	3.3	158
6709	Nanotubes Fabricated from Ni~Naphthalocyanine by a Template Method. <i>Journal of the American Chemical Society</i> , 2005, 127, 12792-12793.	13.7	81
6710	Square Wave Voltammetry Determination of Brucine at Multiwall Carbon Nanotube~Modified Glassy Carbon Electrodes. <i>Analytical Letters</i> , 2005, 38, 657-671.	1.8	66
6711	Microscopy and Spectroscopy of Interactions between Metallopolymers and Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13205-13209.	2.6	13
6712	Synthesis of Multi-Walled and Bamboo-like Well-Crystalline CNxNanotubes with Controllable Nitrogen Concentration ($x = 0.05 \sim 1.02$). <i>Inorganic Chemistry</i> , 2005, 44, 6506-6508.	4.0	13
6713	Iron Silicide Root Formation in Carbon Nanotubes Grown by Microwave PECVD. <i>Journal of Physical Chemistry B</i> , 2005, 109, 24215-24219.	2.6	18
6714	Molecular Information Technology. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2005, 30, 33-69.	12.3	49
6715	Local Environment and Property of Water inside the Hollow Cylinder of a Lipid Nanotube. <i>Langmuir</i> , 2005, 21, 721-727.	3.5	67
6716	Enthalpy and Entropy Effects in Hydrogen Adsorption on Carbon Nanotubes. <i>Langmuir</i> , 2005, 21, 6282-6288.	3.5	31
6717	β -1,3-Glucan polysaccharides as novel one-dimensional hosts for DNA/RNA, conjugated polymers and nanoparticles. <i>Chemical Communications</i> , 2005, , 4383.	4.1	116
6718	Continuous On-Line Monitoring of Extracellular Ascorbate Depletion in the Rat Striatum Induced by Global Ischemia with Carbon Nanotube-Modified Glassy Carbon Electrode Integrated into a Thin-Layer Radial Flow Cell. <i>Analytical Chemistry</i> , 2005, 77, 6234-6242.	6.5	125
6719	A Theoretical Study of Dibenzothiophene Absorbed on Open-Ended Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 14868-14875.	2.6	25
6720	Measurement of thermal conductivity of individual multiwalled carbon nanotubes by the $3\text{-}\Omega$ method. <i>Applied Physics Letters</i> , 2005, 87, 013108.	3.3	163
6721	Selective Chemical Vapor Deposition Synthesis of Double-Wall Carbon Nanotubes on Mesoporous Silica. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1141-1147.	2.6	67
6722	Fabrication and Magnetic Properties of Ni Nanospheres Encapsulated in a Fullerene-like Carbon. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9495-9498.	2.6	70
6723	CVD Growth of N-Doped Carbon Nanotubes on Silicon Substrates and Its Mechanism. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9275-9279.	2.6	68
6724	In-situ Formation of Ultrathin Ge Nanobelts Bonded with Nanotubes. <i>Nano Letters</i> , 2005, 5, 1419-1422.	9.1	29
6725	A low temperature combination method for the production of ZnO nanowires. <i>Nanotechnology</i> , 2005, 16, 2188-2192.	2.6	187

#	ARTICLE	IF	CITATIONS
6726	Tubular Configurations and Structure-Dependent Anisotropic Strains in GaS Multi-Walled Sub-Microtubes. <i>Journal of the American Chemical Society</i> , 2005, 127, 16860-16865.	13.7	14
6727	Inclusion of Cut and As-Grown Single-Walled Carbon Nanotubes in the Helical Superstructure of Schizophyllan and Curdlan (β -1,3-Glucans). <i>Journal of the American Chemical Society</i> , 2005, 127, 5875-5884.	13.7	225
6728	Thermodynamic calculations on the catalytic growth of multiwall carbon nanotubes. <i>Physical Review B</i> , 2005, 71, .	3.2	59
6729	Catalytically Grown Carbon Nanotubes of Small Diameter Have a High Young's Modulus. <i>Nano Letters</i> , 2005, 5, 2074-2077.	9.1	65
6730	Electrochemical Behavior of Daunorubicin at DNA-MWCNT Bioconjugates Modified Glassy Carbon Electrodes. <i>Analytical Letters</i> , 2005, 38, 2579-2595.	1.8	17
6731	^{129}Xe and ^{131}Xe NMR of Gas Adsorption on Single- and Multi-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 17907-17912.	2.6	35
6732	Phenomenology of the Growth of Single-Walled Aluminosilicate and Aluminogermanate Nanotubes of Precise Dimensions. <i>Chemistry of Materials</i> , 2005, 17, 4900-4909.	6.7	153
6733	Experimental imaging of silicon nanotubes. <i>Applied Physics Letters</i> , 2005, 86, 231901.	3.3	128
6734	Template Synthesis of Nanotubes by Room-Temperature Coalescence of Metal Nanoparticles. <i>Chemistry of Materials</i> , 2005, 17, 3743-3748.	6.7	79
6735	Preconcentration of Volatile Organics on Self-Assembled, Carbon Nanotubes in a Microtrap. <i>Analytical Chemistry</i> , 2005, 77, 1183-1187.	6.5	81
6736	52nd Hatfield Memorial Lecture Large chunks of very strong steel. <i>Materials Science and Technology</i> , 2005, 21, 1293-1302.	1.6	123
6737	Purification of Pulsed Laser Synthesized Single Wall Carbon Nanotubes by Magnetic Filtration. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16636-16643.	2.6	37
6738	Theory of infrared-active phonons in carbon nanotubes. <i>Physical Review B</i> , 2005, 72, .	3.2	11
6739	Nanoscale Vibrational Analysis of Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2005, 127, 2533-2537.	13.7	222
6740	Helical Structure of Single-Crystalline ZnGa ₂ O ₄ Nanowires. <i>Journal of the American Chemical Society</i> , 2005, 127, 10802-10803.	13.7	87
6741	Dispersion of Acid-Treated Carbon Nanofibers into Gel Matrices Prepared by the Sol-Gel Method. <i>Journal of Physical Chemistry B</i> , 2005, 109, 23170-23174.	2.6	22
6742	Thermodynamic and Kinetic Size Limit of Nanowire Growth. <i>Journal of Physical Chemistry B</i> , 2005, 109, 9966-9969.	2.6	36
6743	Solution-Phase Synthesis and Electrochemical Hydrogen Storage of Ultra-Long Single-Crystal Selenium Submicrotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 22830-22835.	2.6	38

#	ARTICLE	IF	CITATIONS
6744	Adsorption of Atomic Hydrogen on Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2005, 109, 8967-8972.	2.6	67
6745	Synthesis of SiC Nanorods by Chemical Vapor Deposition. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 91-97.	2.1	10
6746	Solubility of MoS ₂ Nanowires in Common Solvents: A Sedimentation Study. Journal of Physical Chemistry B, 2005, 109, 7124-7133.	2.6	105
6747	Bundle-like Assemblies of Cadmium Hydroxide Nanostrands and Anionic Dyes. Journal of the American Chemical Society, 2005, 127, 8296-8297.	13.7	53
6748	Distribution of Carbon Nanotube Sizes from Adsorption Measurements and Computer Simulation. Journal of Physical Chemistry B, 2005, 109, 14659-14666.	2.6	30
6749	Self-Organized Perylene Diimide Nanofibers. Journal of Physical Chemistry B, 2005, 109, 724-730.	2.6	127
6750	Reduction and Reconstruction of Co ₃ O ₄ Nanocubes upon Carbon Deposition. Journal of Physical Chemistry B, 2005, 109, 17113-17119.	2.6	27
6751	Aligned N-Doped Carbon Nanotube Bundles Prepared via CVD Using Zeolite Substrates. Chemistry of Materials, 2005, 17, 4502-4508.	6.7	52
6752	Self diffusion of argon in flexible, single wall, carbon nanotubes. Molecular Simulation, 2005, 31, 385-389.	2.0	11
6753	Formation of Densely Packed Single-Walled Carbon Nanotube Assembly. Chemistry of Materials, 2005, 17, 6422-6429.	6.7	24
6754	Carbon Nanotube Growth on a Swellable Clay Matrix. Chemistry of Materials, 2005, 17, 3468-3474.	6.7	53
6755	Temperature dependence of the field emission of multiwalled carbon nanotubes. Applied Physics Letters, 2005, 86, 2631-2634.	3.3	48
6756	Growth of Conical Carbon Nanotubes by Chemical Reduction of MgCO ₃ . Journal of Physical Chemistry B, 2005, 109, 10557-10560.	2.6	22
6757	Investigation of Possible Structures of Silicon Nanotubes via Density-Functional Tight-Binding Molecular Dynamics Simulations and ab Initio Calculations. Journal of Physical Chemistry B, 2005, 109, 8605-8612.	2.6	72
6758	Effect of Support and Reactant on the Yield and Structure of Carbon Growth by Chemical Vapor Deposition. Journal of Physical Chemistry B, 2005, 109, 6096-6102.	2.6	61
6759	Molecular Structure of Glucopyranosylamide Lipid and Nanotube Morphology. Langmuir, 2005, 21, 743-750.	3.5	93
6760	Parallel Alignment of Carbon Nanotubes Induced with Inorganic Molecules. Langmuir, 2005, 21, 12068-12071.	3.5	5
6761	Functionalization and Extraction of Large Fullerenes and Carbon-Coated Metal Formed during the Synthesis of Single Wall Carbon Nanotubes by Laser Oven, Direct Current Arc, and High-Pressure Carbon Monoxide Production Methods. Journal of Physical Chemistry B, 2005, 109, 4416-4418.	2.6	33

#	ARTICLE	IF	CITATIONS
6762	Catalytic Functions of Mo/Ni/MgO in the Synthesis of Thin Carbon Nanotubes. Journal of Physical Chemistry B, 2005, 109, 4439-4447.	2.6	73
6763	Assignment of Carbon Chain Molecules in Cryogenic Matrices by Selective Laser-Induced Oxidation. Journal of Physical Chemistry A, 2005, 109, 7708-7713.	2.5	12
6764	Formation, Structure, and Stability of Titanate Nanotubes and Their Proton Conductivity. Journal of Physical Chemistry B, 2005, 109, 5439-5444.	2.6	194
6765	Diffraction by DNA, carbon nanotubes and other helical nanostructures. Reports on Progress in Physics, 2005, 68, 1181-1249.	20.1	52
6766	Luminescent Properties of Pure Cubic Phase Y ₂ O ₃ /Eu ³⁺ +Nanotubes/Nanowires Prepared by a Hydrothermal Method. Journal of Physical Chemistry B, 2005, 109, 15236-15242.	2.6	114
6767	Single-Walled Carbon Nanotube-Based Coaxial Nanowires: Synthesis, Characterization, and Electrical Properties. Journal of Physical Chemistry B, 2005, 109, 1101-1107.	2.6	70
6768	Surface-to-Depth Analysis of Functionalized Multi-Wall Carbon Nanotubes (FMWCNTS). Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 477-484.	2.1	5
6769	Prediction of a Family of Cage-shaped Boric Acid Clusters. Journal of Physical Chemistry B, 2005, 109, 8562-8564.	2.6	17
6770	InOOH Hollow Spheres Synthesized by a Simple Hydrothermal Reaction. Journal of Physical Chemistry B, 2005, 109, 20676-20679.	2.6	59
6771	Synthesis and Magnetic Properties of Manganese-Doped GaP Nanowires. Journal of Physical Chemistry B, 2005, 109, 9311-9316.	2.6	36
6772	Sorption of ²⁴³ Am(III) to Multiwall Carbon Nanotubes. Environmental Science & Technology, 2005, 39, 2856-2860.	10.0	347
6773	Vapor-Solid Growth and Characterization of Aluminum Nitride Nanocones. Journal of the American Chemical Society, 2005, 127, 1318-1322.	13.7	258
6774	Isolating Single-Wall Carbon Nanohorns as Small Aggregates through a Dispersion Method. Journal of Physical Chemistry B, 2005, 109, 22201-22204.	2.6	45
6775	Bowls, Balls and Sheets of Boric Acid Clusters: The Role of Pentagon and Hexagon Motifs. Journal of Physical Chemistry A, 2005, 109, 8587-8593.	2.5	15
6776	Single Crystalline Submicrotubes from Small Organic Molecules. Chemistry of Materials, 2005, 17, 6430-6435.	6.7	110
6777	Dynamic polarization effects in ion channeling through single-wall carbon nanotubes. Physical Review A, 2005, 72, .	2.5	23
6778	Carbon Nanotubes for Biomedical Applications. IEEE Transactions on Nanobioscience, 2005, 4, 180-195.	3.3	348
6779	Fluid Dynamics in Subnanometer Channels of Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 287-291.	2.1	4

#	ARTICLE	IF	CITATIONS
6780	Oxidation, Deformation, and Destruction of Carbon Nanotubes in Aqueous Ceric Sulfate. Journal of Physical Chemistry B, 2005, 109, 1400-1407.	2.6	38
6781	Synthesis of Mesoporous Carbons Using Ordered and Disordered Mesoporous Silica Templates and Polyacrylonitrile as Carbon Precursor. Journal of Physical Chemistry B, 2005, 109, 9216-9225.	2.6	200
6782	Geometrical and electronic structures of the (5, 3) single-walled gold nanotube from first-principles calculations. Physical Review B, 2005, 71, .	3.2	21
6783	Structure and formation of H ₂ Ti ₃ O ₇ nanotubes in an alkali environment. Physical Review B, 2005, 71, .	3.2	145
6784	Light-scattering and dispersion behavior of multiwalled carbon nanotubes. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2005, 22, 1546.	1.5	19
6785	Cognitive radio: brain-empowered wireless communications. IEEE Journal on Selected Areas in Communications, 2005, 23, 201-220.	14.0	9,851
6786	Low-field semiclassical carrier transport in semiconducting carbon nanotubes. Physical Review B, 2005, 71, .	3.2	62
6787	Thermal conduction of carbon nanotubes using molecular dynamics. Physical Review B, 2005, 71, .	3.2	131
6788	Structural characterization of the fullerene nanotubes prepared by the liquid-liquid interfacial precipitation method. Journal of Materials Research, 2005, 20, 688-695.	2.6	85
6789	Improved photoluminescent properties in one-dimensional LaPO ₄ :Eu ³⁺ nanowires. Optics Letters, 2005, 30, 483.	3.3	19
6790	Electrospun Polyacrylonitrile Nanofibers Containing a High Concentration of Well-Aligned Multiwall Carbon Nanotubes. Chemistry of Materials, 2005, 17, 967-973.	6.7	425
6791	Adsorption and separation of linear and branched alkanes on carbon nanotube bundles from configurational-bias Monte Carlo simulation. Physical Review B, 2005, 72, .	3.2	93
6792	Application of image plate for structural studies of carbon nanotubes by high-energy X-ray diffraction. Journal of Alloys and Compounds, 2005, 401, 51-54.	5.5	20
6793	Complementary studies of structural characteristics for carbon materials with X-rays and neutrons. Journal of Alloys and Compounds, 2005, 401, 18-23.	5.5	8
6794	Bulk-quantity SnO ₂ nanorods synthesized from simple calcining process based on annealing precursor powders. Journal of Non-Crystalline Solids, 2005, 351, 3619-3623.	3.1	7
6795	Structural characterization of Zn ₃ N ₂ nanowires prepared by nitridation technique. Materials Letters, 2005, 59, 2643-2646.	2.6	7
6796	Simulations of optical properties of aligned metal filled carbon nanotube embedded in an insulating medium. Materials Letters, 2005, 59, 3445-3447.	2.6	2
6797	Synthesis of ZnO nanostructures on CuO catalyzed porous silicon substrate. Materials Letters, 2005, 59, 3525-3529.	2.6	8

#	ARTICLE	IF	CITATIONS
6798	Simulation of the elastic response and the buckling modes of single-walled carbon nanotubes. Computational Materials Science, 2005, 32, 141-146.	3.0	106
6799	Molecular dynamics simulations of nanomemory element based on boron-nitride nanotube-to-peapod transition. Computational Materials Science, 2005, 33, 317-324.	3.0	11
6800	Thermo-mechanical properties of randomly oriented carbon/epoxy nanocomposites. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1555-1561.	7.6	326
6801	Influence of nano-modification on the mechanical and electrical properties of conventional fibre-reinforced composites. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1525-1535.	7.6	563
6802	Synthesis and characterization of highly ordered BiFeO ₃ multiferroic nanowire arrays. Progress in Solid State Chemistry, 2005, 33, 147-151.	7.2	29
6803	Adsorption thermodynamic, kinetic and desorption studies of Pb ²⁺ on carbon nanotubes. Water Research, 2005, 39, 605-609.	11.3	666
6804	Hydrogen sensors based on carbon nanotubes thin films. Synthetic Metals, 2005, 148, 15-19.	3.9	183
6805	Cathodoluminescence from organic bilayer induced by field electron emission of carbon nanotubes. Synthetic Metals, 2005, 155, 258-261.	3.9	1
6806	Carbon nanotube/polyaniline core-shell nanowires prepared by in situ inverse microemulsion. Synthetic Metals, 2005, 150, 271-277.	3.9	141
6807	Multicomponent Micropatterns on Carbon Nanotubes. Synthetic Metals, 2005, 154, 225-228.	3.9	7
6808	Self-Forming Microtubes of Polypyrrole: Reaction Conditions and Physical Properties. Synthetic Metals, 2005, 152, 145-148.	3.9	6
6809	Magnetic vs. charge ordered states, and electric capacitance in zigzag nanographite ribbons. Synthetic Metals, 2005, 152, 317-320.	3.9	3
6810	Effect of hydroxyl radical on the structure of multi-walled carbon nanotubes. Synthetic Metals, 2005, 155, 509-515.	3.9	115
6811	The interface behavior of hemoglobin at carbon nanotube and the detection for HO. Talanta, 2005, 65, 489-494.	5.5	174
6812	Selective detection of dopamine in the presence of ascorbic acid and uric acid by a carbon nanotubes-ionic liquid gel modified electrode. Talanta, 2005, 66, 51-57.	5.5	425
6813	Catalytic oxidation of thiols at preheated glassy carbon electrode modified with abrasive immobilization of multiwall carbon nanotubes: applications to amperometric detection of thiocytosine, -cysteine and glutathione. Talanta, 2005, 66, 967-975.	5.5	156
6814	Coordination Polymers of La(III) as Bunched Infinite Nanotubes and Their Conversion into an Open-Framework Structure. Inorganic Chemistry, 2005, 44, 3156-3161.	4.0	129
6815	Novel Electrochemical Biosensing Platform Using Self-Assembled Peptide Nanotubes. Nano Letters, 2005, 5, 183-186.	9.1	289

#	ARTICLE	IF	CITATIONS
6816	Nanocrystalline diamond synthesized from C60. <i>Diamond and Related Materials</i> , 2005, 14, 16-22.	3.9	85
6817	Vertically aligned carbon nanofibers and related structures: Controlled synthesis and directed assembly. <i>Journal of Applied Physics</i> , 2005, 97, 041301.	2.5	593
6818	Theoretical study of the stability of defects in single-walled carbon nanotubes as a function of their distance from the nanotube end. <i>Physical Review B</i> , 2005, 72, .	3.2	83
6819	Molecular Gels: A Reservoir for Organic Rod-Like Nano-Objects. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005, 13, 293-307.	2.1	1
6820	The smoothness of tetrahedral amorphous carbon. <i>Diamond and Related Materials</i> , 2005, 14, 913-920.	3.9	37
6821	Fundamental transmitting properties of carbon nanotube antennas. <i>IEEE Transactions on Antennas and Propagation</i> , 2005, 53, 3426-3435.	5.1	383
6822	Three-dimensional atomistic simulation of carbon nanotube FETs with realistic geometry. , 0, , .		5
6823	Composite Polymer Nanofibers with Carbon Nanotubes and Titanium Dioxide Particles. <i>Langmuir</i> , 2005, 21, 5600-5604.	3.5	197
6824	Uniform and high-quality submicrometer tubes of GaS layered crystals. <i>Applied Physics Letters</i> , 2005, 87, 153112.	3.3	22
6825	A nondestructive tool for nanomaterials: Raman and photoluminescence spectroscopy. <i>American Journal of Physics</i> , 2005, 73, 224-233.	0.7	23
6826	Structural analysis and growing mechanisms for long SnO ₂ nanorods synthesized by spray pyrolysis. <i>Nanotechnology</i> , 2005, 16, 688-694.	2.6	72
6827	Nucleus-Independent Chemical Shifts (NICS) as an Aromaticity Criterion. <i>Chemical Reviews</i> , 2005, 105, 3842-3888.	47.7	2,815
6828	Fundamental Properties of Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2005, 109, 52-65.	2.6	142
6829	Carbon-nanotube electron emitters for display applications. <i>Journal of the Society for Information Display</i> , 2005, 13, 709.	2.1	3
6830	Pen-writable nanocarbon arrays fabricated using liquid-crystalline materials for potential use in displays. <i>Journal of the Society for Information Display</i> , 2005, 13, 735.	2.1	0
6831	Porphyriin-Carbon Nanotube Composites Formed by Noncovalent Polymer Wrapping. <i>Chemistry of Materials</i> , 2005, 17, 716-724.	6.7	183
6832	Hydrothermal Synthesis and Characterization of Quasi-1D Tungsten Disulfide Nanocrystal. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 635-639.	2.4	16
6833	Second-harmonic generation and linear electro-optical coefficients of BN nanotubes. <i>Physical Review B</i> , 2005, 72, .	3.2	77

#	ARTICLE	IF	CITATIONS
6834	Low-resistance multi-walled carbon nanotube vias with parallel channel conduction of inner shells [IC interconnect applications]. , 0, , .		30
6835	Synthesis of Multiwalled Carbon Nanotubes through a Modified Wolffâ~Kishner Reduction Process. Journal of the American Chemical Society, 2005, 127, 18018-18019.	13.7	22
6836	Spectroscopic Evidence for Î€~Î€ Interaction between Poly(diallyl dimethylammonium) Chloride and Multiwalled Carbon Nanotubes. Journal of Physical Chemistry B, 2005, 109, 4481-4484.	2.6	265
6837	Carbon-based nanotechnology on a supercomputer. Journal of Physics Condensed Matter, 2005, 17, R413-R459.	1.8	18
6838	Substituted Carborane-Appended Water-Soluble Single-Wall Carbon Nanotubes:â€ New Approach to Boron Neutron Capture Therapy Drug Delivery. Journal of the American Chemical Society, 2005, 127, 9875-9880.	13.7	314
6839	Preparation of uniformly dispersed iron-acetate nanoparticles using freeze-drying method for the growth of carbon nanotubes. Diamond and Related Materials, 2005, 14, 810-814.	3.9	6
6840	Gate-Defined Quantum Dots on Carbon Nanotubes. Nano Letters, 2005, 5, 1267-1271.	9.1	86
6841	Structural Characterization of Nickel Oxide Nanowires by X-ray Absorption Near-Edge Structure Spectroscopy. Journal of Physical Chemistry B, 2005, 109, 2512-2515.	2.6	50
6842	Photocatalytic TiO2/Glass Nanoflake Array Films. Langmuir, 2005, 21, 3486-3492.	3.5	41
6843	Fabrication of high surface area graphitic nanoflakes on carbon nanotubes templates. Diamond and Related Materials, 2005, 14, 1897-1900.	3.9	29
6844	P-37: Electrophoresis Deposition Method to Fabricate CNT-FED Cathode in Water Base Solution. Digest of Technical Papers SID International Symposium, 2005, 36, 411.	0.3	2
6845	Water in carbon nanotubes: Adsorption isotherms and thermodynamic properties from molecular simulation. Journal of Chemical Physics, 2005, 122, 234712.	3.0	225
6846	Air separation by single wall carbon nanotubes: Thermodynamics and adsorptive selectivity. Journal of Chemical Physics, 2005, 123, 044705.	3.0	41
6847	Organometallic Precursors for Use as Catalysts in Carbon Nanotube Synthesis. Organometallics, 2005, 24, 972-976.	2.3	25
6848	Layer-by-Layer Assembly of Human Serum Albumin and Phospholipid Nanotubes Based on a Template. Langmuir, 2005, 21, 1679-1682.	3.5	80
6849	Topology-Aided Molecular Design:Â The Platonic Molecules of Genera 0 to 3. Journal of Chemical Information and Modeling, 2005, 45, 1719-1726.	5.4	6
6850	Synthesis and Optical Properties of Gallium Phosphide Nanotubes. Journal of Physical Chemistry B, 2005, 109, 19719-19722.	2.6	59
6851	Synthesis of Microtubes with a Surface of â€House of Cardsâ€ Structure via Needlelike Particles and Control of Their Pore Size. Langmuir, 2005, 21, 3659-3663.	3.5	75

#	ARTICLE	IF	CITATIONS
6852	Buckling characteristics of embedded multi-walled carbon nanotubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2005, 461, 3785-3805.	2.1	24
6853	Curved Pi-Conjugation, Aromaticity, and the Related Chemistry of Small Fullerenes (<C60) and Single-Walled Carbon Nanotubes. Chemical Reviews, 2005, 105, 3643-3696.	47.7	517
6854	Deposition Precipitation for the Preparation of Carbon Nanofiber Supported Nickel Catalysts. Journal of the American Chemical Society, 2005, 127, 13573-13582.	13.7	196
6855	Electronic structure calculations of metal-nanotube contacts with or without oxygen adsorption. Physical Review B, 2005, 72, .	3.2	39
6856	Synthesis, Characterization, and Electrochemical Application of Ca(OH) ₂ , Co(OH) ₂ , and Y(OH) ₃ -Coated Ni(OH) ₂ Tubes. Journal of Physical Chemistry B, 2005, 109, 14025-14032.	2.6	75
6857	Self-assembly of aligned ZnO nanoscrews: Growth, configuration, and field emission. Applied Physics Letters, 2005, 86, 083106.	3.3	63
6858	Strategies for dispersing carbon nanotubes in highly viscous polymers. Journal of Materials Chemistry, 2005, 15, 2349.	6.7	115
6859	Large Optical Activity of Gold Nanocluster Enantiomers Induced by a Pair of Optically Active Penicillamines. Journal of the American Chemical Society, 2005, 127, 15536-15543.	13.7	243
6860	Adhesion energy in carbon nanotube-polyethylene composite: Effect of chirality. Journal of Applied Physics, 2005, 97, 074306.	2.5	52
6861	Supramolecular Nanotube Architectures Based on Amphiphilic Molecules. Chemical Reviews, 2005, 105, 1401-1444.	47.7	1,398
6862	Effect of flexibility on hydrophobic behavior of nanotube water channels. Journal of Chemical Physics, 2005, 123, 194502.	3.0	71
6863	Olivary Particles: A Unique Carbon Microstructure Synthesized by Catalytic Pyrolysis of Acetone. Journal of Physical Chemistry B, 2005, 109, 15272-15277.	2.6	26
6864	Coating carbon nanotubes with inorganic materials by pulsed laser deposition. Journal of Applied Physics, 2005, 98, 114305.	2.5	34
6865	Controllable Fabrication of Carbon Nanotube and Nanobelt with a Polyoxometalate-Assisted Mild Hydrothermal Process. Journal of the American Chemical Society, 2005, 127, 6534-6535.	13.7	160
6866	Do Composite Single-Walled Nanotubes Have Enhanced Capability for Lithium Storage?. Chemistry of Materials, 2005, 17, 992-1000.	6.7	117
6867	Structural, optical, and electronic properties of vanadium oxide nanotubes. Physical Review B, 2005, 72, .	3.2	34
6868	Selective growth of ZnO nanostructures with coordination polymers. Nanotechnology, 2005, 16, 2303-2308.	2.6	38
6869	Release of N ₂ from the Carbon Nanotubes via High-Temperature Annealing. Journal of Physical Chemistry B, 2005, 109, 1683-1688.	2.6	95

#	ARTICLE	IF	CITATIONS
6870	Alignment of Carbon Nanotubes under Low Magnetic Fields through Attachment of Magnetic Nanoparticles. Journal of Physical Chemistry B, 2005, 109, 19060-19063.	2.6	315
6871	Thrombogenicity and Blood Coagulation of a Microcatheter Prepared from Carbon Nanotube~Nylon-Based Composite. Nano Letters, 2005, 5, 101-105.	9.1	61
6872	One-Step Preparation of Single-Crystalline γ -MnO ₂ Nanotubes. Journal of Physical Chemistry B, 2005, 109, 16439-16443.	2.6	206
6873	DNA-Directed Self-Assembling of Carbon Nanotubes. Journal of the American Chemical Society, 2005, 127, 14-15.	13.7	202
6874	Dielectric properties of WS ₂ -coated multiwalled carbon nanotubes studied by energy-loss spectroscopic profiling. Applied Physics Letters, 2005, 86, 063112.	3.3	6
6875	Carbon Nanotubes Loaded with Magnetic Particles. Nano Letters, 2005, 5, 879-884.	9.1	393
6876	Wave propagation in carbon nanotubes via nonlocal continuum mechanics. Journal of Applied Physics, 2005, 98, 124301.	2.5	563
6877	Low temperature solvothermal synthesis of multiwall carbon nanotubes. Nanotechnology, 2005, 16, 21-23.	2.6	33
6878	Controllable Template Synthesis of Ni/Cu Nanocable and Ni Nanotube Arrays:~ A One-Step Coelectrodeposition and Electrochemical Etching Method. Journal of Physical Chemistry B, 2005, 109, 23326-23329.	2.6	66
6879	Thermal stability of single and multi-walled carbon nanotubes. Physical Review B, 2005, 71, .	3.2	130
6880	Structure and Properties of ZnS Nanoclusters. Journal of Physical Chemistry B, 2005, 109, 2703-2709.	2.6	102
6881	Effect of carbon nanotubes on phase transitions of nematic liquid crystals. Liquid Crystals, 2005, 32, 815-821.	2.2	135
6882	Theoretical study of the adsorption of H ₂ on (3,3) carbon nanotubes. Physical Review B, 2005, 72, .	3.2	40
6883	Helical Superstructures of Fullerene Peapods and Empty Single-Walled Carbon Nanotubes Formed in Water. Journal of Physical Chemistry B, 2005, 109, 13076-13082.	2.6	50
6884	Selective Formation of Metal Nanoparticles on the Sidewalls of Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 13, 377-383.	2.1	3
6885	Light emitting diodes of fully conjugated heterocyclic aromatic rigid-rod polymer doped with multi-wall carbon nanotubes. Nanotechnology, 2005, 16, 1406-1410.	2.6	31
6886	Growth of Well-Aligned Carbon Nanotube Structures in Successive Layers. Journal of Physical Chemistry B, 2005, 109, 12353-12357.	2.6	21
6887	Fe ₃ O ₄ Nanocrystals with Novel Fractal. Journal of Physical Chemistry B, 2005, 109, 18356-18360.	2.6	104

#	ARTICLE	IF	CITATIONS
6888	Carbon Nanotube-Adsorbed Polystyrene and Poly(methyl methacrylate) Microspheres. <i>Chemistry of Materials</i> , 2005, 17, 4034-4037.	6.7	146
6889	Thermal Conversion of Bundled Carbon Nanotubes into Graphitic Ribbons. <i>Nano Letters</i> , 2005, 5, 2195-2201.	9.1	58
6890	Preparation, characterization and application of magnetic silica nanoparticle functionalized multi-walled carbon nanotubes. <i>Chemical Communications</i> , 2005, , 5548.	4.1	104
6891	Vacancy-Induced Chemisorption of NO ₂ on Carbon Nanotubes: A Combined Theoretical and Experimental Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 13175-13179.	2.6	44
6892	Geometrical structures and electronic properties of AlN fullerenes: A comparative theoretical study of AlN fullerenes with BN and C fullerenes. <i>Journal of Materials Chemistry</i> , 2005, 15, 3034.	6.7	22
6893	A novel method for the fabrication of high-aspect ratio C-MEMS structures. <i>Journal of Microelectromechanical Systems</i> , 2005, 14, 348-358.	2.5	202
6894	Molecular Beam-Controlled Nucleation and Growth of Vertically Aligned Single-Wall Carbon Nanotube Arrays. <i>Journal of Physical Chemistry B</i> , 2005, 109, 16684-16694.	2.6	137
6895	Controlled Syntheses of Aligned Multi-Walled Carbon Nanotubes: Catalyst Particle Size and Density Control via Layer-by-Layer Assembling. <i>Chemistry of Materials</i> , 2005, 17, 6599-6604.	6.7	20
6896	Fabrication of CNTs on Ni-cap electron emitters by using prenucleation technique. <i>Diamond and Related Materials</i> , 2005, 14, 758-762.	3.9	2
6897	Carbon nanotube formation on Ni- or Pd-loaded diamond catalysts. <i>Diamond and Related Materials</i> , 2005, 14, 820-824.	3.9	8
6898	Process and characteristics of the large area well-aligned CNTs with open ends by electron cyclotron resonance chemical vapor deposition. <i>Diamond and Related Materials</i> , 2005, 14, 753-757.	3.9	6
6899	Set of carbon nanotube junctions. <i>Diamond and Related Materials</i> , 2005, 14, 763-765.	3.9	13
6900	Carbon Nanotube Schottky Diodes Using Ti~Schottky and Pt~Ohmic Contacts for High Frequency Applications. <i>Nano Letters</i> , 2005, 5, 1469-1474.	9.1	187
6901	Nanocomposites from biobased epoxy and single-wall carbon nanotubes: synthesis, and mechanical and thermophysical properties evaluation. <i>Nanotechnology</i> , 2005, 16, 118-124.	2.6	58
6902	Low Temperature Synthesis of Extremely Dense and Vertically Aligned Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 1558-1561.	1.5	130
6903	Polyurea-Functionalized Multiwalled Carbon Nanotubes: Synthesis, Morphology, and Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11925-11932.	2.6	227
6904	Synthesis and characterization of Nafion~115 nanowire arrays. <i>Nanotechnology</i> , 2005, 16, 2242-2244.	2.6	22
6905	Structures and energetics of hydrogen-terminated silicon nanowire surfaces. <i>Journal of Chemical Physics</i> , 2005, 123, 144703.	3.0	109

#	ARTICLE	IF	CITATIONS
6906	Nanoscale Mechanical Characterization of Carbon Nanotubes. , 2005, , 197-226.		0
6907	Ground-state electronic structure of nanoscale carbon cones. Physical Review B, 2005, 72, .	3.2	14
6908	Molecular dynamics study of a low energy carbon ion moving in a single-wall carbon nanotube. Nanotechnology, 2005, 16, 2681-2684.	2.6	15
6909	Synthesis and characterization of phase controllable ZrO ₂ -carbon nanotube nanocomposites. Nanotechnology, 2005, 16, 625-630.	2.6	93
6910	New Perspectives on the Structure of Graphitic Carbons. Critical Reviews in Solid State and Materials Sciences, 2005, 30, 235-253.	12.3	336
6911	Stability analysis of carbon nanotubes via continuum models. Smart Materials and Structures, 2005, 14, 281-286.	3.5	56
6912	Incorporation of Single-Wall Carbon Nanotubes into an Organic Polymer Monolithic Stationary Phase for μ -HPLC and Capillary Electrochromatography. Analytical Chemistry, 2005, 77, 1398-1406.	6.5	199
6913	Immobilization of Proteins on Boron Nitride Nanotubes. Journal of the American Chemical Society, 2005, 127, 17144-17145.	13.7	185
6914	First-principles study of the effects of Si doping on geometric and electronic structure of closed carbon nanotube. Science Bulletin, 2005, 50, 1823.	1.7	11
6915	Oscillatory behavior of C ₆₀ -nanotube oscillators: A molecular-dynamics study. Journal of Applied Physics, 2005, 97, 094313.	2.5	96
6916	Enzyme nanoparticles-based electronic biosensor. Chemical Communications, 2005, , 3481.	4.1	69
6917	Positron annihilation lifetime and coincidence-gated Doppler broadening studies of FeS ₂ nanostructures. Journal of Applied Physics, 2005, 97, 014301.	2.5	10
6918	Fabrication of a nanoelectromechanical switch using a suspended carbon nanotube. Applied Physics Letters, 2005, 86, 083105.	3.3	90
6919	Co-doped titanate nanotubes. Applied Physics Letters, 2005, 87, 112501.	3.3	59
6920	Room-temperature ferromagnetism in La ₂ Sr ₃ MnO ₃ nanoparticle assembled nanotubes. Applied Physics Letters, 2005, 87, 043113.	3.3	61
6921	X-ray absorption and photoelectron spectroscopy studies on graphite and single-walled carbon nanotubes: Oxygen effect. Applied Physics Letters, 2005, 87, 051923.	3.3	53
6922	Single-Molecule Torsional Pendulum. Science, 2005, 309, 1539-1541.	12.6	134
6923	Synthesis, Morphology, and Magnetic Characterization of Iron Oxide Nanowires and Nanotubes. Journal of Physical Chemistry B, 2005, 109, 7103-7109.	2.6	125

#	ARTICLE	IF	CITATIONS
6924	EQUIVALENT CONTINUUM MODELING OF GRAPHENE SHEETS. International Journal of Nanoscience, 2005, 04, 631-636.	0.7	51
6925	Distribution patterns and controllable transport of water inside and outside charged single-walled carbon nanotubes. Journal of Chemical Physics, 2005, 122, 084708.	3.0	46
6926	Ion Beam Analyses of Carbon Nanotubes. Journal of Physical Chemistry B, 2005, 109, 1415-1419.	2.6	16
6927	Frequency dependence of the structure and electrical behaviour of carbon nanotube networks assembled by dielectrophoresis. Nanotechnology, 2005, 16, 759-763.	2.6	47
6928	Comparing Damping Properties of Singlewalled and Multiwalled Carbon Nanotube Polymer Composites. , 2005, , .		2
6929	Characterizing Self-Heating in Multiwalled Carbon Nanotube Coated Piezoceramic Sheet Actuators. , 2005, , .		0
6930	Carbon Nanohorns as Anticancer Drug Carriers. Molecular Pharmaceutics, 2005, 2, 475-480.	4.6	369
6932	Calculation of the electrostatic forces that act on carbon nanotubes placed in the vicinity of metallic protrusions. Nanotechnology, 2005, 16, 2685-2695.	2.6	20
6933	Bioelectrochemically Functional Nanohybrids through Co-Assembling of Proteins and Surfactants onto Carbon Nanotubes:â€‰ Facilitated Electron Transfer of Assembled Proteins with Enhanced Faradic Response. Langmuir, 2005, 21, 6560-6566.	3.5	115
6934	Molecular Beam Epitaxy of Semiconductor Nanostructures Based on SiC. Materials Science Forum, 2005, 483-485, 163-168.	0.3	2
6935	Length control and sharpening of atomic force microscope carbon nanotube tips assisted by an electron beam. Nanotechnology, 2005, 16, 2493-2496.	2.6	86
6936	Electroless Plating of Nickel on Carbon Nanotubes Film. , 0, , .		4
6937	Microwave digestion and acidic treatment procedures for the purification of multi-walled carbon nanotubes. Diamond and Related Materials, 2005, 14, 798-803.	3.9	40
6938	Micro- and Mesoporous Carbon Forms, Chrysotile, and Clathrates. Reviews in Mineralogy and Geochemistry, 2005, 57, 435-448.	4.8	3
6939	Generation of Onions and Nanotubes of GaS and GaSe through Laser and Thermally Induced Exfoliation. Journal of the American Chemical Society, 2005, 127, 3658-3659.	13.7	103
6940	Nonâ€‰linear Dynamics in Carbon Nanotubes and Solitons. Fullerenes Nanotubes and Carbon Nanostructures, 2005, 12, 133-138.	2.1	4
6941	Multichannel Ballistic Transport in Multiwall Carbon Nanotubes. Physical Review Letters, 2005, 95, 086601.	7.8	423
6942	Theoretical Study of Addition Reactions of Heavy Carbenes to Carbon and Boron Nitride Nanotubes. Journal of Physical Chemistry B, 2005, 109, 21647-21657.	2.6	27

#	ARTICLE	IF	CITATIONS
6943	Evidence of Sequential Lift in Growth of Aligned Multiwalled Carbon Nanotube Multilayers. Nano Letters, 2005, 5, 2394-2398.	9.1	155
6944	Metal-insulator transition in doped single-wall carbon nanotubes. Physical Review B, 2005, 71, .	3.2	88
6945	Strain energy and electronic structures of silicon carbide nanotubes: Density functional calculations. Physical Review B, 2005, 71, .	3.2	239
6946	Direct growth of core-shell SiC-SiO ₂ nanowires and field emission characteristics. Nanotechnology, 2005, 16, S370-S374.	2.6	137
6947	Integration of a gate electrode into carbon nanotube devices for scanning tunneling microscopy. Applied Physics Letters, 2005, 86, 112106.	3.3	13
6948	Self-Assembled Silicon Nanotubes under Supercritically Hydrothermal Conditions. Physical Review Letters, 2005, 95, 116102.	7.8	121
6949	Atomistic dynamics of deformation, fracture, and joining of individual single-walled carbon nanotubes. Physical Review B, 2005, 72, .	3.2	44
6950	Electronic excitation spectrum of metallic carbon nanotubes. Physical Review B, 2005, 71, .	3.2	88
6951	Manipulation of carbon nanotubes using AC dielectrophoresis. Applied Physics Letters, 2005, 86, 153116.	3.3	127
6952	Fabrication of Aligned TiO ₂ One-Dimensional Nanostructured Arrays Using a One-Step Templating Solution Approach. Journal of Physical Chemistry B, 2005, 109, 13056-13059.	2.6	184
6953	Gas-Phase Ion-Molecule Reactions of Metal Carbide Cations MC _n ⁺ (M=Y and La; n=2, 4, and 6) with Benzene and Cyclohexane Investigated by FTICR Mass Spectrometry and DFT Calculations. Journal of Physical Chemistry A, 2005, 109, 157-164.	2.5	17
6954	Flexural wave propagation in single-walled carbon nanotubes. Physical Review B, 2005, 71, .	3.2	453
6955	Size Control of Metal Nanoparticle Catalysts for the Gas-Phase Synthesis of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2005, 109, 10647-10652.	2.6	88
6956	Thermal properties of multi-walled carbon nanotube-reinforced polypropylene composites. , 0, , .		0
6957	Liquid crystal-carbon nanotube dispersions. Journal of Applied Physics, 2005, 97, 044309.	2.5	370
6958	Carbon string structures: First-principles calculations of quantum conductance. Physical Review B, 2005, 71, .	3.2	17
6959	Redox-Induced Synthesis and Encapsulation of Metal Nanoparticles in Shell-Cross-Linked Organometallic Nanotubes. Journal of the American Chemical Society, 2005, 127, 8924-8925.	13.7	120
6960	Silicon and III-V compound nanotubes: Structural and electronic properties. Physical Review B, 2005, 72, .	3.2	250

#	ARTICLE	IF	CITATIONS
6961	First-Principles Studies of SnS ₂ Nanotubes: A Potential Semiconductor Nanowire. Journal of Physical Chemistry B, 2005, 109, 30-32.	2.6	59
6962	An ultrathin carbon nanoribbon study as a component of nanoelectromechanical devices. Molecular Simulation, 2005, 31, 561-565.	2.0	3
6963	Registry-dependent interlayer potential for graphitic systems. Physical Review B, 2005, 71, .	3.2	413
6965	Interaction of Water with Single-Walled Carbon Nanotubes: A Reaction and Adsorption. Journal of Physical Chemistry B, 2005, 109, 10640-10646.	2.6	56
6966	Accurate determination of atomic structure of multiwalled carbon nanotubes by nondestructive nanobeam electron diffraction. Applied Physics Letters, 2005, 86, 191903.	3.3	38
6967	In-flight size classification of carbon nanotubes by gas phase electrophoresis. Nanotechnology, 2005, 16, 2149-2152.	2.6	41
6968	Hierarchical supramolecular fullerene architectures with controlled dimensionality. Chemical Communications, 2005, , 5982.	4.1	156
6969	Electronic structure calculations of potassium-intercalated single-walled carbon nanotubes. Physical Review B, 2005, 72, .	3.2	11
6970	Peptide Nanotube-Modified Electrodes for Enzyme Biosensor Applications. Analytical Chemistry, 2005, 77, 5155-5159.	6.5	252
6971	A Facile Sulfur Vapor Assisted Reaction Method To Grow Boron Nitride Nanorings at Relative Low Temperature. Journal of Physical Chemistry B, 2005, 109, 19188-19190.	2.6	12
6972	Density-functional theory calculations of XH ₃ -decorated SiC nanotubes (X={C,Si}): Structures, energetics, and electronic structures. Journal of Applied Physics, 2005, 97, 104311.	2.5	35
6973	Pull-In Phenomenon Investigation of Nanoelectromechanical Systems. Journal of Physics: Conference Series, 2006, 34, 1123-1126.	0.4	4
6974	Polyoxometalate-Modified Carbon Nanotubes: A New Catalyst Support for Methanol Electro-oxidation. Langmuir, 2006, 22, 5872-5876.	3.5	145
6975	Real-Time Observation of Tubule Formation from Amorphous Carbon Nanowires under High-Bias Joule Heating. Nano Letters, 2006, 6, 1699-1705.	9.1	112
6976	Adsorption of hydrogen molecules on the platinum-doped boron nitride nanotubes. Journal of Chemical Physics, 2006, 125, 044704.	3.0	111
6977	Overview "What is Supramolecular Chemistry?..", 2006, , 1-6.		0
6978	APPLICATIONS OF ELECTROPHORETIC DEPOSITION IN THE COATING AND POROUS MATERIALS FABRICATIONS. Surface Review and Letters, 2006, 13, 103-109.	1.1	3
6979	Noise in Silicon Nanowires. IEEE Nanotechnology Magazine, 2006, 5, 523-529.	2.0	45

#	ARTICLE	IF	CITATIONS
6980	Preparation of silicon carbide nanotubes by hydrothermal method. Journal of Applied Physics, 2006, 99, 114306.	2.5	102
6981	Graphitic Encapsulation of Catalyst Particles in Carbon Nanotube Production. Journal of Physical Chemistry B, 2006, 110, 7666-7670.	2.6	84
6982	Aromatic Molecular-Bowl Hydrocarbons:Â Synthetic Derivatives, Their Structures, and Physical Properties. Chemical Reviews, 2006, 106, 4843-4867.	47.7	754
6983	Growth and Characterization of Carbon Nanotubes on Porous Silicon. , 0, , .		0
6984	Environmentally Friendly Growth of Calcium Chlorapatite Whiskers from a Sodium Chloride Flux. Crystal Growth and Design, 2006, 6, 2538-2542.	3.0	20
6985	Functional Properties of Nanostructured Materials. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , .	0.1	17
6986	Controlled VaporâLiquidâSolid Growth of Indium, Gallium, and Tin Oxide Nanowires via Chemical Vapor Transport. Crystal Growth and Design, 2006, 6, 1936-1941.	3.0	49
6988	Separation and Preconcentration of Silver Ion using Multiwalled Carbon Nanotubes as Solid Phase Extraction Sorbent. Separation Science and Technology, 2006, 41, 2723-2732.	2.5	42
6989	⁵⁷ Fe MÃssbauer Spectroscopy on Multiwalled Carbon Nanotubes with Metal Filling. Journal of Physical Chemistry B, 2006, 110, 9768-9771.	2.6	16
6990	Chemical Reaction of Nitric Oxides with the 5-1DB Defect of the Single-Walled Carbon Nanotube. Journal of Physical Chemistry B, 2006, 110, 1999-2005.	2.6	27
6991	Chirality correlation in double-wall carbon nanotubes as studied by electron diffraction. Physical Review B, 2006, 73, .	3.2	85
6992	Electron diffraction from carbon nanotubes. Reports on Progress in Physics, 2006, 69, 2761-2821.	20.1	69
6993	Large scale synthesis of uniform CuS nanotubes in ethylene glycol by a sacrificial templating method under mild conditions. Journal of Materials Chemistry, 2006, 16, 3326.	6.7	178
6994	One-step method for the self-assembly of metal nanoparticles onto faceted hollow silica tubes. Journal of Materials Chemistry, 2006, 16, 3619.	6.7	34
6995	Metastable Î³-MnS Hierarchical Architectures:Â Synthesis, Characterization, and Growth Mechanism. Journal of Physical Chemistry B, 2006, 110, 8284-8288.	2.6	130
6996	Multiwalled Carbon Nanotube Supported PtRu for the Anode of Direct Methanol Fuel Cells. Journal of Physical Chemistry B, 2006, 110, 5245-5252.	2.6	275
6997	Modification of multi-wall carbon nanotube surfaces with poly(amidoamine) dendrons: Synthesis and metal templating. Chemical Communications, 2006, , 4949.	4.1	54
6998	Nanotechnology and Nanotoxicology. Toxicological Reviews, 2006, 25, 245-260.	2.5	95

#	ARTICLE	IF	CITATIONS
6999	Functionalization of Single-Wall Carbon Nanotubes by Tandem High-Pressure/Cr(CO) ₆ Activation of Diels-Alder Cycloaddition. Journal of the American Chemical Society, 2006, 128, 14764-14765.	13.7	86
7000	Measurement of Wetting Properties of Individual Boron Nitride Nanotubes with the Wilhelmy Method Using a Nanotube-Based Force Sensor. Nano Letters, 2006, 6, 329-333.	9.1	85
7001	Raman Scattering in Carbon Nanotubes. , 2006, , 115-234.		68
7002	The advantage of using carbon nanotubes compared with edge plane pyrolytic graphite as an electrode material for oxidase-based biosensors. Analyst, The, 2006, 131, 1292.	3.5	29
7003	Are carbon nanotubes the future of VLSI interconnections?. , 2006, , .		81
7004	Resonant cavities in metallic single-wall nanotubes: Green's function calculations. Physical Review B, 2006, 73, .	3.2	23
7005	Poly(L-lactide) (PLLA)/Multiwalled Carbon Nanotube (MWCNT) Composite: Characterization and Biocompatibility Evaluation. Journal of Physical Chemistry B, 2006, 110, 12910-12915.	2.6	220
7006	The quantitative characterization of the concentration and dispersion of multi-walled carbon nanotubes in suspension by spectrophotometry. Nanotechnology, 2006, 17, 3692-3698.	2.6	94
7007	Ultrafast Gas Chromatography on Single-Wall Carbon Nanotube Stationary Phases in Microfabricated Channels. Analytical Chemistry, 2006, 78, 5639-5644.	6.5	137
7008	Structural stability and electronic properties of carbon-boron nitride compounds. Europhysics Letters, 2006, 75, 126-132.	2.0	83
7009	Optical emission spectroscopy study for optimization of carbon nanotubes growth by a triode plasma chemical vapor deposition. Applied Physics Letters, 2006, 88, 033114.	3.3	29
7010	Energetic and magnetic properties of transition-metal nanowire encapsulated BxCyNz composite nanotubes. Applied Physics Letters, 2006, 88, 193117.	3.3	17
7011	Diamagnetic Response of Metallic Photonic Crystals at Infrared and Visible Frequencies. Physical Review Letters, 2006, 96, 223901.	7.8	63
7012	Equilibrium configuration and continuum elastic properties of finite sized graphene. Nanotechnology, 2006, 17, 864-870.	2.6	326
7014	Properties of Nanostructured One-Dimensional and Composite Thermoelectric Materials. MRS Bulletin, 2006, 31, 218-223.	3.5	85
7015	Gold clusters on oxygen plasma functionalized carbon nanotubes: XPS and TEM studies. Nanotechnology, 2006, 17, 1954-1959.	2.6	94
7016	Unusually High Thermal Conductivity in Carbon Nanotubes. , 2006, , 227-265.		27
7017	Effect of substrate bias on growth and properties of carbon nanotubes deposited under no hydrogen introduction by MPCVD. Diamond and Related Materials, 2006, 15, 1053-1058.	3.9	2

#	ARTICLE	IF	CITATIONS
7018	Structural investigation of heat-treated fullerene nanotubes and nanowhiskers. <i>Diamond and Related Materials</i> , 2006, 15, 1143-1146.	3.9	27
7019	Buckling of double-walled carbon nanotubes modeled by solid shell elements. <i>Journal of Applied Physics</i> , 2006, 99, 114317.	2.5	36
7020	Carbon Nanofiber-Based Glucose Biosensor. <i>Analytical Chemistry</i> , 2006, 78, 5538-5542.	6.5	290
7021	Glycine Interaction with Carbon Nanotubes: An ab Initio Study. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6048-6050.	2.6	38
7022	Effect of multi-walled carbon nanotubes as reinforced fibres on tribological behaviour of Ni–P electroless coatings. <i>Diamond and Related Materials</i> , 2006, 15, 151-156.	3.9	35
7023	Synthesis and purification of single-walled carbon nanotubes by methane decomposition over iron-supported catalysts. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006, 24, 1314-1317.	2.1	2
7024	The effect of the field emission on CNTs for N ₂ detection. <i>Diamond and Related Materials</i> , 2006, 15, 2015-2018.	3.9	1
7025	Hygrothermal Effects on Interfacial Stress Transfer Characteristics of Carbon Nanotubes-reinforced Composites System. <i>Journal of Reinforced Plastics and Composites</i> , 2006, 25, 71-88.	3.1	36
7026	Effect of catalyst oxidation on the growth of carbon nanotubes by thermal chemical vapor deposition. <i>Journal of Applied Physics</i> , 2006, 100, 104321.	2.5	44
7027	Charge and spin transport in carbon nanotubes. <i>Semiconductor Science and Technology</i> , 2006, 21, S1-S9.	2.0	25
7028	Structural studies of carbon nanotubes obtained by template deposition using high-energy X-ray scattering. <i>Diamond and Related Materials</i> , 2006, 15, 1036-1040.	3.9	6
7029	High-yield synthesis of selenium nanowires in water at room temperature. <i>Chemical Communications</i> , 2006, , 1006.	4.1	74
7030	Improvement of Fe/MgO Catalysts by Calcination for the Growth of Single- and Double-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1201-1205.	2.6	54
7031	Synthesis of High-Purity Few-Walled Carbon Nanotubes from Ethanol/Methanol Mixture. <i>Chemistry of Materials</i> , 2006, 18, 5691-5695.	6.7	62
7032	Field Emission from Vertically Aligned Silicon Nanowires. , 2006, , .		0
7033	The influence of hydrothermal-reaction parameters on the formation of chrysotile nanotubes. <i>Nanotechnology</i> , 2006, 17, 25-29.	2.6	54
7034	Determination of the Concentration of Single-Walled Carbon Nanotubes in Aqueous Dispersions Using UV-Visible Absorption Spectroscopy. <i>Analytical Chemistry</i> , 2006, 78, 8098-8104.	6.5	198
7035	Electronic band structure, electron-phonon interaction, and superconductivity of (5,5), (10,10), and (5,0) carbon nanotubes. <i>Physical Review B</i> , 2006, 73, .	3.2	24

#	ARTICLE	IF	CITATIONS
7036	Effects of Gas Adsorption on the Electrical Conductivity of Single-Wall Carbon Nanohorns. Nano Letters, 2006, 6, 1325-1328.	9.1	89
7037	Synthesis of Fe-included onion-like Fullerenes by chemical vapor deposition. Diamond and Related Materials, 2006, 15, 147-150.	3.9	30
7038	Tensile and Compressive Behavior of Carbon Nanotubes: Effect of Functionalization and Topological Defects. Mechanics of Advanced Materials and Structures, 2006, 13, 115-127.	2.6	17
7039	ARC DISCHARGE AND LASER ABLATION SYNTHESIS OF SINGLEWALLED CARBON NANOTUBES. , 2006, , 1-18.		19
7040	Photoluminescence polarization in individualCdSenanowires. Physical Review B, 2006, 74, .	3.2	54
7042	A Versatile Wet-Chemical Method for Synthesis of One-Dimensional Ferric and Other Transition Metal Oxides. Chemistry of Materials, 2006, 18, 6031-6036.	6.7	36
7043	Dispersion and Rheological Aspects of SWNTs in Ultrahigh Molecular Weight Polyethylene. Macromolecules, 2006, 39, 658-666.	4.8	208
7044	Shape-Controlled Synthesis of ZrO ₂ , Al ₂ O ₃ , and SiO ₂ Nanotubes Using Carbon Nanofibers as Templates. Chemistry of Materials, 2006, 18, 4981-4983.	6.7	108
7045	Low Temperature Catalytic Pyrolysis for the Synthesis of High Surface Area, Nanostructured Graphitic Carbon. Chemistry of Materials, 2006, 18, 2086-2094.	6.7	168
7046	Design of Sb ₂ S ₃ nanorod-bundles: imperfect oriented attachment. Nanotechnology, 2006, 17, 2098-2104.	2.6	78
7047	Freestanding carbon nanowalls by microwave plasma-enhanced chemical vapour deposition. Diamond and Related Materials, 2006, 15, 1103-1106.	3.9	91
7048	Alloy hydride catalyst route for the synthesis of single-walled carbon nanotubes, multi-walled carbon nanotubes and magnetic metal-filled multi-walled carbon nanotubes. Nanotechnology, 2006, 17, 5299-5305.	2.6	57
7049	Enhancement of the field emission properties of low-temperature-growth multi-wall carbon nanotubes by KrF excimer laser irradiation post-treatment. Diamond and Related Materials, 2006, 15, 2010-2014.	3.9	18
7050	Chapter 1 Types of carbon adsorbents and their production. Interface Science and Technology, 2006, 7, 1-47.	3.3	74
7051	Synthesis Methods and Growth Mechanisms. Lecture Notes in Physics, 2006, , 49-130.	0.7	34
7052	Field emission properties from aligned carbon nanotube films with tetrahedral amorphous carbon coatings. Diamond and Related Materials, 2006, 15, 1462-1466.	3.9	9
7053	AC conductance of finite-length carbon nanotubes. Journal of Physics Condensed Matter, 2006, 18, 8707-8713.	1.8	6
7054	A Novel Carbon Nanotube Structure Formed in Ultra-Long Nanochannels of Anodic Aluminum Oxide Templates. Journal of Physical Chemistry B, 2006, 110, 2080-2083.	2.6	27

#	ARTICLE	IF	CITATIONS
7055	In Situ Fabrication of A Water-Soluble, Self-Doped Polyaniline Nanocomposite:Â The Unique Role of DNA Functionalized Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2006, 128, 12064-12065.	13.7	65
7056	A nanocapacitor with giant dielectric permittivity. Nanotechnology, 2006, 17, 2284-2288.	2.6	12
7057	Structural and electronic properties of single-walled AlN nanotubes of different chiralities and sizes. Journal of Physics Condensed Matter, 2006, 18, S2045-S2054.	1.8	37
7058	Life-Cycle Effects of Single-Walled Carbon Nanotubes (SWNTs) on an Estuarine Meiobenthic Copepod. Environmental Science & Technology, 2006, 40, 7387-7393.	10.0	209
7059	Templated Assembly of Gold Nanoparticles into Microscale Tubules and Their Application in Surface-Enhanced Raman Scattering. Journal of Physical Chemistry B, 2006, 110, 14179-14185.	2.6	33
7060	Synthesis and Electrical Transport of Single-Crystal NH ₄ V ₃ O ₈ Nanobelts. Journal of Physical Chemistry B, 2006, 110, 18138-18141.	2.6	86
7061	Fullerene Thin Films as Photovoltaic Material. , 2006, , 361-443.		13
7062	C60 and carbon nanotube sensors. , 2006, , 525-575.		3
7063	Miniature Arcs for Synthesis of Carbon Nanotubes in Microgravity. , 2006, , .		0
7064	Study of Stress-strain Behavior of Carbon-nanotube Reinforced Epon 862 Composites Using Molecular Dynamics. , 2006, , .		0
7065	Boiling Experiments on Vertically Aligned Carbon Nanotubes and Using Surface Micromachined Thin Film Thermocouples (TFT). , 2006, , .		4
7066	Development of CNT Based Sensor Array on a MUMPs Chip. , 2006, , .		0
7067	pH Sensor Using Carbon Nanotubes as Sensing Material. , 2006, , .		3
7068	A Field Effect Transistor Fabricated with Metallic Singleâ€Walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 141-149.	2.1	2
7069	New Nanocomposite Based on Prussian Blue Nanoparticles/Carbon Nanotubes/Chitosan and Its Application for Assembling of Amperometric Glucose Biosensor. Analytical Letters, 2006, 39, 913-926.	1.8	28
7070	Synthesis of Eu-doped photoluminescent titania nanotubes via a two-step hydrothermal treatment. Nanotechnology, 2006, 17, 2234-2241.	2.6	20
7071	Local Growth of Carbon Nanotubes with a Simple Mask CVD Method on 3-D substrates. , 2006, , .		0
7072	Novel Method of Converting Metallic-Type Carbon Nanotubes to Semiconducting-Type Carbon Nanotube Field-Effect Transistors. Japanese Journal of Applied Physics, 2006, 45, 3680-3685.	1.5	15

#	ARTICLE	IF	CITATIONS
7073	Synthesis, characterization and field-emission properties of bamboo-like SiC nanowires. Nanotechnology, 2006, 17, 3468-3472.	2.6	146
7074	Pyrolytic Synthesis of Carbon Nanotubes from Sucrose on a Mesoporous Silicate. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 585-594.	2.1	22
7075	The Microstructure, Mechanical and Dielectric Properties of CNTs/Mullite Ceramics Composites. Key Engineering Materials, 2006, 313, 145-150.	0.4	2
7076	Prospect of cobalt-mix-tetraethoxysilane method on localized lateral growth of carbon nanotubes for both p- and n-type field effect transistors. Journal of Vacuum Science & Technology B, 2006, 24, 2282.	1.3	0
7077	Metal-mediated coordination polymer nanotubes of 5,10,15,20-tetrapyrrolylporphine and tris(4-pyridyl)-1,3,5-triazine at the water-chloroform interface. Chemical Communications, 2006, , 3175-3177.	4.1	58
7078	Fabrication of discrete nanoscaled force sensors based on single-walled carbon nanotubes. IEEE Sensors Journal, 2006, 6, 613-617.	4.7	51
7079	Nanotips: Growth, Model, and Applications. Critical Reviews in Solid State and Materials Sciences, 2006, 31, 15-53.	12.3	75
7080	Structural investigation of germanium-cobalt core shell nanocable arrays. Journal of Materials Chemistry, 2006, 16, 3861-3866.	6.7	8
7081	Effect of Oxygen Absorption on Contact Resistance between Metal and Carbon Nano Tubes (CNTs). International Power Modulator Symposium and High-Voltage Workshop, 2006, , .	0.0	1
7083	Plasma Fluorination of Highly Ordered Pyrolytic Graphite and Single Walled Carbon Nanotube Surfaces. , 2006, , .		3
7085	Elastic properties of nanowires. Journal of Applied Physics, 2006, 99, 094310.	2.5	15
7086	The Al_2O_3 nanowire grown on silicon chips by electrochemical reaction under AFM probe. , 2006, , .		0
7087	Emission property of carbon nanotube with defects. Applied Physics Letters, 2006, 89, 143111.	3.3	32
7088	Characteristics of aligned carbon nanofibers for interconnect via applications. IEEE Electron Device Letters, 2006, 27, 221-224.	3.9	44
7089	Carbon Nanotubes - Towards Artificial Nose Implementation. , 2006, , .		0
7090	Fabrication of n-type carbon nanotube field-effect transistors by Al doping. Applied Physics Letters, 2006, 88, 103503.	3.3	20
7091	Carbon nanotube network-based biomolecule detection. IEEE Sensors Journal, 2006, 6, 524-528.	4.7	43
7092	Organic Vaporsensors Based on Single-walled CNTs. , 2006, , .		1

#	ARTICLE	IF	CITATIONS
7093	Development and Characterization of Microcoolers using Carbon Nanotubes. , 2006, , .		17
7094	Improving the Mechanical Properties of Polycarbonate Nanocomposites with Plasmaâ€Modified Carbon Nanofibers. Journal of Macromolecular Science - Physics, 2006, 45, 671-679.	1.0	25
7095	Synthesis of Silicon Carbide Nanowires on Carbon Nanotube Template. , 2006, , .		0
7096	Elastic modulus of amorphous SiO2 nanowires. Applied Physics Letters, 2006, 88, 043108.	3.3	134
7097	Study of Activated Bamboo-Shaped Multiwall Carbon Nanotubes as Supercapacitor Electrodes. , 2006, , .		0
7098	Nature of substitutional impurity atom B/N in zigzag single-wall carbon nanotubes revealed by first principle calculations. , 0, , .		1
7099	A Statistical Analysis of Thermal Interface Materials Enhanced by Vertically Aligned Carbon Nanotubes. , 0, , .		1
7100	Biofunctionalization of Multi-walled Carbon Nanotubes (MWNTs) for the Fabrication of Protein Nano Biosensors. , 0, , .		1
7101	Development of an automated microspotting system for rapid dielectrophoretic fabrication of bundled carbon nanotube sensors. IEEE Transactions on Automation Science and Engineering, 2006, 3, 218-227.	5.2	15
7102	Quantized Bimolecular Auger Recombination of Excitons in Single-Walled Carbon Nanotubes. Physical Review Letters, 2006, 96, 057407.	7.8	113
7103	Influence of Magnetic Field on Carbon Nano-materials Produced in Liquid Arc. , 2006, , .		2
7104	Towards nanotube linear servomotors. IEEE Transactions on Automation Science and Engineering, 2006, 3, 228-235.	5.2	67
7105	From nanostructured thin films to photonic devices –development and commercialization. , 0, , .		0
7106	Fabrication of bismuth subcarbonate nanotube arrays from bismuth citrate. Chemical Communications, 2006, , 2265.	4.1	143
7107	Sea urchin shaped carbon nanostructured materials: carbon nanotubes immobilized on hollow carbon spheres. Journal of Materials Chemistry, 2006, 16, 2984.	6.7	46
7108	Flow structure of water in carbon nanotubes: Poiseuille type or plug-like?. Journal of Chemical Physics, 2006, 124, 144708.	3.0	95
7109	Friction between Carbon Nanotube and Graphite using Molecular Dynamics. , 0, , .		0
7110	Growth and Hydrogen Sensing Properties Of Carbon Nanotubes Using A MEMS Process. , 2006, , .		0

#	ARTICLE	IF	CITATIONS
7111	Water soluble multi-walled carbon nanotubes prepared via nitroxide-mediated radical polymerization. <i>Journal of Materials Chemistry</i> , 2006, 16, 4619.	6.7	48
7112	Supramolecular photochemical self-assemblies for fluorescence "on" and "off" assays for chem-bio-helices. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 931-937.	2.9	17
7113	Manufacture and use of nanomaterials: current status in the UK and global trends. <i>Occupational Medicine</i> , 2006, 56, 300-306.	1.4	535
7114	Carbon nanotubes: enhancing the polymer building blocks for intelligent materials. <i>Journal of Materials Chemistry</i> , 2006, 16, 3598.	6.7	64
7115	Electrochemically polymerised composites of multi-walled carbon nanotubes and poly(vinylferrocene) and their use as modified electrodes: Application to glucose sensing. <i>Analyst</i> , 2006, 131, 670-677.	3.5	67
7116	Sensitizing Effect of Oxazine on the Photoluminescence of Cyclodextrin-Modified Carbon Nanotubes. <i>Journal of Dispersion Science and Technology</i> , 2006, 27, 45-47.	2.4	3
7117	Synthesis of Tubular Titanate via a Self-Assembly and Self-Removal Process. <i>Inorganic Chemistry</i> , 2006, 45, 5684-5690.	4.0	21
7118	Electrical conductivity of a single electrospun fiber of poly(methyl methacrylate) and multiwalled carbon nanotube nanocomposite. <i>Applied Physics Letters</i> , 2006, 88, 143114.	3.3	114
7119	Charge Transfer through a Protein~Nano Junction. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9333-9338.	2.6	4
7120	Enhanced thermal contact conductance using carbon nanotube array interfaces. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2006, 29, 261-267.	1.3	83
7121	Controlled Synthesis of High-Quality PbS Star-Shaped Dendrites, Multipods, Truncated Nanocubes, and Nanocubes and Their Shape Evolution Process. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6543-6548.	2.6	170
7122	Dendrimer-assisted low-temperature growth of carbon nanotubes by plasma-enhanced chemical vapor deposition. <i>Chemical Communications</i> , 2006, , 2899.	4.1	30
7123	Cutting of multi-walled carbon nanotubes by solid-state reaction. <i>Journal of Materials Chemistry</i> , 2006, 16, 4231.	6.7	20
7124	Molecular tectonics: on the formation of tubular coordination networks. <i>New Journal of Chemistry</i> , 2006, 30, 1340.	2.8	16
7125	Quantum-size effects in capped and uncapped carbon nanotubes. <i>Annual Reports on the Progress of Chemistry Section C</i> , 2006, 102, 71.	4.4	16
7126	Silica coated PbS nanowires. <i>Journal of Materials Chemistry</i> , 2006, 16, 1113.	6.7	34
7127	Nanotechnology: The Next Big Thing, or Much Ado about Nothing?. <i>Annals of Occupational Hygiene</i> , 2006, 51, 1-12.	1.9	231
7128	(Non-carbon) anisotropic nanomaterials. <i>Journal of Materials Chemistry</i> , 2006, 16, 3891-3892.	6.7	14

#	ARTICLE	IF	CITATIONS
7129	Template-Growth of Highly Ordered Carbon Nanotube Arrays on Silicon. IEEE Nanotechnology Magazine, 2006, 5, 564-567.	2.0	10
7130	Carbon Nanotubes for Potential Device and Interconnect Applications. , 2006, , .		4
7131	Nature of Substitutional Impurity Atom B/N in Zigzag Single-Wall Carbon Nanotubes Revealed by First-Principle Calculations. IEEE Nanotechnology Magazine, 2006, 5, 595-598.	2.0	16
7132	Room-Temperature Growth and Applications of Carbon Nanofibers: A Review. IEEE Nanotechnology Magazine, 2006, 5, 587-594.	2.0	24
7133	Carbon Nano Tubes – Overview, Simulation of Single and Multilayer CNTs With it’s synthesis and energy storage applications. , 0, , .		2
7134	Are carbon nanotubes the future of VLSI interconnections?. Proceedings - Design Automation Conference, 2006, , .	0.0	19
7135	Massively Parallel Simulations on Light-Induced Charge Transfer in Molecules. , 2006, , .		0
7136	Liquid Phase Electrochemical Route to Carbon Nanotubes at Room Temperature. , 2006, , .		2
7137	Acoustic and Optical VOCs Sensors Incorporating Carbon Nanotubes. IEEE Sensors Journal, 2006, 6, 867-875.	4.7	31
7138	New Paradigms in the Silicon Industry. , 2006, , .		27
7139	Transport properties of functionalized carbon nanotubes: Density-functional Green™s function calculations. Physical Review B, 2006, 73, .	3.2	9
7140	RF PE-CVD Characteristics for the Growth of Carbon Nanotubes in a CH4/N2 mixed gas. , 2006, , .		0
7141	On emerging nanodevices and architectures. International Biennial Baltic Electronics Conference, 2006, , .	0.0	0
7142	Nanotechnology and Active Thin Films for Compact RF Components and Agile Systems. Ferroelectrics, 2006, 342, 163-182.	0.6	5
7143	Biosensor Based on Self-Assembling Acetylcholinesterase on Carbon Nanotubes for Flow Injection/Amperometric Detection of Organophosphate Pesticides and Nerve Agents. Analytical Chemistry, 2006, 78, 835-843.	6.5	457
7144	Air and water stable ionic liquids in physical chemistry. Physical Chemistry Chemical Physics, 2006, 8, 2101.	2.8	1,054
7145	Nanostructured Carbon Materials. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , 387-398.	0.1	3
7146	Coating Carbon Nanotubes with Silver Nanoparticles to Get Conductive Nanocomposites. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
7147	Magnetic Carbon Nanotubes: A Synthesis by Electrostatic Self-Assembly Approach and Application in Biomanipulations. Journal of Physical Chemistry B, 2006, 110, 7213-7220.	2.6	182
7148	Low temperature electron spin resonance investigation on SWNTs after hydrogen treatment. Diamond and Related Materials, 2006, 15, 1085-1089.	3.9	14
7149	Bone Cell Proliferation on Carbon Nanotubes. Nano Letters, 2006, 6, 562-567.	9.1	620
7150	Radial deformation and stability of single-wall carbon nanotubes under hydrostatic pressure. Physical Review B, 2006, 74, .	3.2	77
7151	Selective growth of carbon nanotube on silicon substrates. Transactions of Nonferrous Metals Society of China, 2006, 16, s377-s380.	4.2	0
7152	Preparation of carbon nanotubes by ethanol catalytic combustion technique using nickel salt as catalyst precursor. Transactions of Nonferrous Metals Society of China, 2006, 16, s381-s384.	4.2	5
7153	Synthesis of Y-junction carbon nanofibres by ethanol catalytic combustion technique. Transactions of Nonferrous Metals Society of China, 2006, 16, s431-s434.	4.2	2
7154	Synthesis of bamboo-like carbon nanotubes by ethanol catalytic combustion technique. Transactions of Nonferrous Metals Society of China, 2006, 16, s435-s437.	4.2	10
7155	Growth of straight carbon nanotubes by simple thermal chemical vapor deposition. Transactions of Nonferrous Metals Society of China, 2006, 16, s689-s691.	4.2	0
7156	Electrical measurement on individual multi-walled carbon nanotubes. Transactions of Nonferrous Metals Society of China, 2006, 16, s772-s775.	4.2	0
7157	Stability and chirality effect on twist formation of collapsed double wall carbon nanotubes. Transactions of Nonferrous Metals Society of China, 2006, 16, s776-s779.	4.2	5
7159	Local measurement of secondary electron emission from ZnO-coated carbon nanotubes. Nanotechnology, 2006, 17, 1564-1567.	2.6	24
7160	Dynamical core-hole screening in the x-ray absorption spectra of graphite, C60, and carbon nanotubes: A first-principles electronic structure study. Physical Review B, 2006, 73, .	3.2	28
7161	One-Pot Synthesis of Poly(cyclotriphosphazene-co-4,4'-sulfonyldiphenol) Nanotubes via an In Situ Template Approach. Advanced Materials, 2006, 18, 2997-3000.	21.0	167
7162	High-Quality Sodium Rare-Earth Fluoride Nanocrystals: Controlled Synthesis and Optical Properties. Journal of the American Chemical Society, 2006, 128, 6426-6436.	13.7	1,374
7163	Controllable Synthesis of Conducting Polypyrrole Nanostructures. Journal of Physical Chemistry B, 2006, 110, 1158-1165.	2.6	390
7164	Separation of Semiconducting from Metallic Carbon Nanotubes by Selective Functionalization with Azomethine Ylides. Journal of the American Chemical Society, 2006, 128, 6552-6553.	13.7	126
7165	Synthesis of New Polyaniline/Nanotube Composites Using Ultrasonically Initiated Emulsion Polymerization. Chemistry of Materials, 2006, 18, 6258-6265.	6.7	169

#	ARTICLE	IF	CITATIONS
7166	Multiamino-functionalized carbon nanotubes and their applications in loading quantum dots and magnetic nanoparticles. <i>Journal of Materials Chemistry</i> , 2006, 16, 1852.	6.7	75
7167	Multiwalled carbon nanotubes as sorbent for on-line coupling of solid-phase extraction to high-performance liquid chromatography for simultaneous determination of 10 sulfonamides in eggs and pork. <i>Journal of Chromatography A</i> , 2006, 1127, 12-17.	3.7	187
7168	Single-Walled Carbon Nanotubes Template the One-Dimensional Ordering of a Polythiophene Derivative. <i>Organic Letters</i> , 2006, 8, 5489-5492.	4.6	83
7169	Bulk characterization of multiwall carbon nanotubes. <i>Zeitschrift für Kristallographie, Supplement</i> , 2006, 2006, 325-330.	0.5	5
7170	Nanowires and Carbon Nanotubes. , 2006, , 237-280.		3
7171	Tissue biodistribution and blood clearance rates of intravenously administered carbon nanotube radiotracers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3357-3362.	7.1	995
7172	Water-Solubilization of Nucleotides-Coated Single-Walled Carbon Nanotubes Using a High-Speed Vibration Milling Technique. <i>Organic Letters</i> , 2006, 8, 1153-1156.	4.6	65
7173	Multiwall Carbon Nanotubes Made of Monochirality Graphite Shells. <i>Journal of the American Chemical Society</i> , 2006, 128, 1052-1053.	13.7	41
7174	Prospects for Single-Molecule Information-Processing Devices for the Next Paradigm. <i>Annals of the New York Academy of Sciences</i> , 2002, 960, 39-61.	3.8	8
7175	The Mechanism of Water Diffusion in Narrow Carbon Nanotubes. <i>Nano Letters</i> , 2006, 6, 633-639.	9.1	411
7176	Fabrication and photoluminescent characteristics of La ₂ O ₃ :Eu ³⁺ -nanowires. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 303-308.	2.8	36
7177	Scanning tunneling microscopy and spectroscopy of the electronic local density of states of graphite surfaces near monoatomic step edges. <i>Physical Review B</i> , 2006, 73, .	3.2	429
7178	Synthesis of NiO-embedded carbon nanotubes using corona discharge enhanced chemical vapor deposition. <i>Diamond and Related Materials</i> , 2006, 15, 1217-1222.	3.9	19
7179	Carbon nanotubes growth in AlPO ₄₋₅ zeolites: Evidence for density dependent field emission characteristics. <i>Diamond and Related Materials</i> , 2006, 15, 1759-1764.	3.9	6
7180	Vapor phase deposition of carbon nanotubes using tungsten-organic source and acetylene. <i>Diamond and Related Materials</i> , 2006, 15, 100-103.	3.9	5
7181	Cross-sectional transmission electron microscopic study on the initial stage growth of carbon nanotubes. <i>Diamond and Related Materials</i> , 2006, 15, 239-243.	3.9	4
7182	High-pressure pyrolysis of melamine route to nitrogen-doped conical hollow and bamboo-like carbon nanotubes. <i>Diamond and Related Materials</i> , 2006, 15, 164-170.	3.9	52
7183	Synthesis of multi-walled carbon nanotubes by catalytic chemical vapor deposition using Cr ₂ xFe _x O ₃ as catalyst. <i>Diamond and Related Materials</i> , 2006, 15, 1708-1713.	3.9	17

#	ARTICLE	IF	CITATIONS
7184	Nanostructured Pt Functionized Multiwalled Carbon Nanotube Based Hydrogen Sensor. Journal of Physical Chemistry B, 2006, 110, 11291-11298.	2.6	183
7185	Rings of triple-walled carbon nanotube bundles. Applied Physics Letters, 2006, 89, 223106.	3.3	22
7186	Single-Step in Situ Preparation of Polymer-Grafted Multi-Walled Carbon Nanotube Composites under ^{60}Co γ -Ray Irradiation. Chemistry of Materials, 2006, 18, 2929-2934.	6.7	82
7187	Effect of Carboxy-Functionalized Multiwall Nanotubes (MWNT- COOH) on the Crystallization and Chain Conformations of Poly(ethylene terephthalate) PET in PET/MWNT Nanocomposites. Macromolecules, 2006, 39, 9150-9156.	4.8	85
7188	Optical Stark Effect of Exciton in Semiconducting Single-Walled Carbon Nanotubes. Japanese Journal of Applied Physics, 2006, 45, L513-L515.	1.5	4
7189	Phonon dispersion curves of stable and metastable BC ₃ honeycomb epitaxial sheets and their chemical bonding: Experiment and theory. Physical Review B, 2006, 73, .	3.2	70
7190	Generation of Hydrophilic, Bamboo-Shaped Multiwalled Carbon Nanotubes by Solid-State Pyrolysis and Its Electrochemical Studies. Journal of Physical Chemistry B, 2006, 110, 2037-2044.	2.6	74
7191	Adsorption of Polycyclic Aromatic Hydrocarbons by Carbon Nanomaterials. Environmental Science & Technology, 2006, 40, 1855-1861.	10.0	699
7192	Mechanical properties of ultrathin carbon nanotube junctions. Modelling and Simulation in Materials Science and Engineering, 2006, 14, S1-S8.	2.0	16
7193	Carbon nanotube biocompatibility with cardiac muscle cells. Nanotechnology, 2006, 17, 391-397.	2.6	110
7194	Boron nitride nanotubes/polystyrene composites. Journal of Materials Research, 2006, 21, 2794-2800.	2.6	142
7195	Effects of initial stress on transverse wave propagation in carbon nanotubes based on Timoshenko laminated beam models. Nanotechnology, 2006, 17, 45-53.	2.6	49
7196	Electronic structure and energetics of BxCyNz layered structures. Physical Review B, 2006, 73, .	3.2	130
7197	Stability and Size Effect of Silica Nanotube. Acta Physico-chimica Sinica, 2006, 22, 451-455.	0.6	7
7198	Carbon nanotube prepared from carbon monoxide by CVD method and its application as electrode materials. Rare Metals, 2006, 25, 73-76.	7.1	1
7199	Carbon nanofiber formation on iron group metal loaded on SiO ₂ . Diamond and Related Materials, 2006, 15, 1080-1084.	3.9	19
7200	Simple fabrication process of a screen-printed triode-CNT field emitter array. Diamond and Related Materials, 2006, 15, 1855-1858.	3.9	14
7201	Efficient synthesis of carbon nanotubes over rare earth zeolites by thermal chemical vapor deposition at low temperature. Diamond and Related Materials, 2006, 15, 1261-1265.	3.9	12

#	ARTICLE	IF	CITATIONS
7202	Structural and mechanical properties of facing-target sputtered amorphous CN _x films. <i>Diamond and Related Materials</i> , 2006, 15, 1732-1737.	3.9	23
7203	Energy relaxation and pulsed neutrons diffraction studies of carbon nanotubes. <i>Diamond and Related Materials</i> , 2006, 15, 1090-1093.	3.9	2
7204	Effects of NH ₃ plasma pretreatment on the growth of carbon nanotubes. <i>Diamond and Related Materials</i> , 2006, 15, 361-364.	3.9	17
7205	Review article: Polymer-matrix Nanocomposites, Processing, Manufacturing, and Application: An Overview. <i>Journal of Composite Materials</i> , 2006, 40, 1511-1575.	2.4	1,886
7206	Conducting MWNT/poly(vinyl acetate) composite nanofibres by electrospinning. <i>Nanotechnology</i> , 2006, 17, 5829-5835.	2.6	59
7207	Magnetic response and NMR spectra of carbon nanotubes from ab initio calculations. <i>Physical Review B</i> , 2006, 73, .	3.2	69
7208	Synergism of C ₅ N Six-Membered Ring and Vapor-Liquid-Solid Growth of CN _x Nanotubes with Pyridine Precursor. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16422-16427.	2.6	105
7209	The Electronic Properties of Nanomaterials Elucidated by Synchrotron Radiation-Based Spectroscopy. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2006, 31, 91-110.	12.3	27
7210	Elasticity and piezoelectricity of zinc oxide crystals, single layers, and possible single-walled nanotubes. <i>Physical Review B</i> , 2006, 74, .	3.2	211
7211	Synthesis and Characterization of CuO Nanowires. , 2006, , .		1
7212	Hierarchically Structured Cobalt Oxide (Co ₃ O ₄): The Morphology Control and Its Potential in Sensors. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15858-15863.	2.6	339
7213	Vibration of carbon nanotubes studied using nonlocal continuum mechanics. <i>Smart Materials and Structures</i> , 2006, 15, 659-666.	3.5	288
7214	Cadmium Sulfide One-Dimensional Nanostructures: Synthesis, Characterization and Application. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2006, 36, 289-312.	1.8	51
7215	FTIR studies of nitrogen doped carbon nanotubes. <i>Diamond and Related Materials</i> , 2006, 15, 385-388.	3.9	214
7216	Development and Application of Porous Membrane-Protected Carbon Nanotube Micro-Solid-Phase Extraction Combined with Gas Chromatography/Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 2853-2858.	6.5	316
7217	Adsorption of transition-metal atoms on boron nitride nanotube: A density-functional study. <i>Journal of Chemical Physics</i> , 2006, 125, 044711.	3.0	104
7218	Determination of the Exciton Binding Energy in Single-Walled Carbon Nanotubes. <i>Physical Review Letters</i> , 2006, 96, 047403.	7.8	52
7219	Magnetic resonance study of Ni nanoparticles in single-walled carbon nanotube bundles. <i>Journal of Applied Physics</i> , 2006, 100, 124315.	2.5	10

#	ARTICLE	IF	CITATIONS
7220	Carbon Nanotube Synthesis via the Catalytic CVD Method: A Review on the Effect of Reaction Parameters. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 17-37.	2.1	143
7221	Effective amino-functionalization of carbon nanotubes for reinforcing epoxy polymer composites. Nanotechnology, 2006, 17, 1551-1557.	2.6	233
7222	Noncovalent interactions of molecules with single walled carbon nanotubes. Chemical Society Reviews, 2006, 35, 637.	38.1	616
7223	Electron-phonon coupling at metal surfaces. Reports on Progress in Physics, 2006, 69, 899-969.	20.1	68
7224	Electronic transport and Fano resonance in carbon nanotube ring systems. Physical Review B, 2006, 73, .	3.2	6
7225	Tubular Carbon Nano-/Microstructures Synthesized from Graphite Powders by an in Situ Template Process. Journal of Physical Chemistry B, 2006, 110, 10714-10719.	2.6	16
7226	Chapter 1 Fluoride Removal from Water Using Adsorption Technique. Advances in Fluorine Science, 2006, , 1-48.	0.1	45
7227	Fabrication, Characterization, and Applications of Template-Synthesized Nanotubes and Nanotube Membranes. , 2006, , 221-250.		1
7228	Carbon Nanotube Production and Applications: Basis of Nanotechnology. , 2006, , 219-245.		0
7229	High performance ZnO nanowire field effect transistor using self-aligned nanogap gate electrodes. Applied Physics Letters, 2006, 89, 263102.	3.3	122
7230	Functionalization and applications of carbon nanotubes. , 2006, , 191-234.		0
7231	Peculiar width dependence of the electronic properties of carbon nanoribbons. Physical Review B, 2006, 73, .	3.2	719
7232	Dynamic electrical properties of polymer-carbon nanotube composites: Enhancement through covalent bonding. Journal of Materials Research, 2006, 21, 1071-1077.	2.6	53
7233	Stability and Electronic Properties of Nitrogen Nanoneedles and Nanotubes. Journal of Chemical Information and Modeling, 2006, 46, 1965-1971.	5.4	13
7234	Long Germanium Nanowires Prepared by Electrochemical Etching. Nano Letters, 2006, 6, 1578-1580.	9.1	42
7235	Self-Folding and Unfolding of Carbon Nanotubes. Journal of Engineering Materials and Technology, Transactions of the ASME, 2006, 128, 3-10.	1.4	37
7236	Synthetic architecture of interior space for inorganic nanostructures. Journal of Materials Chemistry, 2006, 16, 649-662.	6.7	457
7237	Molecular Dynamics Simulation Study of the Structural Characteristics of Water Molecules Confined in Functionalized Carbon Nanotubes. Journal of Physical Chemistry B, 2006, 110, 25761-25768.	2.6	58

#	ARTICLE	IF	CITATIONS
7238	Helicity and temperature effects on static properties of water molecules confined in modified carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3836.	2.8	50
7239	Quantum dots in carbon nanotubes. <i>Semiconductor Science and Technology</i> , 2006, 21, S52-S63.	2.0	41
7240	Fabrication of Single-Walled Carbon-Nanotube-Based Pressure Sensors. <i>Nano Letters</i> , 2006, 6, 233-237.	9.1	335
7241	Carbon nanostructures for advanced composites. <i>Reports on Progress in Physics</i> , 2006, 69, 1847-1895.	20.1	194
7242	Electrospinning carbon nanotube polymer composite nanofibers. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 177-209.	2.4	134
7243	Simulated water adsorption in chemically heterogeneous carbon nanotubes. <i>Journal of Chemical Physics</i> , 2006, 124, 074710.	3.0	76
7244	Microwave plasma in hydrocarbon liquids. <i>Applied Physics Letters</i> , 2006, 88, 211503.	3.3	69
7245	Solvothermal/hydrothermal route to semiconductor nanowires. <i>Nanotechnology</i> , 2006, 17, S313-S320.	2.6	104
7246	First-principles study of optical spectra of single-wall BC ₂ N nanotubes. <i>Physical Review B</i> , 2006, 73, .	3.2	30
7247	Electrical Characteristics of CNT-FETs with Symmetric Field-Effect-Free on Source and Drain. , 0, , .		2
7248	Comparison of Electronic Transport Parameter of CNT(10,10)/CNT(17,0) and CNT(5,5)/CNT(8,0) Carbon Nanotube Metal-Semiconductor On-Tube Heterojunction. , 2006, , .		0
7249	A carbon nanotube strain sensor for structural health monitoring. <i>Smart Materials and Structures</i> , 2006, 15, 737-748.	3.5	862
7250	Functionalised conjugated materials as building blocks of electronic nanostructures. <i>Faraday Discussions</i> , 2006, 131, 235-252.	3.2	34
7251	Infrared and Optical Properties of Carbon Nanotube Dipole Antennas. <i>IEEE Nanotechnology Magazine</i> , 2006, 5, 766-775.	2.0	90
7252	Are Ionic Liquids Really a Boon for the Synthesis of Inorganic Materials? A General Method for the Fabrication of Nanosized Metal Fluorides. <i>Chemistry of Materials</i> , 2006, 18, 3162-3168.	6.7	183
7253	Metallic Nanoparticle~Carbon Nanotube Composites for Electrochemical Determination of Explosive Nitroaromatic Compounds. <i>Analytical Chemistry</i> , 2006, 78, 5504-5512.	6.5	256
7254	Ab initio study of TCNQ-doped carbon nanotubes. <i>Physical Review B</i> , 2006, 73, .	3.2	23
7255	Shape Evolution and Size-Controllable Synthesis of Cu ₂ O Octahedra and Their Morphology-Dependent Photocatalytic Properties. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13829-13834.	2.6	526

#	ARTICLE	IF	CITATIONS
7256	Preparation of Electrospun Protein Nanofibers with Multiwalled Carbon Nanotubes. Key Engineering Materials, 2006, 326-328, 1737-1740.	0.4	3
7257	New challenges in fullerene chemistry. Chemical Communications, 2006, , 2093-2104.	4.1	312
7258	Electrical Bistability and Memory Phenomenon in Carbon Nanotube-Conjugated Polymer Matrixes. Journal of Physical Chemistry B, 2006, 110, 8274-8277.	2.6	98
7259	The electrolyte switchable solubility of multi-walled carbon nanotube/ionic liquid (MWCNT/IL) hybrids. Chemical Communications, 2006, , 2356.	4.1	94
7260	The environmental effect on the radial breathing mode of carbon nanotubes. II. Shell model approximation for internally and externally adsorbed fluids. Journal of Chemical Physics, 2006, 125, 184705.	3.0	33
7261	Photoluminescence and photoconductivity properties of copper-doped Cd _{1-x} Zn _x S nanoribbons. Nanotechnology, 2006, 17, 5935-5940.	2.6	45
7262	Haeckelites: A promising anode material for lithium batteries application. An ab initio and molecular dynamics theoretical study. Applied Physics Letters, 2006, 89, 233125.	3.3	18
7263	Morphology-Controllable Synthesis and Characterization of Single-Crystal Molybdenum Trioxide. Journal of Physical Chemistry B, 2006, 110, 2006-2012.	2.6	185
7264	Adsorption of Ni(II) from Aqueous Solution Using Oxidized Multiwall Carbon Nanotubes. Industrial & Engineering Chemistry Research, 2006, 45, 9144-9149.	3.7	521
7265	Optical Interference from Pairs and Arrays of Nanowires. Nano Letters, 2006, 6, 862-865.	9.1	6
7266	Facile sonochemical synthesis of CePO ₄ :Tb/LaPO ₄ core/shell nanorods with highly improved photoluminescent properties. Nanotechnology, 2006, 17, 4217-4222.	2.6	47
7267	Sandwich growth of carbon nanotubes. Diamond and Related Materials, 2006, 15, 104-108.	3.9	15
7268	Carbon nanotube-enhanced capillary condensation for a capacitive humidity sensor. Nanotechnology, 2006, 17, 5441-5448.	2.6	118
7269	Inorganic Nanotubes: A Novel Platform for Nanofluidics. Accounts of Chemical Research, 2006, 39, 239-248.	15.6	293
7270	Formation mechanism of silicon carbide nanotubes with special morphology. Journal of Applied Physics, 2006, 100, 046105.	2.5	22
7271	The effect of metal cluster coatings on carbon nanotubes. Nanotechnology, 2006, 17, 496-500.	2.6	57
7272	Ab initio study of native defects in SiC nanotubes. Physical Review B, 2006, 74, .	3.2	59
7273	Synthesis and Characterizations of Amorphous Carbon Nanotubes by Pyrolysis of Ferrocene Confined within AAM Templates. Journal of Physical Chemistry B, 2006, 110, 8263-8267.	2.6	32

#	ARTICLE	IF	CITATIONS
7274	Block-copolymer assisted synthesis of arrays of metal nanoparticles and their catalytic activities for the growth of SWNTs. Nanotechnology, 2006, 17, 5080-5086.	2.6	27
7275	Apparent "electrocatalytic" activity of multiwalled carbon nanotubes in the detection of the anaesthetic halothane: occluded copper nanoparticles. Analyst, The, 2006, 131, 901-906.	3.5	135
7276	Electronic structures of finite carbon nanotubes under external fields. Journal of Physics Condensed Matter, 2006, 18, 9427-9434.	1.8	5
7277	Fabrication of carbon nanotube field emission cathodes in patterns by a laser transfer method. Nanotechnology, 2006, 17, 1184-1187.	2.6	38
7278	Growth and field-emission properties of single-crystalline conic ZnO nanotubes. Nanotechnology, 2006, 17, 753-757.	2.6	30
7279	Preparation of Poly(acrylic acid) Grafted Multiwalled Carbon Nanotubes by a Two-Step Irradiation Technique. Macromolecules, 2006, 39, 330-334.	4.8	145
7280	Size-Tunable Synthesis of SiO ₂ Nanotubes via a Simple In Situ Templatelike Process. Journal of Physical Chemistry B, 2006, 110, 23170-23174.	2.6	20
7281	Polymer Nanocomposites: How to Reach Low Flammability?. Macromolecular Symposia, 2006, 233, 180-190.	0.7	140
7282	Toolbox for Dispersing Carbon Nanotubes into Polymers To Get Conductive Nanocomposites. Chemistry of Materials, 2006, 18, 1089-1099.	6.7	496
7283	Chapter 2 Predicting Materials and Properties: Theory of the Ground and Excited State. Contemporary Concepts of Condensed Matter Science, 2006, , 9-53.	0.5	8
7284	Ball-, Bowl-, and Belt-Shaped Conjugated Systems and Their Complexing Abilities: An Exploration of the Concave/Convex "π-π" Interaction. Chemical Reviews, 2006, 106, 5250-5273.	47.7	546
7285	Buckling of Multiwalled Carbon Nanotubes Using Timoshenko Beam Theory. Journal of Engineering Mechanics - ASCE, 2006, 132, 952-958.	2.9	42
7286	Synthesis of MoS ₂ nanorods and their catalytic test in the HDS of dibenzothiophene. Nanotechnology, 2006, 17, 3473-3481.	2.6	60
7287	Density Functional Study of the ¹³ C NMR Chemical Shifts in Small-to-Medium-Diameter Infinite Single-Walled Carbon Nanotubes. Journal of Physical Chemistry A, 2006, 110, 11995-12004.	2.5	62
7288	Poly(acrylic acid)-wrapped multi-walled carbon nanotubes composite solubilization in water: definitive spectroscopic properties. Nanotechnology, 2006, 17, 2845-2849.	2.6	121
7289	Viscoelastic and Dielectric Behavior of Poly(1-Butene)/Multiwalled Carbon Nanotube Nanocomposites. Journal of Macromolecular Science - Physics, 2006, 45, 1053-1064.	1.0	11
7290	Synthesis of Copper-Core/Carbon-Sheath Nanocables by a Surfactant-Assisted Hydrothermal Reduction/Carbonization Process. Journal of Physical Chemistry B, 2006, 110, 11711-11716.	2.6	68
7291	Facile and large-scale synthesis and characterization of carbon nanotube/silver nanocrystal nanohybrids. Nanotechnology, 2006, 17, 2882-2890.	2.6	65

#	ARTICLE	IF	CITATIONS
7292	Nanoscaled Materials: a Brief Introduction. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , 3-26.	0.1	2
7293	Catalytic materials based on aluminium hydroxide, for the large scale production of bundles of multi-walled (MWNT) carbon nanotubes. Catalysis Communications, 2006, 7, 140-147.	3.3	56
7294	Multi-walled carbon nanotubes induce T lymphocyte apoptosis. Toxicology Letters, 2006, 160, 121-126.	0.8	622
7295	Effective Synthesis of Single-Walled Carbon Nanotubes Using Ni~MCM-41 Catalytic Template through Chemical Vapor Deposition Method. Industrial & Engineering Chemistry Research, 2006, 45, 8926-8931.	3.7	18
7296	Catalytic Polymerization and Facile Grafting of Poly(furfuryl alcohol) to Single-Wall Carbon Nanotube:~Preparation of Nanocomposite Carbon. Journal of the American Chemical Society, 2006, 128, 11307-11313.	13.7	74
7297	From 2D Nanoflats to 2D Nanowire Networks:~A Novel Hyposulfite Self-Decomposition Route to Semiconductor FeS2 Nanowires. Crystal Growth and Design, 2006, 6, 583-587.	3.0	42
7298	Growth and Characterization of Single-Crystal Y2O3:Eu Nanobelts Prepared with a Simple Technique. Crystal Growth and Design, 2006, 6, 2193-2196.	3.0	58
7299	Self-Organized Hierarchical ZnS/SiO2Nanowire Heterostructures. Journal of Physical Chemistry B, 2006, 110, 7199-7202.	2.6	50
7300	Self-Assembled, Discrete Organic Tubular Crystals with Controllable Sizes by Simple Sublimation. Crystal Growth and Design, 2006, 6, 1559-1562.	3.0	9
7301	Unconventional Zigzag Indium Phosphide Single-Crystalline and Twinned Nanowires. Journal of Physical Chemistry B, 2006, 110, 20129-20132.	2.6	40
7302	Novel Lipid System Forming Hollow Microtubes at High Yields and Concentration. Langmuir, 2006, 22, 2942-2945.	3.5	66
7303	Fabrication of Protein Nanotubes Based on Layer-by-Layer Assembly. Biomacromolecules, 2006, 7, 2539-2542.	5.4	88
7304	Selective Adsorption and Alignment Behaviors of Double- and Multiwalled Carbon Nanotubes on Bare Au and SiO2Surfaces. Journal of Physical Chemistry B, 2006, 110, 12839-12842.	2.6	28
7305	Equilibrium Properties of Dense Hydrogen Isotope Gases Based on the Theory of Simple Fluids. Journal of Physical Chemistry B, 2006, 110, 14971-14975.	2.6	4
7306	Different Nuclearity Silver(I) Complexes with Novel Tetracyano Pendant-Armed Hexaazamacrocyclic Ligands. Inorganic Chemistry, 2006, 45, 2266-2275.	4.0	32
7307	A Synthetic Route toward Well-Defined Stoichiometric Silica Fullerene and Nanotubes Based on Metastable Four-Membered Rings. Journal of Physical Chemistry B, 2006, 110, 8992-8997.	2.6	6
7308	Photoresponsive Multilayer Spiral Nanotubes:~Intercalation of Polyfluorinated Cationic Azobenzene Surfactant into Potassium Niobate. Journal of the American Chemical Society, 2006, 128, 684-685.	13.7	59
7309	Small Fullerenes with BN Belts:~A Density Functional Theory Investigation. Journal of Physical Chemistry B, 2006, 110, 6666-6672.	2.6	14

#	ARTICLE	IF	CITATIONS
7310	Development and Application of Carbon Nanotubes. Japanese Journal of Applied Physics, 2006, 45, 4883-4892.	1.5	94
7311	Supported Catalytic Growth of SWCNTs using the CVD Method. Journal of Physics: Conference Series, 2006, 26, 139-142.	0.4	5
7312	From conventional technology to carbon nanotechnology: The fourth industrial revolution and the discoveries of C60, carbon nanotube and nanodiamond. , 2006, , 3-11.		19
7313	The Electronic Structures and Properties of Open-Ended and Capped Carbon Nanoneedles. Journal of Chemical Information and Modeling, 2006, 46, 801-807.	5.4	16
7314	Templated Carbon Nanofiber with Mesoporosity and Semiconductivity. Journal of Physical Chemistry B, 2006, 110, 6447-6450.	2.6	35
7315	Solution-Based Synthetic Strategies for 1-D Nanostructures. Inorganic Chemistry, 2006, 45, 7522-7534.	4.0	170
7316	ZnO-nanoparticle-coated carbon nanotubes demonstrating enhanced electron field-emission properties. Journal of Applied Physics, 2006, 99, 094308.	2.5	88
7317	Capacitive Humidity Sensing using Carbon Nanotube Enabled Capillary Condensation. , 2006, , .		6
7318	Lattice Theory of C_{36} : A Carbon Ellipsoidal Cell. IEEE Nanotechnology Magazine, 2006, 5, 422-429.	2.0	0
7319	Alignment of carbon nanotubes on pre-structured silicon by surface acoustic waves. Nanotechnology, 2006, 17, 4529-4532.	2.6	44
7320	Inorganic Single Wall Nanotubes of $SbPS_4 \cdot xS_2O_3$ with Tunable Band Gap. Journal of the American Chemical Society, 2006, 128, 6538-6539.	13.7	51
7321	Direct Synthesis of $B^{14}N$ Single-Walled Nanotubes by Bias-Assisted Hot Filament Chemical Vapor Deposition. Journal of the American Chemical Society, 2006, 128, 6530-6531.	13.7	176
7322	Synthesis of Polygonized Carbon Nanotubes Utilizing Inhomogeneous Catalyst Activity of Nonspherical Fe_3O_4 Nanoparticles. Journal of Physical Chemistry B, 2006, 110, 16404-16407.	2.6	22
7323	Synthesis of high density 4 A single-walled carbon nanotubes in $AlPO_4$ zeolites. , 2006, , .		0
7324	Studies on Nanocrystalline Ag_2Se . Materials and Manufacturing Processes, 2006, 21, 694-697.	4.7	4
7325	Preparation of Catalytic Substrates with Ordered Size of Iron Nanoparticles for Production Carbon Nanotubes. , 2006, , .		0
7326	$Pt-Pb$ alloy nanoparticle/carbon nanotube nanocomposite: a strong electrocatalyst for glucose oxidation. Nanotechnology, 2006, 17, 2334-2339.	2.6	179
7327	Curvature effect on the surface diffusion of silver adatoms on carbon nanotubes: Deposition experiments and numerical simulations. Physical Review B, 2006, 74, .	3.2	20

#	ARTICLE	IF	CITATIONS
7328	Formation of Porous Carbon Materials with in Situ Generated NaF Nanotemplate. Journal of Physical Chemistry B, 2006, 110, 11818-11822.	2.6	9
7329	Electrocatalytic Activity of Bamboo-Structured Carbon Nanotubes Paste Electrode Toward Hydrogen Peroxide. Analytical Letters, 2006, 39, 903-911.	1.8	26
7330	Thermal Decomposition of Carbon Precursors in Decorated AFI Zeolite Crystals. Journal of Physical Chemistry B, 2006, 110, 19285-19290.	2.6	14
7331	Hybrid carbon nanotubes: Strategy, progress, and perspectives. Journal of Materials Research, 2006, 21, 2774-2793.	2.6	122
7332	Surface Area Measurement of Functionalized Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2006, 110, 24812-24815.	2.6	47
7333	Synergistic Enhancement on the Conductivity of Polyaniline via Copolymerization and Carbon Nanotubes. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1477-1484.	2.2	4
7334	Electron-Transfer Reduction of Cup-Stacked Carbon Nanotubes Affording Cup-Shaped Carbons with Controlled Diameter and Size. Journal of the American Chemical Society, 2006, 128, 14216-14217.	13.7	50
7335	A Vapor-Solid Strategy to Silica Sheathed Metal Nanostructures and Microstructures via Reactions of Metal Chlorides with Silicon. Journal of Physical Chemistry B, 2006, 110, 807-811.	2.6	6
7336	Self-Assembly of Single-Walled Carbon Nanotubes into Multiwalled Carbon Nanotubes in Water: A Molecular Dynamics Simulations. Nano Letters, 2006, 6, 430-434.	9.1	75
7337	Synthesis and characterisation of iron doped boehmite nanofibres, nanotubes and nanosheets. , 2006, , .		0
7338	Infrared-active phonons in carbon nanotubes. Physical Review B, 2006, 74, .	3.2	38
7339	Ab initio study of nitrogen and boron substitutional impurities in single-wall SiC nanotubes. Physical Review B, 2006, 73, .	3.2	131
7340	Modeling of Carbon Nanotube Vertical Interconnects as Transmission Lines. , 0, , .		3
7341	Effect of Diameter Variation in a Large Set of Carbon Nanotube Transistors. Nano Letters, 2006, 6, 1364-1368.	9.1	61
7342	Density functional theory study on the geometrical and electronic structures of a new thinnest boron nanotube. Journal of Materials Chemistry, 2006, 16, 2429.	6.7	13
7343	Nano-Urchin: The Formation and Structure of High-Density Spherical Clusters of Vanadium Oxide Nanotubes. Chemistry of Materials, 2006, 18, 3016-3022.	6.7	134
7344	Current on an Infinitely-Long Carbon Nanotube Antenna Excited by a Gap Generator. IEEE Transactions on Antennas and Propagation, 2006, 54, 76-81.	5.1	70
7345	Efficient H ₂ Adsorption by Nanopores of High-Purity Double-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2006, 128, 12636-12637.	13.7	50

#	ARTICLE	IF	CITATIONS
7346	Analytic approach to the linear susceptibility of zigzag carbon nanotubes. <i>Physical Review B</i> , 2006, 74, .	3.2	13
7347	Electronic and Structural Properties of Oxygen-Doped BN Nanotubes. <i>IEEE Nanotechnology Magazine</i> , 2006, 5, 517-522.	2.0	54
7348	Postbuckling prediction of axially loaded double-walled carbon nanotubes with temperature dependent properties and initial defects. <i>Physical Review B</i> , 2006, 74, .	3.2	37
7349	Analysis of PD-generated SF ₆ /sub 6/ decomposition gases adsorbed on carbon nanotubes. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2006, 13, 1200-1207.	2.9	58
7350	Preparing a Magnetically Responsive Single-Wall Carbon Nanohorn Colloid by Anchoring Magnetite Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7165-7170.	2.6	44
7351	Electrochemical Nanoneedle Biosensor Based on Multiwall Carbon Nanotube. <i>Analytical Chemistry</i> , 2006, 78, 617-620.	6.5	105
7352	Small-radius clean and metal-doped boron carbide nanotubes: A density functional study. <i>Physical Review B</i> , 2006, 74, .	3.2	18
7353	Quantum Chemical Treatment of Large Nanotubes via Use of Line Group Symmetry:Â Structural Preferences of Magnesium Dichloride Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 4675-4678.	2.6	10
7354	Dendrimer-Templated Fe Nanoparticles for the Growth of Single-Wall Carbon Nanotubes by Plasma-Enhanced CVD. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10636-10644.	2.6	43
7355	Suzuki Coupling Reactions for the Surface Functionalization of Single-Walled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2006, 18, 5389-5391.	6.7	63
7356	Fabrication of Fluorescent Nanotubes Based on Layer-by-Layer Assembly via Covalent Bond. <i>Langmuir</i> , 2006, 22, 360-362.	3.5	78
7357	Dimension Control of Glycolipid Nanotubes by Successive Use of Vesicle Extrusion and Porous Template. <i>Chemistry of Materials</i> , 2006, 18, 1577-1580.	6.7	20
7358	Theoretical Nitrogen NMR Chemical Shifts in Octahedral Boron Nitride Cages. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10844-10847.	2.5	26
7359	Microscopic and Spectroscopic Characterization of Paintbrush-like Single-walled Carbon Nanotubes. <i>Nano Letters</i> , 2006, 6, 1408-1414.	9.1	95
7360	Selective Growth of Calcium Molybdate Whiskers by Rapid Cooling of a Sodium Chloride Flux. <i>Crystal Growth and Design</i> , 2006, 6, 1598-1601.	3.0	28
7361	A Family of Stable Silica Fullerenes with Fully Coordinated Structures. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17757-17762.	2.6	8
7362	Young's modulus of ZnO nanobelts measured using atomic force microscopy and nanoindentation techniques. <i>Nanotechnology</i> , 2006, 17, 3591-3597.	2.6	176
7363	Polymer Chain Winding in the Melt. <i>Macromolecules</i> , 2006, 39, 2330-2339.	4.8	3

#	ARTICLE	IF	CITATIONS
7364	Dielectrophoretic Assembly of Nanowires. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14098-14106.	2.6	168
7365	Keggin POM Microtubes: a Coincident Product of Crystal Growth and Species Transformation. <i>Inorganic Chemistry</i> , 2006, 45, 8856-8858.	4.0	23
7366	Controlled Nanofiber Composed of Multi-Wall Carbon Nanotube/Poly(Ethylene Oxide). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 785-796.	2.2	14
7367	Nanoscale Tubular Vessels for Storage of Methane at Ambient Temperatures. <i>Langmuir</i> , 2006, 22, 9035-9040.	3.5	53
7368	2,4,5-Triphenylimidazole Nanowires with Fluorescence Narrowing Spectra Prepared through the Adsorbent-Assisted Physical Vapor Deposition Method. <i>Chemistry of Materials</i> , 2006, 18, 2302-2306.	6.7	71
7369	Rapid, Large-Scale Synthesis and Electrochemical Behavior of Faceted Single-Crystalline Selenium Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9041-9047.	2.6	79
7370	Inorganic nanotubes and fullerene-like nanoparticles. <i>Journal of Materials Research</i> , 2006, 21, 2726-2743.	2.6	69
7371	Periodic Inclusion of Room-Temperature-Ferromagnetic Metal Phosphide Nanoparticles in Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9759-9763.	2.6	12
7372	Force field comparisons of the heat capacity of carbon nanotubes. <i>Molecular Simulation</i> , 2006, 32, 839-848.	2.0	11
7373	Describing Binary Mixture Diffusion in Carbon Nanotubes with the Maxwell-Stefan Equations. An Investigation Using Molecular Dynamics Simulations. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 2084-2093.	3.7	67
7374	Carbon-Coated Single-Crystalline Zinc Sulfide Nanowires. <i>Journal of Physical Chemistry B</i> , 2006, 110, 20777-20780.	2.6	29
7375	Nucleation-Dissolution-Recrystallization: A New Growth Mechanism for t-Selenium Nanotubes. <i>Crystal Growth and Design</i> , 2006, 6, 577-582.	3.0	192
7376	Water-Soluble Multiwalled Carbon Nanotubes Functionalized with Sulfonated Polyaniline. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9095-9099.	2.6	116
7377	Carbonization Mechanism of Tetrapropylammonium-hydroxide in Channels of AlPO ₄ -5 Single Crystals. <i>Chemistry of Materials</i> , 2006, 18, 1505-1511.	6.7	22
7378	Hydrogen Sorption on Palladium-Doped Sepiolite-Derived Carbon Nanofibers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16225-16231.	2.6	53
7379	One-Dimensional Nanostructures from Layered Manganese Oxide. <i>Crystal Growth and Design</i> , 2006, 6, 601-606.	3.0	30
7380	Nanodiffraction and Characterization of Titanate Nanotube Prepared by Hydrothermal Method. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 445, 107/[397]-113/[403].	0.9	7
7381	A structural mechanics study of single-walled carbon nanotubes generalized from atomistic simulation. <i>Nanotechnology</i> , 2006, 17, 1004-1015.	2.6	83

#	ARTICLE	IF	CITATIONS
7382	Metallopyrrole-Capped Carbon Nanocones. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21480-21486.	2.6	14
7383	Synthesis of Double-Walled Carbon Nanotubes by Catalytic Chemical Vapor Deposition and Their Field Emission Properties. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5310-5314.	2.6	32
7384	Electronic Properties of Capped, Finite-Length Armchair Carbon Nanotubes in an Electric Field. <i>Journal of Physical Chemistry B</i> , 2006, 110, 12384-12387.	2.6	8
7385	Coalescence and T-junction formation of carbon nanotubes: Action-derived molecular dynamics simulations. <i>Physical Review B</i> , 2006, 74, .	3.2	8
7386	Solutionâ€”Liquidâ€”Solid Growth of Semiconductor Nanowires. <i>Inorganic Chemistry</i> , 2006, 45, 7511-7521.	4.0	321
7387	Insights into the Mechanism of BN Generation via Boron Triazide Precursor:Â Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10591-10600.	2.5	5
7388	The Nature of Contact between Pd Leads and Semiconducting Carbon Nanotubes. <i>Nano Letters</i> , 2006, 6, 1415-1419.	9.1	48
7389	Synthesis and Interface Structures of Zinc Sulfide Sheathed Zincâ€”Cadmium Nanowire Heterojunctions. <i>Journal of Physical Chemistry B</i> , 2006, 110, 14123-14127.	2.6	14
7390	Amperometric choline biosensor fabricated through electrostatic assembly of bienzyme/polyelectrolyte hybrid layers on carbon nanotubes. <i>Analyst, The</i> , 2006, 131, 477.	3.5	76
7391	Biocompatibility and Toxicological Studies of Carbon Nanotubes Doped with Nitrogen. <i>Nano Letters</i> , 2006, 6, 1609-1616.	9.1	332
7392	Storage of hydrogen and lithium in inorganic nanotubes and nanowires. <i>Journal of Materials Research</i> , 2006, 21, 2744-2757.	2.6	71
7393	Chromium adsorption by aligned carbon nanotubes supported ceria nanoparticles. <i>Chemosphere</i> , 2006, 62, 861-865.	8.2	269
7394	A morphological investigation of soot produced by the detonation of munitions. <i>Chemosphere</i> , 2006, 65, 821-831.	8.2	75
7395	Molecular dynamics of single wall carbon nanotube growth on nickel surface. <i>Computational Materials Science</i> , 2006, 36, 117-120.	3.0	10
7396	A comparison of different methods of Youngâ€™s modulus determination for single-wall carbon nanotubes (SWCNT) using molecular dynamics (MD) simulations. <i>Computational Materials Science</i> , 2006, 38, 271-281.	3.0	84
7397	Functionalized carbon nanotubes as emerging nanovectors for the delivery of therapeutics. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 404-412.	2.6	477
7398	Thermal behavior of single-walled carbon nanotube polymerâ€”matrix composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 114-121.	7.6	183
7399	Surface modification and ultrasonication effect on the mechanical properties of carbon nanofiber/polycarbonate composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1270-1275.	7.6	78

#	ARTICLE	IF	CITATIONS
7400	A comprehensive closed form micromechanics model for estimating the elastic modulus of nanotube-reinforced composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 2178-2185.	7.6	153
7401	Unique optical properties of anisotropic helical structures in a Fabry-Perot cavity. <i>Optics Letters</i> , 2006, 31, 3019.	3.3	16
7402	First principles study of electronic and mechanical properties of molybdenum selenide type nanowires. <i>Physical Review B</i> , 2006, 74, .	3.2	26
7403	Synthesis of SiO ₂ Nanotubes and Their Application as Nanoscale Reactors. <i>Chemistry of Materials</i> , 2006, 18, 996-1000.	6.7	45
7404	Theory of optical scattering by achiral carbon nanotubes and their potential as optical nanoantennas. <i>Physical Review B</i> , 2006, 73, .	3.2	178
7405	Synthesis of Uniform Te@Carbon-Rich Composite Nanocables with Photoluminescence Properties and Carbonaceous Nanofibers by the Hydrothermal Carbonization of Glucose. <i>Chemistry of Materials</i> , 2006, 18, 2102-2108.	6.7	253
7406	Sequence of Events for the Formation of Titanate Nanotubes, Nanofibers, Nanowires, and Nanobelts. <i>Chemistry of Materials</i> , 2006, 18, 547-553.	6.7	247
7407	Phase behavior of nanotube suspensions: from attraction induced percolation to liquid crystalline phases. <i>Journal of Materials Chemistry</i> , 2006, 16, 4095.	6.7	74
7408	New electrodes for old: from carbon nanotubes to edge plane pyrolytic graphite. <i>Analyst</i> , The, 2006, 131, 15-21.	3.5	532
7409	A new catalyzed process to prepare large-scale carbon nanowires based on CVD method. <i>Journal of Alloys and Compounds</i> , 2006, 416, 315-318.	5.5	7
7410	The electrochemical hydrogen storage of CNTs synthesized by CVD using LaNi ₅ alloy particles as catalyst and treated with different temperature in nitrogen. <i>Journal of Alloys and Compounds</i> , 2006, 420, 312-316.	5.5	18
7411	Effect of annealing temperature on phase transition and optical property of titanate nanotubes prepared by ion exchange approach. <i>Journal of Alloys and Compounds</i> , 2006, 424, 311-314.	5.5	27
7412	Structure and magnetic properties of Cr(N) α -Cr ₂ N nanoparticles prepared by arc-discharge. <i>Journal of Alloys and Compounds</i> , 2006, 425, 4-9.	5.5	6
7413	Study of CNTs and nanographite grown by thermal CVD using different precursors. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1310-1313.	3.1	16
7414	Oxygen plasma etching of carbon nano-structures containing nitrogen. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1314-1318.	3.1	11
7415	Confinement of selenium inside carbon nanotubes. Structural characterization by X-ray diffraction and X-ray absorption spectroscopy. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 99-108.	3.1	16
7416	Carbon nano-structures containing nitrogen and hydrogen prepared by ion beam assisted deposition. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1303-1306.	3.1	11
7417	Effect of Functional Groups at Hole Edges on Cisplatin Release from Inside Single-Wall Carbon Nanohorns. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5773-5778.	2.6	79

#	ARTICLE	IF	CITATIONS
7418	Polyaniline micro/nanofibers doped with saturation fatty acids. Synthetic Metals, 2006, 156, 454-458.	3.9	94
7419	Immobilization of avidin on the functionalized carbon nanotubes. Synthetic Metals, 2006, 156, 938-943.	3.9	38
7420	Composite film of carbon nanotubes and chitosan for preparation of amperometric hydrogen peroxide biosensor. Talanta, 2006, 68, 721-727.	5.5	235
7421	Nanosensors in environmental analysis. Talanta, 2006, 69, 288-301.	5.5	288
7422	Preparation of cobalt hexacyanoferrate nanowires using carbon nanotubes as templates. Talanta, 2006, 69, 957-962.	5.5	29
7423	Multilayer films of carbon nanotubes and redox polymer on screen-printed carbon electrodes for electrocatalysis of ascorbic acid. Talanta, 2006, 70, 556-560.	5.5	39
7424	Weak-Localization in Metallic Carbon Nanotubes. Journal of the Physical Society of Japan, 2006, 75, 024703.	1.6	20
7425	On the possible reason for enhanced superconductivity in multiwall carbon nanotubes. Low Temperature Physics, 2006, 32, 1111-1114.	0.6	4
7426	Global sensor feedback for automatic nanohandling inside a scanning electron microscope. , 2006, , 289-294.		15
7427	Optical limiters and photovoltaic devices based on C60, carbon nanotubes and their nanocomposites. , 2006, , 611-631.		5
7428	Fabrication and Structural Characterization of Ultrathin Nanoscale Wires and Particles. , 2006, , 93-129.		0
7429	Effect of Carbon Dioxide Cofeed on Decomposition of Methane over Ni Catalysts. Journal of the Japan Petroleum Institute, 2006, 49, 186-193.	0.6	13
7430	Synthesis and Characterization of LiZn Ferrite-Coated CNT via a Sol-Gel Method. Advanced Composites Letters, 2006, 15, 096369350601500.	1.3	0
7431	A Numerical Study of Transport in a Thermal Interface Material Enhanced With Carbon Nanotubes. Journal of Electronic Packaging, Transactions of the ASME, 2006, 128, 92-97.	1.8	5
7432	UHV-STM study of single-walled carbon nanotubes applied to the GaAs(110) and InAs(110) surfaces. European Physical Journal Special Topics, 2006, 132, 31-34.	0.2	6
7433	Characterization of Carbon Nanofibre Reinforced Epoxy Composite using Nanoindentation and AFM/UFM Techniques. Polymers and Polymer Composites, 2006, 14, 549-562.	1.9	6
7434	Physics and Society. , 0, , 505-531.		0
7435	ã,«ãf¼ãfœãf³ãfŠãfŽãf¥ãf¼ãf—ãf^ãf©ãf³ã,ã,1ã,ž. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2006, 57, 3		

#	ARTICLE	IF	CITATIONS
7436	Electrical Measurements with SFM-Based Techniques. , 2006, , 355-389.		0
7437	Carbon Family at the Nanoscale. , 2006, , 3-22.		6
7438	Brief Review: Basic Properties and Applications of Carbon Nanotubes. Microscopy Today, 2006, 14, 22-29.	0.3	1
7439	The Redox Behaviour of Randomly Dispersed Single Walled Carbon Nanotubes both in the Absence and in the Presence of Adsorbed Glucose Oxidase. Sensors, 2006, 6, 1791-1826.	3.8	42
7440	ã,«ãf1/4ãfœãf³ãfŠãfŽãfãfãf1/4ãf—ètãã,ãã. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2006, 57, 471-474.		
7441	Fabrication of Carbon Nanotube Tips for Scanning Tunneling Microscopy by Direct Growth Using the Microwave Plasma-Enhanced Chemical Vapor Deposition. E-Journal of Surface Science and Nanotechnology, 2006, 4, 276-279.	0.4	5
7442	SiCèj"éCã^tèSfæ³•ã«ã,ã,ã,«ãf1/4ãfœãf³ãfŠãfŽãfãfãf1/4ãf—ètœãé—ç™ãã¿œç". Hyomen Gijutsu/Journal of the Surface Finishing		
7443	Surface Functionalization of Multiwalled Carbon Nanotube with Trifluorophenyl. Journal of Nanomaterials, 2006, 2006, 1-5.	2.7	40
7444	Synthesis of carbon nanotubes by arc discharge. Tanso, 2006, 2006, 355-363.	0.1	2
7448	Nanoparticles and Other Nanomaterials. , 0, , 63-90.		0
7449	Effect of Support Particle Morphology of Ni Catalysts on Growth of Carbon Nanotubes by Methane Decomposition. Journal of the Japan Petroleum Institute, 2006, 49, 308-314.	0.6	6
7450	Light emission characterization from multiwalled carbon nanotubes under CO2 laser irradiation. , 2006, , .		0
7451	Spectroscopic Analyses of Surfaces and Thin Films. , 2006, , 411-441.		1
7452	Exploration of the Functions of Structural Ceramics. Journal of the Ceramic Society of Japan, 2006, 114, 902-904.	1.3	1
7453	Evaluation of Nonuniform Strain in Carbon Nanotube with Bend Junction. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2006, 72, 811-816.	0.2	1
7454	The Preparation of Hollow Carbon Spheres by Thermal Decomposition of Poly(tetrafluoroethylene). Bulletin of the Chemical Society of Japan, 2006, 79, 1312-1313.	3.2	2
7455	Hydrothermal Synthesis of Ultrafine Î²-FeOOH Nanorods as Cathode Materials for Lithium Ion Batteries. Chemistry Letters, 2006, 35, 1410-1411.	1.3	8
7456	Strikingly Extended Morphology of Cells Grown on Carbon Nanotubes. Chemistry Letters, 2006, 35, 508-509.	1.3	44

#	ARTICLE	IF	CITATIONS
7457	A Facile Route to Prepare Mesoporous Anatase TiO ₂ Nanotubes Assembly. Chemistry Letters, 2006, 35, 670-671.	1.3	6
7458	An Easy Approach to Fabrication of Silica Nanofibers/Nanotubes via Wrapping Sacrificial Cd(OH) ₂ Nanostrands. Chemistry Letters, 2006, 35, 1088-1089.	1.3	1
7459	Electronic Properties of Carbon Tori in External Fields. Journal of the Physical Society of Japan, 2006, 75, 104710.	1.6	5
7460	Flux Growth and Characterization of Photocatalytic Na ₂ Ti ₆ O ₁₃ Whiskers. Bulletin of the Chemical Society of Japan, 2006, 79, 1725-1728.	3.2	26
7461	Microwave-assisted Fabrication and Characterization of BaCO ₃ Nanorods. Chemistry Letters, 2006, 35, 1138-1139.	1.3	9
7462	Catalytic Chemical Vapor Deposition Preparation of Multi-wall Carbon Nanotubes with Cone-like Heads. Chemistry Letters, 2006, 35, 138-139.	1.3	19
7463	Optical and structural studies of copper nanoparticles and microfibers produced by using carbon nanotube as templates. , 2006, 6321, 80.		0
7464	Plasma modified carbon surfaces for supporting sensor architectures. , 2006, 6413, 23.		1
7467	SiCNTs. , 2006, , 1186-1190.		0
7468	The element carbon. , 2006, , 1-18.		7
7469	Synthesis of carbon nanotubes. , 2006, , 19-49.		10
7470	Carbon nanotube-enabled materials. , 2006, , 213-274.		12
7471	Functionalized carbon nanotubes in composites*. , 2006, , 275-294.		6
7472	Carbon nanotube peapod materials. , 2006, , 51-82.		4
7473	Electromechanical properties and applications of carbon nanotubes. , 2006, , 187-211.		4
7474	History of phosphor technology and industry. , 2006, , .		0
7475	Hydrogen-Based Technologies for Mobile Applications. , 2006, , 225-272.		1
7476	The Magnetic Nature of Intrinsic and Irradiation-induced Defects in Carbon Systems. , 2006, , 371-396.		5

#	ARTICLE	IF	CITATIONS
7477	Molecular-dynamics simulations of thermal transport in carbon nanotubes with structural defects. E-Journal of Surface Science and Nanotechnology, 2006, 4, 239-243.	0.4	49
7478	The third-order optical nonlinearities of carbon nanotube modified conjugated polymer in the femtosecond and nanosecond regimes. Journal of Applied Physics, 2006, 100, 094301.	2.5	10
7479	Synthesis of carbon nanotubes by a plasma based pulsed electron beam generator. Physica Scripta, 2006, T123, 145-147.	2.5	4
7480	Grand Canonical Monte Carlo Simulation Study of Hydrogen Storage in Ordered Mesoporous Carbons at 303 K. Adsorption Science and Technology, 2006, 24, 411-426.	3.2	4
7481	Processing and Characterization of Nanostructured Metal Oxides for Gas Sensing Applications. IEEE Transactions on Sensors and Micromachines, 2006, 126, 560-567.	0.1	4
7482	Synthesis, Characterization, and Hydrogen-Storage Ability of Surface-Modified Multi-Wall Carbon Nanotubes. , 2006, , 301.		0
7483	Chapter 7 Chains of sp Elements. Handbook of Metal Physics, 2006, , 97-129.	0.0	0
7484	Influence of Adsorbate Interaction on Transport in Confined Spaces. Adsorption Science and Technology, 2006, 24, 101-116.	3.2	9
7485	Growth and Hydrogen Sensing Properties Of Carbon Nanotubes Using A MEMS Process. , 0, , .		0
7486	Mechanical Properties of Double Coiled Carbon Nanotubes. , 0, , .		0
7487	Fractionation in polydisperse systems of spherocylindrical rods: the influence of attractive interactions and adjacent substrates. Molecular Physics, 2006, 104, 3693-3699.	1.7	0
7488	An Efficient and Symbolic Model for Charge Densities in Ballistic Carbon Nanotube FETs. , 0, , .		4
7489	Symmetry and structural properties of carbon nanotube quantum dots and superlattices. Journal of Physics: Conference Series, 2006, 30, 230-236.	0.4	1
7490	P-119: A Highly Precise Processes for Cathode Structure of CNT-FEDs. Digest of Technical Papers SID International Symposium, 2006, 37, 641.	0.3	1
7491	Temperature-dependent Characteristics of Carbon Nanofiber Arrays. , 2006, , .		1
7492	Mechanical-electrical characterization of carbon-nanotube thin films for structural monitoring applications. , 2006, , .		2
7493	Temperature-dependent Characteristics of Carbon Nanofiber Arrays. , 0, , .		0
7494	Effects of Catalyst Layers on Carbon Nanotubes Growth. Materials Research Innovations, 2006, 10, 346-351.	2.3	1

#	ARTICLE	IF	CITATIONS
7495	7.3: Novel Structure of Carbon Nanotubes Backlight Unit. Digest of Technical Papers SID International Symposium, 2006, 37, 71.	0.3	3
7497	NANO ELECTRO MECHANICAL SYSTEMS WITH SINGLE WALLED CARBON NANOTUBES AS FUNCTIONAL ELEMENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 97-101.	0.4	2
7498	Nanofabrication of Carbon Nanotubes Assisted with Oxygen Gas. , 0, , .		0
7500	DEVELOPMENT AND CONTROL OF A VERSATILE NANOHANDLING ROBOT CELL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 187-192.	0.4	0
7501	In-Situ TEM Observations of Carbon Nanotube Growth By The Catalytic Decomposition of Acetylene. Microscopy and Microanalysis, 2006, 12, 786-787.	0.4	1
7502	Growth of Horizontally Aligned One-Dimensional Carbon Nanotubes Array on a Si Substrate. , 2006, , .		1
7503	The synthesis of single-walled carbon nanotubes over an Al ₂ O ₃ Fe ₂ O ₃ binary aerogel catalyst. Journal of Physics: Conference Series, 2006, 26, 308-311.	0.4	3
7504	Single-walled carbon nanotubes in epoxy composites. , 2006, , 329-358.		4
7505	Sensor Technology for Scanning Probe Microscopy and New Applications. Nanoscience and Technology, 2006, , 165-203.	1.5	1
7506	Self-Assembled Nanotubes in Organic Solvents. Macromolecular Symposia, 2006, 241, 68-74.	0.7	8
7507	Computational Fluid Dynamics Simulation for On-chip Cooling with Carbon Nanotube Micro-fin Architectures. , 2006, , .		10
7508	63.1: Invited Paper: Recent Improvements in Brightness and Color Gamut of Carbon Nanotube Field Emission Display. Digest of Technical Papers SID International Symposium, 2006, 37, 1841.	0.3	12
7509	Disorder induced bands in first order Raman spectra of carbon nanowalls. , 0, , .		0
7512	Preparation of Carbon Nanotube-alginate Nanocomposite Gel for Tissue Engineering. Dental Materials Journal, 2006, 25, 719-725.	1.8	96
7513	Density functional theory method for non-equilibrium charge transport calculations: TRANSAMPA. Brazilian Journal of Physics, 2006, 36, 799-807.	1.4	51
7514	Growth of Carbon Nanotubes on Metallic Catalyst by CVD. , 2006, , 531.		0
7515	Nonlocal continuum models for carbon nanotubes subjected to static loading. Journal of Mechanics of Materials and Structures, 2006, 1, 663-680.	0.6	34
7517	Molecular Dynamics Investigation of Carbon Diffusivity in Metal Nanoparticles During CVD-Based Nanotube Fabrication Process. , 2006, , 475.		0

#	ARTICLE	IF	CITATIONS
7518	Structural Analysis by Elastic Scattering Techniques. Lecture Notes in Physics, 2006, , 131-198.	0.7	1
7519	Fabrication and Thermal Properties of Carbon Nanotube/Nickel Composite by Spark Plasma Sintering Method. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2006, 70, 721-728.	0.4	3
7520	Calculation of Potential Energy for Fe Atom around Entrance of (10,0) Carbon Nanotube. Materials Transactions, 2006, 47, 2462-2464.	1.2	1
7521	The Effect of Catalytic Metals of Various Elements in Nucleation Process of Single-Walled Carbon Nanotubes. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 2513-2518.	0.2	1
7522	The Electrophoretic Deposition of Inorganic Nanoscaled Materials-A Review-. Journal of the Ceramic Society of Japan, 2006, 114, 1-14.	1.3	128
7523	Fabrication of SiC-Based Ceramic Microstructures from Pre ceramic Polymers with Sacrificial Templates and Lithographic Techniques-A Review. Journal of the Ceramic Society of Japan, 2006, 114, 473-479.	1.3	38
7524	Thermal Properties of Carbon Nanotube/Nickel Composites Fabricated by Hetero Aggregation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2006, 70, 630-633.	0.4	7
7525	Title is missing!. Materia Japan, 2006, 45, 540-546.	0.1	1
7526	Electronic Structure Calculations of Carbon Nanomaterials. Materials Transactions, 2006, 47, 2638-2645.	1.2	2
7527	Growth of Carbon Nano-Tubes from Electric-Arc-Furnace Dust Directly. Materials Transactions, 2006, 47, 371-374.	1.2	0
7528	Hydriding Chemical Vapor Deposition of Metal Hydride Nano-Fibers. Materials Transactions, 2006, 47, 931-934.	1.2	26
7529	The formation of low-dimensional metal trihalide crystals in carbon nanotubes. Acta Crystallographica Section A: Foundations and Advances, 2006, 62, 287-295.	0.3	16
7530	Infrared absorption change in single-walled carbon nanotubes observed by combination spectroscopy of synchrotron radiation and laser. Journal of Synchrotron Radiation, 2006, 13, 464-467.	2.4	3
7531	Parameters and mechanisms governing image contrast in scanning electron microscopy of single-walled carbon nanotubes. Scanning, 2006, 28, 219-227.	1.5	18
7532	On the phenomenological nature of the work function as determined from electron field emission experiments on nanotubes and nanowires. Surface and Interface Analysis, 2006, 38, 1073-1077.	1.8	4
7533	Characterization of surface energetic heterogeneity of pure and poly (acrylic acid)-adsorbed carbon nanotubes by deconvoluting the nitrogen adsorption isotherm. Surface and Interface Analysis, 2006, 38, 1117-1121.	1.8	4
7534	In situ scanning electron microscopy of single-walled carbon nanotube growth. Surface and Interface Analysis, 2006, 38, 1743-1746.	1.8	16
7535	Multiwalled Carbon Nanotubes with Molybdenum Dioxide Nanoplugs New Chemical Nanoarchitectures by Electrochemical Modification. Small, 2006, 2, 95-98.	10.0	28

#	ARTICLE	IF	CITATIONS
7536	Silicon Nanotubes. Small, 2006, 2, 22-25.	10.0	89
7537	Metal Nanoparticles and Related Materials Supported on Carbon Nanotubes: Methods and Applications. Small, 2006, 2, 182-193.	10.0	972
7538	Chemically Modified Multiwalled Carbon Nanotubes as an Additive for Supercapacitors. Small, 2006, 2, 339-345.	10.0	37
7539	Nanoengineered Polymeric Thin Films by Sintering CNT-Coated Polystyrene Spheres. Small, 2006, 2, 220-224.	10.0	34
7540	Efficient Anchoring of Silver Nanoparticles on N-Doped Carbon Nanotubes. Small, 2006, 2, 346-350.	10.0	143
7541	Nano-Objects on a Round Trip from Water to Organics in a Polymeric Ionic Liquid Vehicle. Small, 2006, 2, 507-512.	10.0	131
7542	Conversion of a Bi Nanowire Array to an Array of Bi@Bi ₂ O ₃ Core-Shell Nanowires and Bi ₂ O ₃ Nanotubes. Small, 2006, 2, 548-553.	10.0	214
7543	Dramatic Effect of Dispersed Carbon Nanotubes on the Mechanical and Electroconductive Properties of Polymers Derived from Ionic Liquids. Small, 2006, 2, 554-560.	10.0	221
7544	Semiconductor Nanowires: From Self-Organization to Patterned Growth. Small, 2006, 2, 700-717.	10.0	715
7545	Preparation of Monodisperse, Submicrometer Carbon Spheres by Pyrolysis of Melamine-Formaldehyde Resin. Small, 2006, 2, 859-863.	10.0	154
7546	Solid-State Synthesis of Well-Defined Carbon Nanocapsules from Organometallic Precursors. Small, 2006, 2, 752-755.	10.0	25
7547	Structural Effects of Iron Oxide Nanoparticles and Iron Ions on the Hydrothermal Carbonization of Starch and Rice Carbohydrates. Small, 2006, 2, 756-759.	10.0	238
7548	Molecular-Dynamic Studies of Carbon-Water-Carbon Composite Nanotubes. Small, 2006, 2, 1348-1355.	10.0	34
7549	Electrochemically Functionalized Carbon Nanotubes and their Application to Rechargeable Lithium Batteries. Small, 2006, 2, 1075-1082.	10.0	47
7550	Carbon Nanotubes Encapsulated in Wormlike Hollow Silica Shells. Small, 2006, 2, 1174-1177.	10.0	58
7551	Synthesis and Characterization of Highly Ordered Cobalt-Magnetite Nanocable Arrays. Small, 2006, 2, 1299-1307.	10.0	38
7552	Structure and properties of multiwalled carbon nanotubes/cyanate ester composites. Polymer Engineering and Science, 2006, 46, 670-679.	3.1	16
7553	Nanomechanics of single-walled carbon nanotubes as composite reinforcement. Polymer Engineering and Science, 2006, 46, 1051-1059.	3.1	14

#	ARTICLE	IF	CITATIONS
7554	Nanoreinforcement of flexible epoxy using layered silicate. <i>Polymer Engineering and Science</i> , 2006, 46, 1667-1673.	3.1	16
7555	First principles calculation of optical and electronic properties with inclusion of exciton effects. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 3365-3372.	0.8	5
7556	Influence of the electric field on BN conical structures. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 1907-1911.	2.0	5
7557	Periodane—An unexpectedly stable molecule of unique composition. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 1865-1869.	2.0	10
7558	Endohedral carbon chains in chiral single-wall carbon nanotubes. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 2324-2330.	2.0	6
7559	Synthesis of metal (Fe or Pd)/alloy (Fe—Pd)-nanoparticles-embedded multiwall carbon nanotube/sulfonated polyaniline composites by I^3 irradiation. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3355-3364.	2.3	223
7560	Surface modification of multiwalled carbon nanotubes via nitroxide-mediated radical polymerization. <i>Journal of Polymer Science Part A</i> , 2006, 44, 4656-4667.	2.3	90
7561	Self-assembled lipid nanotube hosts: The dimension control for encapsulation of nanometer-scale guest substances. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5137-5152.	2.3	63
7562	Synthesis and characterization of conducting polythiophene/carbon nanotubes composites. <i>Journal of Polymer Science Part A</i> , 2006, 44, 5283-5290.	2.3	168
7563	Influence of multiwall carbon nanotube on physical properties of poly(ethylene 2,6-naphthalate) nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1062-1071.	2.1	90
7564	Morphological and mechanical properties of carbon nanotube/polymer composites via melt compounding. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 864-878.	2.1	157
7565	Preparation of Cu/CNT Composite Particles and Catalytic Performance on Thermal Decomposition of Ammonium Perchlorate. <i>Propellants, Explosives, Pyrotechnics</i> , 2006, 31, 452-455.	1.6	52
7566	Synthesis, structure and properties of carbon nanotube/poly(p-phenylene benzobisoxazole) composite fibres. <i>Polymer International</i> , 2006, 55, 456-465.	3.1	30
7567	Functionalization of CNT: synthesis and applications in photovoltaics and biology. <i>Journal of Physical Organic Chemistry</i> , 2006, 19, 531-539.	1.9	79
7568	Effect of iodine on morphology changes of spray deposited nanocrystalline CdSe:I, CdTe:I and HgTe:I thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 854-859.	1.8	4
7569	Carbon nanotubes as electron sources. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1058-1063.	1.8	34
7570	Carbon nanotubes for biological devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1117-1123.	1.8	4
7571	Atomic force microscopy and nanoindentation of cement pastes with nanotube dispersions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1076-1081.	1.8	177

#	ARTICLE	IF	CITATIONS
7572	Waferscale assembly of Field-Aligned nanotube Networks (FANs). Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1088-1093.	1.8	8
7573	Carbon nanotube based composites for electronic applications: CNT-conducting polymers, CNT-Cu. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1082-1087.	1.8	52
7574	Optical excitations of quasi-one-dimensional systems: carbon nanotubes versus polymers and semiconductor wires. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 3602-3610.	1.8	5
7575	Competition between the intratube curvature and intertube coupling effects in carbon nanotube bundles. Physica Status Solidi (B): Basic Research, 2006, 243, 618-624.	1.5	0
7576	Structure, stability and electronic properties of composite Mo _{1-x} Nb _x S ₂ nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 1757-1764.	1.5	46
7577	Electronic structure of Pd-covered (10,0) carbon nanotube. Physica Status Solidi (B): Basic Research, 2006, 243, 2164-2169.	1.5	6
7578	Catalytic growth of 0.4 nm single-walled carbon nanotubes aligned inside porous zeolite crystals. Physica Status Solidi (B): Basic Research, 2006, 243, 3082-3086.	1.5	7
7579	Comparative structuralâ€“vibrational study of nano-urchin and nanorods of vanadium oxide. Physica Status Solidi (B): Basic Research, 2006, 243, 3285-3289.	1.5	32
7580	Novel catalysts for low temperature synthesis of single wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3101-3105.	1.5	20
7581	Growth of calcium phosphate mineral on carbon nanotube buckypapers. Physica Status Solidi (B): Basic Research, 2006, 243, 3230-3233.	1.5	16
7582	Measurements of thermal conductivity of individual carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3385-3389.	1.5	9
7583	Aharonovâ€“Bohm effects on conductivity in carbon nanotubes: A tool for determination of a gap due to strain and curvature. Physica Status Solidi (B): Basic Research, 2006, 243, 3370-3374.	1.5	1
7584	Nanotubes â€“ grow or go?. Materials Today, 2006, 9, 64.	14.2	26
7585	Carbon Nanotube Gas Sensor Based on Corona Discharge. Chinese Journal of Analytical Chemistry, 2006, 34, 1813-1816.	1.7	10
7586	Co-Mo-K Sulfide-Based Catalyst Promoted by Multiwalled Carbon Nanotubes for Higher Alcohol Synthesis from Syngas. Chinese Journal of Catalysis, 2006, 27, 1019-1027.	14.0	36
7587	Preparation and Microstructure of Multi-Wall Carbon Nanotubes-Toughened Al ₂ O ₃ Composite. Journal of the American Ceramic Society, 2006, 89, 750-753.	3.8	117
7588	Morphologies-Controlled Synthesis and Optical Properties of Bismuth Tungstate Nanocrystals by a Low-Temperature Molten Salt Method. Journal of the American Ceramic Society, 2006, 89, 1717-1720.	3.8	13
7589	One small step. Nature, 2006, 443, 482-482.	27.8	2

#	ARTICLE	IF	CITATIONS
7590	Linker-free directed assembly of high-performance integrated devices based on nanotubes and nanowires. <i>Nature Nanotechnology</i> , 2006, 1, 66-71.	31.5	197
7591	Torsional electromechanical quantum oscillations in carbon nanotubes. <i>Nature Nanotechnology</i> , 2006, 1, 36-41.	31.5	133
7592	Inorganic nanotubes and fullerene-like nanoparticles. <i>Nature Nanotechnology</i> , 2006, 1, 103-111.	31.5	437
7593	Chemical polarization of electrons of spin-correlated radical ion pairs in nanotubes. <i>Doklady Physical Chemistry</i> , 2006, 409, 233-236.	0.9	4
7594	Deformation mechanisms for carbon and boron nitride nanotubes. <i>Inorganic Materials</i> , 2006, 42, 1336-1341.	0.8	11
7595	Electrochemical properties of bamboo-shaped multiwalled carbon nanotubes generated by solid state pyrolysis. <i>Electrochemistry Communications</i> , 2006, 8, 1099-1105.	4.7	49
7596	A sensitive amperometric bromate sensor based on multi-walled carbon nanotubes/phosphomolybdic acid composite film. <i>Electrochimica Acta</i> , 2006, 51, 4255-4261.	5.2	69
7597	Fabrication and electrochemical characterization of zinc selenide thin film by pulsed laser deposition. <i>Electrochimica Acta</i> , 2006, 52, 988-995.	5.2	41
7598	Nanocomposites of polystyrene-b-polyisoprene copolymer with layered silicates and carbon nanotubes. <i>European Polymer Journal</i> , 2006, 42, 2098-2107.	5.4	35
7599	Wave characteristics of carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2006, 43, 254-265.	2.7	137
7600	Spectral element based model for wave propagation analysis in multi-wall carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2006, 43, 279-294.	2.7	32
7601	Mechanical properties of single-walled carbon nanotubes based on higher order Cauchy-Born rule. <i>International Journal of Solids and Structures</i> , 2006, 43, 1276-1290.	2.7	131
7602	Towards a periodic table for the nanomechanical properties of the elements. <i>International Journal of Solids and Structures</i> , 2006, 43, 5647-5657.	2.7	11
7603	An approach to multi-body interactions in a continuum-atomistic context: Application to analysis of tension instability in carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2006, 43, 7609-7627.	2.7	9
7604	The interface behavior and biocatalytic activity of superoxide dismutase at carbon nanotube. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1350-1354.	10.1	20
7605	Highly selective and sensitive determination of dopamine using a Nafion/carbon nanotubes coated poly(3-methylthiophene) modified electrode. <i>Biosensors and Bioelectronics</i> , 2006, 22, 664-669.	10.1	233
7606	Carbon nanotubes-polymer-redox mediator hybrid thin film for electrocatalytic sensing. <i>Biosensors and Bioelectronics</i> , 2006, 22, 700-706.	10.1	57
7607	Electrodeposition of polypyrrole-multiwalled carbon nanotube-glucose oxidase nanobiocomposite film for the detection of glucose. <i>Biosensors and Bioelectronics</i> , 2006, 22, 495-500.	10.1	146

#	ARTICLE	IF	CITATIONS
7608	Inexpensive, upscalable nanotube growth methods. Current Applied Physics, 2006, 6, 135-140.	2.4	40
7609	Lateral force microscopy of bamboo-shaped multiwalled carbon nanotubes. Current Applied Physics, 2006, 6, 141-144.	2.4	6
7610	Tubular inorganic nanostructures. Current Applied Physics, 2006, 6, 212-215.	2.4	8
7611	A diameter-dependent separation of semiconducting from metallic single-wall carbon nanotubes by using nitronium ions. Current Applied Physics, 2006, 6, e99-e109.	2.4	11
7612	Electric detection of DNA hybridization by nanoparticle nanoswitch. Current Applied Physics, 2006, 6, e157-e160.	2.4	8
7613	Synthesis of multi-shell carbon microspheres. Carbon, 2006, 44, 190-193.	10.3	22
7614	On the origin of the high performance of MWNT-supported PtPd catalysts for the hydrogenation of aromatics. Carbon, 2006, 44, 84-98.	10.3	90
7615	Mechanical behavior of phenolic-based composites reinforced with multi-walled carbon nanotubes. Carbon, 2006, 44, 1-9.	10.3	236
7616	Carbon nanotube reinforced hydroxyapatite composite coatings produced through laser surface alloying. Carbon, 2006, 44, 37-45.	10.3	128
7617	Surfactant functionalization of carbon nanotubes (CNTs) for layer-by-layer assembling of CNT multi-layer films and fabrication of gold nanoparticle/CNT nanohybrid. Carbon, 2006, 44, 276-283.	10.3	222
7618	Prediction of carbon nanotube growth success by the analysis of carbon-catalyst binary phase diagrams. Carbon, 2006, 44, 267-275.	10.3	249
7619	Fabrication and characterization of carbon nanotube arrays using sandwich catalyst stacks. Carbon, 2006, 44, 225-230.	10.3	11
7620	Hollow nickel microspheres covered with oriented carbon nanotubes and its magnetic property. Carbon, 2006, 44, 211-215.	10.3	35
7621	Synthesis of carbon nanotubes on metal alloy substrates with voltage bias in methane inverse diffusion flames. Carbon, 2006, 44, 570-577.	10.3	112
7622	Electronic and optical properties of a nanographite ribbon in an electric field. Carbon, 2006, 44, 508-515.	10.3	90
7623	Structural and electronic properties of carbon nanowires made of linear carbon chains enclosed inside zigzag carbon nanotubes. Carbon, 2006, 44, 456-462.	10.3	33
7624	End cap nucleation of carbon nanotubes. Carbon, 2006, 44, 447-455.	10.3	40
7625	State of hydrogen molecules confined in C60 fullerene and carbon nanocapsule structures. Carbon, 2006, 44, 397-406.	10.3	67

#	ARTICLE	IF	CITATIONS
7626	Preparation, characterization and growth mechanism of platelet carbon nanofibers. Carbon, 2006, 44, 742-746.	10.3	39
7627	Controlled synthesis of carbon nanocables and branched-nanobelts. Carbon, 2006, 44, 734-741.	10.3	23
7628	MWCNT coatings obtained by thermal CVD using ethanol decomposition. Carbon, 2006, 44, 718-723.	10.3	22
7629	Activated carbon cryogels for low pressure methane storage. Carbon, 2006, 44, 590-593.	10.3	48
7630	The biocompatibility of carbon nanotubes. Carbon, 2006, 44, 1034-1047.	10.3	887
7631	A fast effective route to pH-dependent water-dispersion of oxidized single-walled carbon nanotubes. Carbon, 2006, 44, 587-590.	10.3	43
7632	Aligned millimeter-long carbon nanotube arrays grown on single crystal magnesia. Carbon, 2006, 44, 969-973.	10.3	113
7633	Pressure induced reactivity change on the side-wall of a carbon nanotube: A case study on the addition of singlet O ₂ . Carbon, 2006, 44, 928-938.	10.3	10
7634	Respiratory toxicity of carbon nanotubes: How worried should we be?. Carbon, 2006, 44, 1048-1056.	10.3	130
7635	Microstructural and electrochemical characterization of RuO ₂ /CNT composites synthesized in supercritical diethyl amine. Carbon, 2006, 44, 888-893.	10.3	56
7636	Annealing of template nanotubes to well-graphitized multi-walled carbon nanotubes. Carbon, 2006, 44, 814-818.	10.3	19
7637	X-ray absorption near-edge structure and photoelectron spectroscopy of single-walled carbon nanotubes modified by a HBr solution. Carbon, 2006, 44, 866-872.	10.3	38
7638	Growth of carbon nanofibers on activated carbon fiber fabrics. Carbon, 2006, 44, 859-865.	10.3	126
7639	Etching effects of ethanol on multi-walled carbon nanotubes. Carbon, 2006, 44, 1218-1224.	10.3	61
7640	Measurement of functionalised carbon nanotube carboxylic acid groups using a simple chemical process. Carbon, 2006, 44, 1137-1141.	10.3	239
7641	Highly dispersed multi-walled carbon nanotubes in ethanol using potassium doping. Carbon, 2006, 44, 1491-1495.	10.3	44
7642	High-yield synthesis of carbon nanotubes using a water-soluble catalyst support in catalytic chemical vapor deposition. Carbon, 2006, 44, 1343-1345.	10.3	66
7643	Semi-continuous production of multiwalled carbon nanotubes using magnetic field assisted arc furnace. Carbon, 2006, 44, 1511-1517.	10.3	19

#	ARTICLE	IF	CITATIONS
7644	Physical properties of novel free-standing polymer‐nanotube thin films. Carbon, 2006, 44, 1525-1529.	10.3	41
7645	Differences between carbon nanofibers produced using Fe and Ni catalysts in a floating catalyst reactor. Carbon, 2006, 44, 1572-1580.	10.3	200
7646	Tearing, folding and deformation of a carbon‐carbon sp ² -bonded network. Carbon, 2006, 44, 1544-1547.	10.3	27
7647	Intermetallic catalyst for carbon nanotubes (CNTs) growth by thermal chemical vapor deposition method. Carbon, 2006, 44, 1808-1820.	10.3	166
7648	Covalent functionalization of single walled carbon nanotubes with peptide nucleic acid: Nanocomponents for molecular level electronics. Carbon, 2006, 44, 1730-1739.	10.3	95
7649	Surface oxygen complexes as governors of neopentane sorption in multiwalled carbon nanotubes. Carbon, 2006, 44, 1665-1672.	10.3	17
7650	The removal of encapsulated catalyst particles from carbon nanotubes using molten salts. Carbon, 2006, 44, 1699-1705.	10.3	26
7651	Electrochemical and physical chemical properties of sp ² carbon microrods. Carbon, 2006, 44, 1718-1724.	10.3	3
7652	Analysis of effluent gases during the CCVD growth of multi-wall carbon nanotubes from acetylene. Carbon, 2006, 44, 2032-2038.	10.3	34
7653	The role of free radical condensates in the production of carbon nanotubes during the hydrocarbon CVD process. Carbon, 2006, 44, 1653-1660.	10.3	68
7654	Fabrication and electrochemical properties of carbon nanotube film electrodes. Carbon, 2006, 44, 1963-1968.	10.3	144
7655	Effects of carbon film roughness on growth of carbon nanotip arrays by plasma-enhanced hot filament chemical vapor deposition. Carbon, 2006, 44, 1949-1953.	10.3	20
7656	Preparation and characterisation of single-walled carbon nanotubes functionalised with amines. Carbon, 2006, 44, 1891-1897.	10.3	97
7657	Preparation of activated carbon honeycomb monolith directly from coal. Carbon, 2006, 44, 1598-1601.	10.3	22
7658	Band structure and absorption spectrum of double-walled zigzag carbon nanotubes in an electric field. Carbon, 2006, 44, 2323-2329.	10.3	15
7659	Synthesis of carbon‐silica shell-core hybrid structures and carbon nanoshells by a template method. Carbon, 2006, 44, 1595-1598.	10.3	7
7660	Fabrication of patterned catalyst films for carbon nanotube by selective electroless deposition. Carbon, 2006, 44, 1862-1866.	10.3	1
7661	Effects of surface modification on rheological and mechanical properties of CNT/epoxy composites. Carbon, 2006, 44, 1898-1905.	10.3	468

#	ARTICLE	IF	CITATIONS
7662	Kinetic study of carbon nanotube synthesis over Mo/Co/MgO catalysts. Carbon, 2006, 44, 2265-2272.	10.3	135
7663	Small but strong: A review of the mechanical properties of carbon nanotube-polymer composites. Carbon, 2006, 44, 1624-1652.	10.3	3,611
7664	The effect of feedstock and process conditions on the synthesis of high purity CNTs from aromatic hydrocarbons. Carbon, 2006, 44, 2236-2245.	10.3	55
7665	A method for characterization and quantification of platelet graphite nanofiber edge crystal structure. Carbon, 2006, 44, 2184-2190.	10.3	9
7666	Unusual ignition behavior of polyurethane/carbon nanotube composites with a He-Ne laser excitation (632.8 nm) during micro-Raman spectroscopy. Carbon, 2006, 44, 2191-2195.	10.3	22
7667	A simple route for the synthesis of coral-like accretion of hollow carbon microspheres with thin walls. Carbon, 2006, 44, 2171-2177.	10.3	13
7668	Single- and multi-wall carbon nanotubes produced using the floating catalyst method: Synthesis, purification and hydrogen up-take. Carbon, 2006, 44, 2160-2170.	10.3	84
7669	Amorphous carbon nanotubes fabricated by low-temperature chemical vapor deposition. Carbon, 2006, 44, 1859-1862.	10.3	22
7670	Single-walled carbon nanotubes grown on natural minerals. Carbon, 2006, 44, 2139-2141.	10.3	23
7672	Solvothermal preparation of amorphous carbon nanotubes and Fe/C coaxial nanocables from sulfur, ferrocene, and benzene. Carbon, 2006, 44, 2844-2848.	10.3	51
7673	Effect of H ₂ O adsorption on the electrical transport properties of double-walled carbon nanotubes. Carbon, 2006, 44, 2155-2159.	10.3	51
7674	Control on the diameter of single-walled carbon nanotubes by changing the pressure in floating catalyst CVD. Carbon, 2006, 44, 1853-1859.	10.3	49
7675	Freestanding vertically oriented single-walled carbon nanotubes synthesized using microwave plasma-enhanced CVD. Carbon, 2006, 44, 2758-2763.	10.3	32
7676	The cutting of multi-walled carbon nanotubes and their strong interfacial interaction with polyamide 6 in the solid state. Carbon, 2006, 44, 2708-2714.	10.3	90
7677	Electrochemical behavior of glassy carbon electrodes modified by multi-walled carbon nanotube/surfactant films in a buffer solution and an ionic liquid. Carbon, 2006, 44, 2664-2670.	10.3	22
7678	Synthesis of carbon nanocapsules containing Fe, Ni or Co by arc discharge in aqueous solution. Carbon, 2006, 44, 2631-2634.	10.3	82
7679	Buckling and postbuckling analysis of single-walled carbon nanotubes in thermal environments via molecular dynamics simulation. Carbon, 2006, 44, 2608-2616.	10.3	131
7680	Fabrication of suspended carbon microstructures by e-beam writer and pyrolysis. Carbon, 2006, 44, 2602-2607.	10.3	52

#	ARTICLE	IF	CITATIONS
7681	Integration of carbon nanotubes with controllable inclination angle into microsystems. Carbon, 2006, 44, 3030-3036.	10.3	4
7682	Electro-catalytic oxidation of CO on Pt catalyst supported on carbon nanotubes pretreated with oxidative acids. Carbon, 2006, 44, 2973-2983.	10.3	97
7683	Computation of the static polarizabilities of multi-wall carbon nanotubes and fullerites using a Gaussian regularized point dipole interaction model. Carbon, 2006, 44, 2883-2895.	10.3	38
7684	Narrow multi-walled carbon nanotubes produced by chemical vapor deposition using graphene layer encapsulated catalytic metal particles. Carbon, 2006, 44, 3336-3341.	10.3	40
7685	Reversible filling of single walled carbon nanotubes opened by alkali hydroxides. Carbon, 2006, 44, 2855-2858.	10.3	31
7686	Ultrasonic-assisted preparation of carbon nanotube/cerium oxide composites. Carbon, 2006, 44, 2853-2855.	10.3	37
7687	Formation and transformation of carbon-encapsulated iron carbide/iron nanorods. Carbon, 2006, 44, 2849-2852.	10.3	46
7688	A multi-step treatment to effective purification of single-walled carbon nanotubes. Carbon, 2006, 44, 3293-3301.	10.3	61
7689	Electrophoretic deposition of carbon nanotubes. Carbon, 2006, 44, 3149-3160.	10.3	624
7690	High yield one-step synthesis of carbon spheres produced by dissociating individual hydrocarbons at their autogenic pressure at low temperatures. Carbon, 2006, 44, 3285-3292.	10.3	75
7691	Flame nanotube synthesis in moderate electric fields: From alignment and growth rate effects to structural variations and branching phenomena. Carbon, 2006, 44, 3308-3314.	10.3	26
7692	Studies on electrochemical behaviors of acyclovir and its voltammetric determination with nano-structured film electrode. Analytica Chimica Acta, 2006, 576, 17-22.	5.4	43
7693	Chemically modified carbon nanotubes as material enhanced laser desorption ionisation (MELDI) material in protein profiling. Analytica Chimica Acta, 2006, 561, 32-39.	5.4	55
7694	Optical properties and photonic devices of doped carbon nanotubes. Analytica Chimica Acta, 2006, 568, 161-170.	5.4	41
7695	Tensile and compressive properties of carbon nanotube bundles. Acta Materialia, 2006, 54, 225-231.	7.9	88
7696	Effects of initial stress on non-coaxial resonance of multi-wall carbon nanotubes. Acta Materialia, 2006, 54, 2067-2074.	7.9	83
7697	Carbon nanotube-filled polymer composites. Numerical simulation of electrical conductivity in three-dimensional entangled fibrous networks. Acta Materialia, 2006, 54, 2923-2931.	7.9	226
7698	Zinc oxide nanoparticle decorated multi-walled carbon nanotubes and their optical properties. Acta Materialia, 2006, 54, 5401-5407.	7.9	83

#	ARTICLE	IF	CITATIONS
7699	Field emission properties and synthesis of carbon nanotubes grown by rf plasma-enhanced chemical vapor deposition. Applied Surface Science, 2006, 252, 2938-2943.	6.1	8
7700	Cutting of multi walled carbon nanotubes. Applied Surface Science, 2006, 252, 2944-2948.	6.1	75
7701	New aspects on pulsed laser deposition of aligned carbon nanotubes. Applied Surface Science, 2006, 252, 4819-4823.	6.1	13
7702	Study of ZnO-coated SnO ₂ nanostructures synthesized by a two-step process. Applied Surface Science, 2006, 253, 510-514.	6.1	17
7703	AC-impedance response of multi-walled carbon nanotube/cement composites. Cement and Concrete Composites, 2006, 28, 509-519.	10.7	146
7704	Selective formation of Fe-included carbon nanocapsules and nanotubes by fall-to-stop pyrolysis reactor with ferrocene. Chemical Engineering and Processing: Process Intensification, 2006, 45, 555-558.	3.6	9
7705	Atomic hydrogen transmission through five-membered carbon ring by the mechanism of non-adiabatic tunneling. Chemical Physics, 2006, 324, 721-732.	1.9	10
7706	Fullerenes connected nanotubes: An approach to build multidimensional carbon nanocomposites. Chemical Physics, 2006, 331, 85-91.	1.9	11
7707	Determination of four benzodiazepine residues in pork using multiwalled carbon nanotube solid-phase extraction and gas chromatography-mass spectrometry. Journal of Chromatography A, 2006, 1136, 99-105.	3.7	73
7708	The role of surfactants in dispersion of carbon nanotubes. Advances in Colloid and Interface Science, 2006, 128-130, 37-46.	14.7	1,224
7709	Enhanced colloidal properties of single-wall carbon nanotubes in β -terpineol and Texanol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 273, 161-164.	4.7	32
7710	Optical trapping carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 284-285, 369-372.	4.7	5
7711	Assembly of Prussian blue onto SiO ₂ nanoparticles and carbon nanotubes by electrostatic interaction. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 278, 123-128.	4.7	21
7712	Mechanical properties of SWNT/epoxy composites using two different curing cycles. Composites Part B: Engineering, 2006, 37, 273-277.	12.0	81
7713	Coiled carbon nanotubes: Synthesis and their potential applications in advanced composite structures. Composites Part B: Engineering, 2006, 37, 437-448.	12.0	152
7714	Introduction to carbon nanotube and nanofiber smart materials. Composites Part B: Engineering, 2006, 37, 382-394.	12.0	348
7715	A critical review on nanotube and nanotube/nanoclay related polymer composite materials. Composites Part B: Engineering, 2006, 37, 425-436.	12.0	440
7716	A progressive fracture model for carbon nanotubes. Composites Part B: Engineering, 2006, 37, 662-669.	12.0	85

#	ARTICLE	IF	CITATIONS
7717	Fundamental aspects of nano-reinforced composites. Composites Science and Technology, 2006, 66, 3115-3125.	7.8	541
7718	The reinforcement role of carbon nanotubes in epoxy composites with different matrix stiffness. Composites Science and Technology, 2006, 66, 599-603.	7.8	196
7719	Preparation and properties of the polyimide/multi-walled carbon nanotubes (MWNTs) nanocomposites. Composites Science and Technology, 2006, 66, 548-554.	7.8	262
7720	Microstructure of carbon nanotubes/PET conductive composites fibers and their properties. Composites Science and Technology, 2006, 66, 1022-1029.	7.8	148
7721	Nanotube mechanics – Recent progress in shell buckling mechanics and quantum electromechanical coupling. Composites Science and Technology, 2006, 66, 1141-1150.	7.8	21
7722	Prediction of Young's modulus of single wall carbon nanotubes by molecular-mechanics based finite element modelling. Composites Science and Technology, 2006, 66, 1597-1605.	7.8	273
7723	Carbon nanotube-reinforced polyurethane composite fibers. Composites Science and Technology, 2006, 66, 3029-3034.	7.8	163
7724	The mechanical properties of MWNT/PMMA nanocomposites fabricated by modified injection molding. Composite Structures, 2006, 76, 406-410.	5.8	47
7725	Effect of multi-wall carbon nanotubes on the mechanical properties of natural rubber. Composite Structures, 2006, 75, 496-500.	5.8	136
7726	An essential role of CO ₂ and H ₂ O during single-walled CNT synthesis from carbon monoxide. Chemical Physics Letters, 2006, 417, 179-184.	2.6	144
7727	Electronic structures and hydrogenation of a chiral single-wall (6,4) carbon nanotube: A density functional theory study. Chemical Physics Letters, 2006, 418, 40-45.	2.6	11
7728	Simple thermal evaporation route to synthesize Zn and Cd metal nanowires. Chemical Physics Letters, 2006, 419, 174-178.	2.6	37
7729	Simulation of carbon nanotube growth at optimized temperature. Chemical Physics Letters, 2006, 419, 154-157.	2.6	7
7730	Layer-by-layer assembly of RNA/single-walled carbon nanotube nanocomposites. Chemical Physics Letters, 2006, 419, 574-577.	2.6	42
7731	Efficient coating of N-doped carbon nanotubes with polystyrene using atomic transfer radical polymerization. Chemical Physics Letters, 2006, 419, 567-573.	2.6	53
7732	Orientation dependence of diffraction intensities from helical structures. Chemical Physics Letters, 2006, 420, 171-176.	2.6	7
7733	Large-scale synthesis of carbon spheres by reduction of supercritical CO ₂ with metallic calcium. Chemical Physics Letters, 2006, 421, 584-588.	2.6	29
7734	NMR study of water adsorption in single-walled carbon nanotubes. Chemical Physics Letters, 2006, 421, 513-517.	2.6	42

#	ARTICLE	IF	CITATIONS
7735	Growth of MgO nanowires assisted by the annealing treatment of Au-coated substrates. Chemical Physics Letters, 2006, 422, 165-169.	2.6	72
7736	Synthesis, photoluminescence and field emission properties of In ₂ O ₃ nanowires. Chemical Physics Letters, 2006, 422, 424-428.	2.6	29
7737	Low-temperature synthesis of single-walled carbon nanotubes with a narrow diameter distribution using size-classified catalyst nanoparticles. Chemical Physics Letters, 2006, 422, 481-487.	2.6	70
7738	Determination of the single wall carbon nanotube opening ratio by means of rare gas adsorption. Chemical Physics Letters, 2006, 423, 183-186.	2.6	8
7739	Mechanism of carbon nanotube growth by CVD. Chemical Physics Letters, 2006, 424, 126-132.	2.6	97
7740	Ultralong single-crystal TiO ₂ -B nanowires: Synthesis and electrochemical measurements. Chemical Physics Letters, 2006, 424, 316-320.	2.6	44
7741	Synthesis and characterization of long strands of nitrogen-doped single-walled carbon nanotubes. Chemical Physics Letters, 2006, 424, 345-352.	2.6	198
7742	Preparation of carbon nanotubes over cobalt-containing catalysts via catalytic decomposition of methane. Chemical Physics Letters, 2006, 426, 345-350.	2.6	64
7743	Synthesis and spectroscopic characterization of single-wall carbon nanotubes wrapped by glycoconjugate polymer with bioactive sugars. Chemical Physics Letters, 2006, 428, 98-101.	2.6	30
7744	High resolution NMR of water absorbed in single-wall carbon nanotubes. Chemical Physics Letters, 2006, 428, 143-147.	2.6	57
7745	Catalyst excitation by radio frequency for improved carbon nanotubes synthesis. Chemical Physics Letters, 2006, 429, 204-208.	2.6	65
7746	Conformational behavior of semi-flexible polymers confined to a cylindrical surface. Chemical Physics Letters, 2006, 430, 84-88.	2.6	47
7747	Molecular dynamics studies of protein-fragment models encapsulated into carbon nanotubes. Chemical Physics Letters, 2006, 430, 97-100.	2.6	38
7748	Density functional theory study of single-wall platinum nanotubes. Chemical Physics Letters, 2006, 430, 319-322.	2.6	9
7749	Polymerization of conducting polymers inside carbon nanotubes. Chemical Physics Letters, 2006, 431, 139-144.	2.6	41
7750	Direct growth of the multi-walled carbon nanotubes as a tool to detect ammonia at room temperature. Chemical Physics Letters, 2006, 433, 175-181.	2.6	55
7751	Third harmonic generation of semiconductor carbon nanotubes. Chemical Physics Letters, 2006, 433, 101-104.	2.6	11
7752	Integral equation theory of hard sphere liquids on two-dimensional cylindrical surfaces. Chemical Physics, 2006, 321, 111-118.	1.9	0

#	ARTICLE	IF	CITATIONS
7753	On the influence of diameter and length on the properties of armchair single-walled carbon nanotubes: A theoretical chemistry approach. <i>Chemical Physics</i> , 2006, 327, 159-170.	1.9	42
7754	Calculation of transient CIDEP spectra of spin-correlated radical pairs in nanotubes. <i>Chemical Physics</i> , 2006, 328, 75-84.	1.9	4
7755	Separation of carbon nanotubes in aqueous medium by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2006, 1128, 282-289.	3.7	56
7756	Multiwalled carbon nanotubes coated fibers for solid-phase microextraction of polybrominated diphenyl ethers in water and milk samples before gas chromatography with electron-capture detection. <i>Journal of Chromatography A</i> , 2006, 1137, 8-14.	3.7	276
7757	Factors affecting the electrochemical performance of vanadium oxide nanotube cathode materials. <i>Electrochemistry Communications</i> , 2006, 8, 1693-1698.	4.7	35
7758	Dispersion of single walled carbon nanotubes. Comparison of different dispersing strategies for preparation of modified electrodes toward hydrogen peroxide detection. <i>Electrochemistry Communications</i> , 2006, 8, 899-903.	4.7	87
7759	Electrochemical characteristics of facile prepared carbon nanotubes-ionic liquid gel modified microelectrode and application in bioelectrochemistry. <i>Electrochemistry Communications</i> , 2006, 8, 1429-1434.	4.7	71
7760	Oxygen reduction on gold nanoparticle/multi-walled carbon nanotubes modified glassy carbon electrodes in acid solution. <i>Electrochemistry Communications</i> , 2006, 8, 1475-1480.	4.7	77
7761	Studies on electrochemical properties of MWNTs-Nafion composite films based on the redox behavior of incorporated Eu ³⁺ by voltammetry and electrochemical impedance spectroscopy. <i>Electrochimica Acta</i> , 2006, 51, 3013-3021.	5.2	41
7762	Preparation and electrochemical property of three-phase gas-diffusion oxygen electrodes for metal air battery. <i>Electrochimica Acta</i> , 2006, 51, 5654-5659.	5.2	15
7763	Electronic structure and surface structure of Cu ₂ S nanorods from polarization dependent X-ray absorption spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2006, 151, 64-70.	1.7	4
7764	Application of dielectrophoresis to fabrication of carbon nanohorn gas sensor. <i>Journal of Electrostatics</i> , 2006, 64, 408-415.	1.9	52
7765	Glass-fibre-reinforced composites with enhanced mechanical and electrical properties - Benefits and limitations of a nanoparticle modified matrix. <i>Engineering Fracture Mechanics</i> , 2006, 73, 2346-2359.	4.3	334
7766	Bending and shear moduli of single-walled carbon nanotubes. <i>Finite Elements in Analysis and Design</i> , 2006, 42, 404-413.	3.2	108
7767	Carbon nanotubes by spray pyrolysis of turpentine oil at different temperatures and their studies. <i>Microporous and Mesoporous Materials</i> , 2006, 96, 184-190.	4.4	91
7768	Layered growth of aligned carbon nanotubes arrays on silicon wafers. <i>Journal of Molecular Catalysis A</i> , 2006, 247, 52-57.	4.8	12
7769	Catalytic influence of mesoporous Co-MCM-41 molecular sieves for the synthesis of SWNTs via CVD method. <i>Journal of Molecular Catalysis A</i> , 2006, 256, 193-199.	4.8	39
7770	Nanomechanics on the deformation of single- and multi-walled carbon nanotubes under radial pressure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 416, 192-204.	5.6	32

#	ARTICLE	IF	CITATIONS
7771	Crystalline boron nanowires grown by magnetron sputtering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 434, 53-57.	5.6	6
7772	Study of aluminum powder as transition metal catalyst carrier for CVD synthesis of carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 441, 266-270.	5.6	17
7773	Nanoscale modeling of an embedded multi-shell fullerene and its application to vibrational analysis. International Journal of Engineering Science, 2006, 44, 1156-1163.	5.0	15
7774	The electrochemical properties of LaNi ₅ electrodes doped with multi-walled carbon nanotubes synthesized by chemical vapor deposition and treated at different temperatures in a nitrogen atmosphere. Physica B: Condensed Matter, 2006, 373, 131-135.	2.7	4
7775	Electronic structure of defects and quantum transport in carbon nanotubes. Physica B: Condensed Matter, 2006, 376-377, 7-10.	2.7	19
7776	The structure and electronic property of BN nanotube. Physica B: Condensed Matter, 2006, 381, 90-95.	2.7	51
7777	Transformation behavior of layered LaOCl to La(OH) ₃ nanostructures in water. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 133, 77-83.	3.5	8
7778	Nickel sulfide nanotubes formed by a directional infiltration self-assembly route in AAO templates. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 133, 167-171.	3.5	49
7779	Biological effects of nanoparticulate materials. Materials Science and Engineering C, 2006, 26, 1421-1427.	7.3	45
7780	Carbon nanotubes synthesis in microwave plasma torch at atmospheric pressure. Materials Science and Engineering C, 2006, 26, 1189-1193.	7.3	27
7781	Single-walled carbon nanotubes nanocomposite microacoustic organic vapor sensors. Materials Science and Engineering C, 2006, 26, 1165-1170.	7.3	27
7782	Growth of carbon nanotubes on glass substrate by MPECVD. Materials Science and Engineering C, 2006, 26, 1215-1218.	7.3	13
7783	Polyazomethine/carbon nanotube composites. Materials Science and Engineering C, 2006, 26, 1198-1201.	7.3	15
7784	Structural and mechanical properties of polymer nanocomposites. Materials Science and Engineering Reports, 2006, 53, 73-197.	31.8	1,234
7785	Biocompatible nanofiber scaffolds on metal for controlled release and cell colonization. Nanomedicine: Nanotechnology, Biology, and Medicine, 2006, 2, 248-252.	3.3	22
7786	Carbon nanotube growth mechanism investigated by ion beam analysis. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 523-526.	1.4	8
7787	Broadband optical limiting performance of polymer-wrapped carbon nanotubes in the orange-NIR region. Optics Communications, 2006, 265, 354-358.	2.1	11
7788	Controlled trapping and rotation of carbon nanotube bundle with optical tweezers. Optics Communications, 2006, 267, 260-263.	2.1	13

#	ARTICLE	IF	CITATIONS
7789	New organometallic precursor catalysts applied to MWCNT synthesis by spray-pyrolysis. Optical Materials, 2006, 29, 134-139.	3.6	14
7790	Adsorption of nicotine and tar from the mainstream smoke of cigarettes by oxidized carbon nanotubes. Applied Surface Science, 2006, 252, 2933-2937.	6.1	55
7791	Simulation and fabrication of carbon nanotubes field emission pressure sensors. Applied Surface Science, 2006, 252, 4198-4201.	6.1	10
7792	Carbon nanotubes based nanocomposites for photocurrent improvement. Applied Surface Science, 2006, 252, 5575-5578.	6.1	40
7793	Study on effects of substrate temperature on growth and structure of alignment carbon nanotubes in plasma-enhanced hot filament chemical vapor deposition system. Applied Surface Science, 2006, 253, 904-908.	6.1	8
7794	Rapid synthesis of novel flowerlike ZnO structures by thermolysis of zinc acetate. Applied Surface Science, 2006, 253, 909-914.	6.1	11
7795	Studies on vacuum microelectronic pressure sensors based on carbon nanotubes arrays. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 31, 1-4.	2.7	10
7796	Structural and electronic properties of bamboo-like carbon nanostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 31, 62-66.	2.7	10
7797	Nanoelectromechanical carbon nanotube memory analysis. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 33, 41-49.	2.7	18
7798	Low-energy electronic properties of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 33, 57-65.	2.7	8
7799	Electronic excitations of double-walled armchair carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 569-572.	2.7	4
7800	Dielectric screening for carbon nanotubes in a gating electric field. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 577-580.	2.7	2
7801	Electronic properties of armchair carbon nanotube array. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 581-584.	2.7	4
7802	Ab initio studies of elastic properties and electronic structures of C and BN nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 33, 155-159.	2.7	29
7803	Electronic decay rates in semiconducting carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 658-661.	2.7	3
7804	Electronic and optical properties of finite carbon nanotubes in a static electric field. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 670-673.	2.7	4
7805	Conductance of twisted carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 674-677.	2.7	6
7806	Molecular dynamics simulation of thermal conductivity of single-wall carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 350, 150-153.	2.1	65

#	ARTICLE	IF	CITATIONS
7807	Effects of intertube interaction on the linear optical properties of the double-walled carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 105-108.	2.1	2
7808	Theory of thermal conductance in carbon nanotube composites. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 353, 194-197.	2.1	39
7809	Channeling star effect with bundles of carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 354, 457-461.	2.1	14
7810	K2SO4 nanowires a good nanostructured template. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 355, 222-227.	2.1	5
7811	Small scale effect on elastic buckling of carbon nanotubes with nonlocal continuum models. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 357, 130-135.	2.1	189
7812	Electron decay rates in a zero-gap graphite layer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 357, 401-406.	2.1	9
7813	Functionalization of silicon-doped single walled carbon nanotubes at the doping site: An ab initio study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 358, 166-170.	2.1	12
7814	In situ polymerization approach to multiwalled carbon nanotubes-reinforced nylon 1010 composites: Mechanical properties and crystallization behavior. Polymer, 2006, 47, 113-122.	3.8	212
7815	Low percolation thresholds of electrical conductivity and rheology in poly(ethylene terephthalate) through the networks of multi-walled carbon nanotubes. Polymer, 2006, 47, 480-488.	3.8	434
7816	Morphology and mechanical and electrical properties of oriented PVA/VGCF and PVA/MWNT composites. Polymer, 2006, 47, 1308-1317.	3.8	134
7817	Ultra-strong gel-spun UHMWPE fibers reinforced using multiwalled carbon nanotubes. Polymer, 2006, 47, 1604-1611.	3.8	191
7818	Evaluation and identification of electrical and thermal conduction mechanisms in carbon nanotube/epoxy composites. Polymer, 2006, 47, 2036-2045.	3.8	1,004
7819	Large deformation mechanical behavior of flexible nanofiber filled polymer nanocomposites. Polymer, 2006, 47, 2802-2812.	3.8	63
7820	Nylon 610 and carbon nanotube composite by in situ interfacial polymerization. Polymer, 2006, 47, 3961-3966.	3.8	92
7821	Rheological and electrical properties of polycarbonate/multi-walled carbon nanotube composites. Polymer, 2006, 47, 4434-4439.	3.8	157
7822	Relationship between structure and dynamic mechanical properties of a carbon nanofiber reinforced elastomeric nanocomposite. Polymer, 2006, 47, 6797-6807.	3.8	17
7823	Multiwalled carbon nanotube/polybenzoxazine nanocomposites: Preparation, characterization and properties. Polymer, 2006, 47, 7711-7719.	3.8	119
7824	Preparation of electrospun nanofibers of carbon nanotube/polycaprolactone nanocomposite. Polymer, 2006, 47, 8019-8025.	3.8	172

#	ARTICLE	IF	CITATIONS
7825	Tribological behaviour of UHMWPE/HDPE blends reinforced with multi-wall carbon nanotubes. <i>Polymer Testing</i> , 2006, 25, 221-229.	4.8	182
7826	Carbon structures in silicon carbide derived carbon. <i>Journal of Materials Processing Technology</i> , 2006, 179, 11-22.	6.3	94
7827	Aspects of tube and pipe manufacturing processes: Meter to nanometer diameter. <i>Journal of Materials Processing Technology</i> , 2006, 179, 5-10.	6.3	55
7828	The size and space arrangement roles on coercivity of electrodeposited Co _{1-x} Cu _x nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 303, e304-e307.	2.3	11
7829	Synthesis of multi-walled carbon nanotubes catalyzed by substituted ferrocenes. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 4768-4772.	1.8	24
7830	Electrochemical study of lincomycin on a multi-wall carbon nanotubes modified glassy carbon electrode and its determination in tablets. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 41, 820-824.	2.8	28
7831	One-dimensional nanomaterials of vanadium and molybdenum oxides. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 896-902.	4.0	33
7832	High pressure Raman spectroscopy of single-walled carbon nanotubes: Effect of chemical environment on individual nanotubes and the nanotube bundle. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 2468-2472.	4.0	24
7833	Close-conjugation of quantum dots and gold nanoparticles to sidewall functionalized single-walled carbon nanotube templates. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 183, 315-321.	3.9	15
7834	Porphyrin photochemistry in inorganic/organic hybrid materials: Clays, layered semiconductors, nanotubes, and mesoporous materials. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2006, 7, 104-126.	11.6	245
7835	Redox behavior of nanohybrid material with defined morphology: Vanadium oxide nanotubes intercalated with polyaniline. <i>Journal of Power Sources</i> , 2006, 156, 533-540.	7.8	42
7836	Large scale hydrothermal synthesis and electrochemistry of ammonium vanadium bronze nanobelts. <i>Journal of Power Sources</i> , 2006, 157, 528-532.	7.8	61
7837	Electrochemical capacitance of nanocomposite films formed by loading carbon nanotubes with ruthenium oxide. <i>Journal of Power Sources</i> , 2006, 159, 1527-1531.	7.8	81
7838	The role of carbon in fuel cells. <i>Journal of Power Sources</i> , 2006, 156, 128-141.	7.8	548
7839	Hydrogen storage by carbon materials. <i>Journal of Power Sources</i> , 2006, 159, 781-801.	7.8	646
7840	Electrocatalytic oxidation of formaldehyde on palladium nanoparticles supported on multi-walled carbon nanotubes. <i>Journal of Power Sources</i> , 2006, 162, 1094-1098.	7.8	94
7841	Synthesis of nickel nanoparticles and carbon encapsulated nickel nanoparticles supported on carbon nanotubes. <i>Journal of Solid State Chemistry</i> , 2006, 179, 91-95.	2.9	77
7842	Formation of star-shaped calcite crystals with Mg ²⁺ inorganic mineralizer without organic template. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1247-1252.	2.9	19

#	ARTICLE	IF	CITATIONS
7843	Template synthesis and characterization of PbTiO ₃ nanowire arrays from aqueous solution. Journal of Solid State Chemistry, 2006, 179, 1421-1425.	2.9	29
7844	Growth of La ₂ CuO ₄ nanofibers under a mild condition by using single walled carbon nanotubes as templates. Journal of Solid State Chemistry, 2006, 179, 2036-2040.	2.9	11
7845	Ultrasonic synthesis of polyaniline nanotubes containing Fe ₃ O ₄ nanoparticles. Journal of Solid State Chemistry, 2006, 179, 2609-2615.	2.9	104
7846	Timoshenko beam model for vibration analysis of multi-walled carbon nanotubes. Journal of Sound and Vibration, 2006, 294, 1060-1072.	3.9	222
7847	Analysis of nonlinear vibration for embedded carbon nanotubes. Journal of Sound and Vibration, 2006, 296, 746-756.	3.9	192
7848	Studies of bromine modified single-walled carbon nanotubes using photoelectron spectroscopy and density-functional theory. Radiation Physics and Chemistry, 2006, 75, 1939-1942.	2.8	5
7849	Molecularly imprinted polypyrrole modified carbon nanotubes on stainless steel frit for selective micro solid phase pre-concentration of ochratoxin A. Reactive and Functional Polymers, 2006, 66, 702-711.	4.1	48
7850	Non-contact measurement of CNT compounding ratio in composite material by eddy current method. Sensors and Actuators A: Physical, 2006, 129, 235-238.	4.1	5
7851	Selective local synthesis of nanowires on a microreactor chip. Sensors and Actuators A: Physical, 2006, 130-131, 625-632.	4.1	17
7852	Oxygen functionalisation of MWNT and their use as gas sensitive thick-film layers. Sensors and Actuators B: Chemical, 2006, 113, 36-46.	7.8	155
7853	Detection of H ₂ S down to ppb levels at room temperature using sensors based on ZnO nanorods. Sensors and Actuators B: Chemical, 2006, 113, 320-323.	7.8	326
7854	Amperometric third-generation hydrogen peroxide biosensor incorporating multiwall carbon nanotubes and hemoglobin. Sensors and Actuators B: Chemical, 2006, 114, 364-370.	7.8	82
7855	Amperometric aqueous sol-gel biosensor for low-potential stable choline detection at multi-wall carbon nanotube modified platinum electrode. Sensors and Actuators B: Chemical, 2006, 115, 626-633.	7.8	92
7856	Voltammetric behavior and determination of phenylephrine at a glassy carbon electrode modified with multi-wall carbon nanotubes. Sensors and Actuators B: Chemical, 2006, 119, 308-314.	7.8	48
7857	Electroactive films of heme protein-coated multiwalled carbon nanotubes. Journal of Colloid and Interface Science, 2006, 296, 204-211.	9.4	66
7858	Growth mechanism of ZnO nanocrystals with Zn-rich from dots to rods. Journal of Colloid and Interface Science, 2006, 298, 172-176.	9.4	13
7859	Surfactant-assisted fabrication PbS nanorods, nanobelts, nanovelvet-flowers and dendritic nanostructures at lower temperature in aqueous solution. Journal of Colloid and Interface Science, 2006, 301, 503-510.	9.4	46
7860	Photoluminescence and Raman behaviors of ZnO nanostructures with different morphologies. Journal of Crystal Growth, 2006, 289, 55-58.	1.5	85

#	ARTICLE	IF	CITATIONS
7861	Tip-to-tip growth of aligned single-walled carbon nanotubes under an electric field. Journal of Crystal Growth, 2006, 290, 171-175.	1.5	22
7862	Growth of nanowires from annealing SiBONC nanopowders. Journal of Crystal Growth, 2006, 290, 466-472.	1.5	16
7863	Synthesis of single-crystalline CeB6 nanowires. Journal of Crystal Growth, 2006, 291, 112-116.	1.5	45
7864	Growth of microtubular complexes as precursors to synthesize nanocrystalline ZnS and CdS. Journal of Crystal Growth, 2006, 291, 45-51.	1.5	55
7865	Growth of novel nanostructured copper oxide (CuO) films on copper foil. Journal of Crystal Growth, 2006, 291, 479-484.	1.5	79
7866	Synthesis of single-crystal vanadium dioxide nanosheets by the hydrothermal process. Journal of Crystal Growth, 2006, 296, 1-5.	1.5	15
7867	Water-soluble single-walled carbon nanotubes films: Preparation, characterization and applications as electrochemical sensing films. Journal of Electroanalytical Chemistry, 2006, 586, 77-85.	3.8	58
7868	Formation of micron-sized and nanometer-sized single crystal alumina whiskers by displacement reactions. Journal of the European Ceramic Society, 2006, 26, 1561-1565.	5.7	9
7869	Micromechanical analysis of the effective elastic properties of carbon nanotube reinforced composites. Mechanics of Materials, 2006, 38, 884-907.	3.2	425
7870	Carbon nanotubes for integration into nanocomposite materials. Microelectronic Engineering, 2006, 83, 1542-1546.	2.4	14
7871	Template synthesis of carbon nanotubes from porous alumina matrix on silicon. Microelectronic Engineering, 2006, 83, 2432-2436.	2.4	12
7872	Field-emission lighting tube with CNT film cathode. Microelectronics Journal, 2006, 37, 1358-1360.	2.0	23
7873	Synthesis of mesoporous carbon composite and its electric double-layer formation behavior. Microporous and Mesoporous Materials, 2006, 93, 232-239.	4.4	37
7874	Reorientational dynamics of cholesterol molecules in thin film surrounded carbon nanotube: Molecular dynamics simulations. Journal of Molecular Structure, 2006, 792-793, 216-220.	3.6	16
7875	High temperature electrical and thermal properties of the bulk carbon nanotube prepared by SPS. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 420, 208-211.	5.6	48
7876	An anelastic spectroscopy investigation of carbon nanotubes produced by the high-pressure CO method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 442, 314-318.	5.6	1
7877	Carbon nanotubes assisted biomimetic synthesis of hydroxyapatite from simulated body fluid. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 426, 202-207.	5.6	82
7878	Controlled synthesis of copper nanostructures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 433, 257-260.	5.6	2

#	ARTICLE	IF	CITATIONS
7879	Preparation of carbon nanotubes by DC arc discharge process under reduced pressure in an air atmosphere. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 133, 241-244.	3.5	35
7880	Synthesis, characterization and electrical properties of poly(o-toluidine)/multi-walled carbon nanotube composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 135, 10-14.	3.5	15
7881	Effects of proton irradiation on thermal stability of single-walled carbon nanotubes mat. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 245, 431-434.	1.4	21
7882	Carbon nanotube silica glass composites in thin films by the sol-gel technique. <i>Optical Materials</i> , 2006, 28, 167-171.	3.6	37
7883	Biocompatible titania microtubes formed by nanoparticles and its application in the drug delivery of valproic acid. <i>Optical Materials</i> , 2006, 29, 70-74.	3.6	19
7884	Energetics and electronic structure of acetylene molecules encapsulated inside a carbon nanotube: A density functional theory study. <i>Optical Materials</i> , 2006, 29, 150-152.	3.6	2
7885	A review on highly ordered, vertically oriented TiO ₂ nanotube arrays: Fabrication, material properties, and solar energy applications. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 2011-2075.	6.2	1,834
7886	One-dimensional structures of Bi ₂ O ₃ synthesized via metalorganic chemical vapor deposition process. <i>Solid State Communications</i> , 2006, 137, 196-198.	1.9	24
7887	Growth of vertically aligned single crystal ZnO nanotubes by plasma-molecular beam epitaxy. <i>Solid State Communications</i> , 2006, 137, 182-186.	1.9	27
7888	Raman scattering characterization of vertical aligned 1D IrO ₂ nanocrystals grown on single crystal oxide substrates. <i>Solid State Communications</i> , 2006, 137, 310-314.	1.9	14
7889	First-principles study of single-walled armchair C _x (BN) _y nanotubes. <i>Solid State Communications</i> , 2006, 137, 549-552.	1.9	17
7890	Synthesis and characteristics of NiO nanoparticles by thermal decomposition of nickel dimethylglyoximate rods. <i>Solid State Communications</i> , 2006, 137, 581-584.	1.9	112
7891	Synthesis and Raman scattering study of double-walled carbon nanotube peapods. <i>Solid State Communications</i> , 2006, 137, 654-657.	1.9	13
7892	Low-temperature specific heat of double wall carbon nanotubes. <i>Solid State Communications</i> , 2006, 138, 516-520.	1.9	10
7893	Comparative study of lower fullerenes doped with boron and nitrogen. <i>Solid State Communications</i> , 2006, 138, 498-501.	1.9	9
7894	Growth of multiwalled carbon nanotubes from acetylene over in situ formed Co nanoparticles on MgO support. <i>Solid State Communications</i> , 2006, 139, 102-107.	1.9	10
7895	Formation of Y-junction carbon nanotubes by catalytic CVD of methane. <i>Solid State Communications</i> , 2006, 140, 248-250.	1.9	14
7896	A facile route to FeS nanowires via an infiltration process. <i>Solid State Communications</i> , 2006, 140, 325-328.	1.9	7

#	ARTICLE	IF	CITATIONS
7897	Growth temperature effect on field emission properties of printable carbon nanotubes cathode. Solid-State Electronics, 2006, 50, 800-804.	1.4	12
7898	Synthesis of ultra long vertically aligned carbon nanotubes using the rapid heating and cooling system in the thermal chemical vapor deposition process. Surface and Coatings Technology, 2006, 200, 3215-3219.	4.8	31
7899	Synthesis of nanosized flake carbons by RF-chemical vapor method. Surface and Coatings Technology, 2006, 200, 3190-3193.	4.8	13
7900	Growth of high-quality single-walled carbon nanotubes through the thermal chemical vapor deposition using co-sputtering Fe-Mo films as catalysts. Surface and Coatings Technology, 2006, 200, 3199-3202.	4.8	8
7901	Pressure effect of low-temperature growth of multi-wall carbon nanotubes on Nickel catalyst/barrier-coated glass by thermal-CVD. Surface and Coatings Technology, 2006, 200, 3220-3223.	4.8	7
7902	Controlled growth of Fe catalyst film for synthesis of vertically aligned carbon nanotubes by glancing angle deposition. Surface and Coatings Technology, 2006, 201, 938-942.	4.8	23
7903	Atomistics of friction. Surface Science Reports, 2006, 60, 159-201.	7.2	55
7904	Metastable BC ₃ honeycomb epitaxial sheets on the NbB ₂ (0001) surface. Surface Science, 2006, 600, 4072-4076.	1.9	20
7905	Thermo-physical properties of epoxy nanocomposites reinforced by carbon nanotubes and vapor grown carbon fibers. Thermochimica Acta, 2006, 442, 67-73.	2.7	86
7906	Solid-state tubular assemblies of thiolactones: synthesis and structural characterization. Tetrahedron, 2006, 62, 2868-2876.	1.9	11
7907	An energy-equivalent model on studying the mechanical properties of single-walled carbon nanotubes. Thin-Walled Structures, 2006, 44, 667-676.	5.3	91
7908	In situ transmission electron microscopy observations of individually selected freestanding carbon nanotubes during field emission. Ultramicroscopy, 2006, 106, 902-908.	1.9	7
7909	Synthesis of amorphous carbon nanoparticles and carbon encapsulated metal nanoparticles in liquid benzene by an electric plasma discharge in ultrasonic cavitation field. Ultrasonics Sonochemistry, 2006, 13, 6-12.	8.2	22
7910	Growth control of carbon nanotubes by plasma-enhanced chemical vapor deposition and reactive ion etching. Vacuum, 2006, 80, 798-801.	3.5	7
7911	Vapor growth of novel carbon submicro-fibers with a tile-like form and carbon nanofibers with a zigzag form. Vacuum, 2006, 81, 385-388.	3.5	1
7912	Field emission characteristics of an individual carbon nanotube inside a field emission-scanning electron microscope. Vacuum, 2006, 81, 422-426.	3.5	2
7913	Boron and MgB ₂ analogs of fullerenes and carbon nanotubes: A density functional theory study. Computational and Theoretical Chemistry, 2006, 771, 111-115.	1.5	15
7914	Analytical applications of carbon nanotubes: a review. TrAC - Trends in Analytical Chemistry, 2006, 25, 480-489.	11.4	662

#	ARTICLE	IF	CITATIONS
7915	Dry friction and wear characteristics of nickel/carbon nanotube electroless composite deposits. Tribology International, 2006, 39, 22-28.	5.9	161
7916	Preparation and tribological properties of the carbon nanotubesâ€“Niâ€“P composite coating. Tribology International, 2006, 39, 953-957.	5.9	60
7917	Template-assisted synthesis of mesoporous tubular carbon nanostructure by chemical vapor infiltration method. Thin Solid Films, 2006, 498, 193-197.	1.8	13
7918	High efficiency microwave digestion purification of multi-walled carbon nanotubes synthesized by thermal chemical vapor deposition. Thin Solid Films, 2006, 498, 202-205.	1.8	36
7919	Characteristics of carbonaceous materials with nanotubes grown by hot-filament plasma-enhanced chemical vapor deposition method. Thin Solid Films, 2006, 501, 238-242.	1.8	3
7920	Synthesis of multi-walled carbon nanotubes by combining hot-wire and dc plasma-enhanced chemical vapor deposition. Thin Solid Films, 2006, 501, 227-232.	1.8	26
7921	Production of single-wall carbon nanotubes by a XeCl excimer laser ablation. Thin Solid Films, 2006, 506-507, 255-258.	1.8	29
7922	Production and application of reactive plasmas using helicon-wave discharge in very low magnetic fields. Thin Solid Films, 2006, 506-507, 550-554.	1.8	10
7923	Growth mechanism for carbon nanotubes in a plasma evaporation process. Thin Solid Films, 2006, 506-507, 263-267.	1.8	13
7924	Optimization of field emission properties of carbon nanotubes by Taguchi method. Thin Solid Films, 2006, 496, 299-305.	1.8	30
7925	Carbon nanostructures by Hot Filament Chemical Vapor Deposition: Growth, properties, applications. Thin Solid Films, 2006, 501, 8-14.	1.8	25
7926	Gas sensing properties of tin dioxide coated onto multi-walled carbon nanotubes. Thin Solid Films, 2006, 497, 355-360.	1.8	88
7927	Field emission properties of carbon nanotubes with different morphologies. Thin Solid Films, 2006, 500, 124-128.	1.8	23
7928	Role of carbon atoms in plasma-enhanced chemical vapor deposition for carbon nanotubes synthesis. Thin Solid Films, 2006, 515, 1314-1319.	1.8	5
7929	Controlled density of vertically aligned carbon nanotubes in a triode plasma chemical vapor deposition system. Thin Solid Films, 2006, 515, 1380-1384.	1.8	32
7930	Growth and microstructures of carbon nanotube films prepared by microwave plasma enhanced chemical vapor deposition process. Thin Solid Films, 2006, 515, 1552-1560.	1.8	43
7931	Enhanced field emission characteristics of nitrogen-doped carbon nanotube films grown by microwave plasma enhanced chemical vapor deposition process. Thin Solid Films, 2006, 515, 1851-1856.	1.8	83
7932	Room-temperature deposition of carbon nanomaterials by excimer laser ablation. Thin Solid Films, 2006, 515, 1142-1146.	1.8	26

#	ARTICLE	IF	CITATIONS
7933	Controlled Synthesis of Double- and Multiwall Silver Nanotubes with Template Organogel from a Bolaamphiphile. <i>Langmuir</i> , 2006, 22, 775-779.	3.5	107
7934	Polymer Crystallization-Driven, Periodic Patterning on Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2006, 128, 1692-1699.	13.7	366
7935	Structural Aspects of Fullerene ChemistryA Journey through Fullerene Chirality. <i>Chemical Reviews</i> , 2006, 106, 5049-5135.	47.7	472
7936	Thermogravimetric Analysis of Synthesis Variation Effects on CVD Generated Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 1179-1186.	2.6	109
7937	Ferroelectric thin films: Review of materials, properties, and applications. <i>Journal of Applied Physics</i> , 2006, 100, .	2.5	1,480
7938	Silicon adsorption in defective carbon nanotubes: a first principles study. <i>Nanotechnology</i> , 2006, 17, 4088-4091.	2.6	4
7939	Tantalum disulfide nanobelts: preparation, superconductivity and field emission. <i>Nanotechnology</i> , 2006, 17, 201-205.	2.6	38
7940	Colloids Seeded Deposition:Å Growth of Titania Nanotubes in Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 11042-11043.	13.7	38
7941	Structural and electronic properties of 4Å...carbon nanotubes on Si(001) surfaces. <i>Physical Review B</i> , 2006, 74, .	3.2	23
7942	Interaction of a Transition Metal Atom with Intrinsic Defects in Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13941-13946.	2.6	63
7943	Comparative Study of Hydrogen Adsorption on Carbon and BN Nanotubes. <i>Journal of Physical Chemistry B</i> , 2006, 110, 13363-13369.	2.6	157
7944	Carbon nanotubes: Surface, porosity, and related applications. , 2006, , 323-359.		2
7945	Carbon nanotube and epoxy composites for military applications. , 2006, , 633-675.		7
7946	Group of Carbon. , 2006, , 147-155.		0
7947	A Review of Carbon Nanotube Toxicity and Assessment of Potential Occupational and Environmental Health Risks. <i>Critical Reviews in Toxicology</i> , 2006, 36, 189-217.	3.9	1,049
7948	Characteristics of Carbon Nanoparticles Synthesized by a Submerged Arc in Alcohols, Alkanes, and Aromatics. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18299-18306.	2.6	33
7949	Synthesis of Heterogenous Multi-Walled Carbon Nanotubes in a Carbon Arc in Water. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2006, 14, 207-213.	2.1	4
7950	Anomalous Coiling of SiGe/Si and SiGe/Si/Cr Helical Nanobelts. <i>Nano Letters</i> , 2006, 6, 1311-1317.	9.1	163

#	ARTICLE	IF	CITATIONS
7951	Preparation of water-soluble carbon nanotubes using a pulsed streamer discharge in water. Nanotechnology, 2006, 17, 3421-3427.	2.6	51
7952	C28fulleritesâ€™ structure, electronic properties and intercalates. Physical Chemistry Chemical Physics, 2006, 8, 3320-3325.	2.8	31
7953	Chemistry of Carbon Nanotubes. Chemical Reviews, 2006, 106, 1105-1136.	47.7	3,905
7954	Electrical properties of single-wall carbon nanotube-polymer composite films. Journal of Applied Physics, 2006, 99, 084302.	2.5	228
7955	Polymorphism and Structure of Carbons. Lecture Notes in Physics, 2006, , 1-47.	0.7	5
7956	Formation of Positively Charged Copper Hydroxide Nanostrands and Their Structural Characterization. Chemistry of Materials, 2006, 18, 1795-1802.	6.7	66
7957	Aggregation and Deposition Kinetics of Fullerene (C60) Nanoparticles. Langmuir, 2006, 22, 10994-11001.	3.5	634
7958	Polymer Nanocomposites Containing Carbon Nanotubes. Macromolecules, 2006, 39, 5194-5205.	4.8	3,134
7959	Carbon-Nanotube-Based Hybrid Materials: Nanopeapods. Chemistry - an Asian Journal, 2006, 1, 646-655.	3.3	58
7960	Path to Bio-Nano-Information Fusion. Annals of the New York Academy of Sciences, 2006, 1093, 123-142.	3.8	3
7961	Electronic structure of niobium-doped molybdenum disulfide nanotubes. Russian Journal of Inorganic Chemistry, 2006, 51, 320-324.	1.3	13
7962	Nonempirical calculations of the electronic properties of new boron nitride graphyne-like nanotubes. Russian Journal of Physical Chemistry A, 2006, 80, 372-379.	0.6	12
7963	Nanotube-based nanoelectromechanical systems. Journal of Experimental and Theoretical Physics, 2006, 103, 449-462.	0.9	11
7964	Geometric structure and electronic properties of planar and nanotubular BN structures of the Haackelite type. Physics of the Solid State, 2006, 48, 192-198.	0.6	6
7965	Adsorption on the graphene surface of carbon nanotubes and their energy spectrum. Physics of the Solid State, 2006, 48, 605-613.	0.6	8
7966	On the morphology of carbon nanotubes growing on a nanoporous substrate from catalyst particles. Physics of the Solid State, 2006, 48, 1616-1623.	0.6	0
7967	Production of carbon nanotubes by self-propagating high-temperature synthesis. Technical Physics, 2006, 51, 231-235.	0.7	2
7968	On the mechanism of carbon nanotube formation in electrochemical processes. Technical Physics, 2006, 51, 349-355.	0.7	2

#	ARTICLE	IF	CITATIONS
7969	Chemical modification of carbon nanotubes. Mendelev Communications, 2006, 16, 61-66.	1.6	44
7970	Œ-Electronic Soft Materials Based on Graphitic Nanostructures. Polymer Journal, 2006, 38, 743-756.	2.7	18
7971	Diffraction of oriented nano-peapods. European Physical Journal B, 2006, 49, 147-155.	1.5	10
7972	Viscoelastic properties of multiwalled carbon nanotube solutions. European Physical Journal B, 2006, 50, 491-496.	1.5	3
7973	Influence of heat bath on the heat conductivity in disordered anharmonic chain. European Physical Journal B, 2006, 54, 185-188.	1.5	11
7974	Geometry and electronic properties of single vacancies in achiral carbon nanotubes. European Physical Journal B, 2006, 54, 243-247.	1.5	13
7975	Electronic and Magnetic Properties of Nanographites. , 2006, , 279-304.		6
7976	Dependence of the cytotoxicity of multi-walled carbon nanotubes on the culture medium. Nanotechnology, 2006, 17, 4668-4674.	2.6	87
7977	Dispersion rheology of carbon nanotubes in a polymer matrix. Physical Review B, 2006, 73, .	3.2	223
7978	Controlling Supramolecular Topology â€” The Art of Building Supermolecules. , 2006, , 45-74.		0
7979	Joule heating induced negative differential resistance in freestanding metallic carbon nanotubes. Applied Physics Letters, 2006, 89, 103102.	3.3	38
7980	Effects of confinement on freezing and melting. Journal of Physics Condensed Matter, 2006, 18, R15-R68.	1.8	614
7981	Infrared Spectroscopy of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2006, 110, 12388-12393.	2.6	47
7982	Particulate nanomedicines†. Advanced Drug Delivery Reviews, 2006, 58, 1451-1455.	13.7	43
7983	Interaction in fullereneâ€”ammonia system at 423â€”773 K. Russian Chemical Bulletin, 2006, 55, 222-224.	1.5	0
7984	Operator separation of variables for adiabatic problems in quantum and wave mechanics. Journal of Engineering Mathematics, 2006, 55, 183-237.	1.2	74
7985	Strength and crack properties of nanoscale materials by ab initio molecular dynamics and temperature lattice Greenâ€™s function methods. International Journal of Fracture, 2006, 139, 437-454.	2.2	1
7986	Studying the properties of carbon nanotubes with the functional integration method. Theoretical and Mathematical Physics(Russian Federation), 2006, 149, 1407-1423.	0.9	0

#	ARTICLE	IF	CITATIONS
7987	Carbon nanomaterials with controlled macroscopic shapes as new catalytic materials. Topics in Catalysis, 2006, 40, 49-63.	2.8	55
7988	Quantitative Non-Covalent Functionalization of Carbon Nanotubes. Journal of Cluster Science, 2006, 17, 599-608.	3.3	21
7989	Pore structures of multi-walled carbon nanotubes activated by air, CO ₂ and KOH. Journal of Porous Materials, 2006, 13, 141-146.	2.6	51
7990	Catalyst effect of metal cations on pyrolysis of hydrocarbon molecules and formation of carbon nanotubes in the channels of AlPO ₄₋₅ crystals. Journal of Porous Materials, 2006, 13, 291-295.	2.6	1
7991	Ab initio calculations of structure and stability of small boron nitride clusters. Journal of Structural Chemistry, 2006, 47, 1016-1021.	1.0	20
7992	Multi-walled carbon nanotubes formed by condensed-phase conversions of Fe-C-based nanopowder in vacuum. European Physical Journal D, 2006, 56, E51-E61.	0.4	1
7993	Thermophysical Properties of Multi-Walled Carbon Nanotube-Reinforced Polypropylene Composites. International Journal of Thermophysics, 2006, 27, 152-160.	2.1	18
7994	Progress in the synthesis of carbon nanotube- and nanofiber-supported Pt electrocatalysts for PEM fuel cell catalysis. Journal of Applied Electrochemistry, 2006, 36, 507-522.	2.9	383
7995	A simple method to prepare boron suboxide fibres. Journal of Electroceramics, 2006, 17, 817-820.	2.0	4
7996	Single crystal growth of one-dimensional GaN nanostructures by halide vapor-phase epitaxy. Journal of Electroceramics, 2006, 17, 903-907.	2.0	17
7997	Attachment of inorganic nanoparticles onto carbon nanotubes. Journal of Electroceramics, 2006, 17, 91-94.	2.0	26
7998	MgO nanofibres via an electrospinning technique. Journal of Materials Science, 2006, 41, 3821-3824.	3.7	47
7999	Hydrothermal synthesis and characterization of novel aloe-like SnS ₂ nanostructures. Journal of Materials Science, 2006, 41, 3489-3492.	3.7	16
8000	Irradiation of carbon nanotubes with a focused electron beam in the electron microscope. Journal of Materials Science, 2006, 41, 4505-4511.	3.7	53
8001	Synthesis and characterization of molybdenum disulfide micro-sized solid spheres. Journal of Materials Science, 2006, 41, 5682-5686.	3.7	15
8002	Morphology and modulus of vapor grown carbon nano fibers. Journal of Materials Science, 2006, 41, 5851-5856.	3.7	59
8003	Production of single and multi-walled carbon nanotubes using natural gas as a precursor compound. Journal of Materials Science, 2006, 41, 7288-7295.	3.7	31
8004	Dispersion of modified carbon nanotubes in 1-butyl-3-methyl imidazolium tetrafluoroborate. Journal of Materials Science, 2006, 41, 3123-3126.	3.7	6

#	ARTICLE	IF	CITATIONS
8005	Synthesis of polygonal Au by a facile route. Journal of Materials Science, 2006, 41, 2545-2546.	3.7	2
8006	The synthesis of polygonal Au by a facile route. Journal of Materials Science, 2006, 41, 3131-3133.	3.7	0
8007	Fabrication and characterization of Zr and Co co-doped LiMn ₂ O ₄ nanowires using sol-gel AAO template process. Journal of Materials Science: Materials in Electronics, 2006, 17, 865-870.	2.2	12
8008	Effects of activation temperature on the electrochemical capacitance of activated carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2006, 17, 373-377.	2.2	3
8009	Studying electrical transport in carbon nanotubes by conductance atomic force microscopy. Journal of Materials Science: Materials in Electronics, 2006, 17, 475-482.	2.2	12
8010	Catalytic synthesis of carbon nanotubes over ordered mesoporous matrices. Journal of Thermal Analysis and Calorimetry, 2006, 86, 109-114.	3.6	7
8011	Influence of high vacuum annealing treatment on some properties of carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2006, 86, 115-119.	3.6	21
8012	Multiwall carbon nanotube/epoxy composites produced by a masterbatch process. Mechanics of Composite Materials, 2006, 42, 395-406.	1.4	69
8013	Multiwalled carbon nanotubes mass-produced by dc arc discharge in He-H ₂ gas mixture. Journal of Nanoparticle Research, 2006, 8, 279-285.	1.9	10
8014	The seminal literature of nanotechnology research. Journal of Nanoparticle Research, 2006, 8, 193-213.	1.9	71
8015	Synthesis and characterization of Gd(OH) ₃ nanobundles. Journal of Nanoparticle Research, 2006, 8, 755-760.	1.9	7
8016	Effect of Thermal Treatment on the Structure of Multi-walled Carbon Nanotubes. Journal of Nanoparticle Research, 2006, 8, 615-625.	1.9	197
8017	Voltammetric Determination of Folic Acid with a Multi-Walled Carbon Nanotube-Modified Gold Electrode. Mikrochimica Acta, 2006, 152, 285-290.	5.0	103
8018	Carbon Nanotubes in Analytical Sciences. Mikrochimica Acta, 2006, 152, 157-174.	5.0	245
8019	Control of the Properties of Carbon Nanotubes Synthesized by CVD for Application in Electrochemical Biosensors. Mikrochimica Acta, 2006, 152, 239-247.	5.0	23
8020	Electrochemical Determination of 10-Hydroxycamptothecin Using a Multi-Wall Carbon Nanotube-Modified Electrode. Mikrochimica Acta, 2006, 152, 255-260.	5.0	15
8021	Applications of Carbon Nanotubes in Electrochemical DNA Biosensors. Mikrochimica Acta, 2006, 152, 175-186.	5.0	88
8022	Electrodeposition of Platinum Nanoparticles on Multi-Walled Carbon Nanotubes for Electrocatalytic Oxidation of Methanol. Mikrochimica Acta, 2006, 152, 267-275.	5.0	56

#	ARTICLE	IF	CITATIONS
8023	Glucose Biosensor Based on the Use of a Carbon Nanotube Paste Electrode Modified with Metallic Particles. <i>Mikrochimica Acta</i> , 2006, 152, 277-283.	5.0	40
8024	Chemically Modified Carbon Nanotubes for Use in Electroanalysis. <i>Mikrochimica Acta</i> , 2006, 152, 187-214.	5.0	336
8025	Assemble-Electrodeposited Ultrathin Conducting Poly(Azure A) at a Carbon Nanotube-Modified Glassy Carbon Electrode, and its Electrocatalytic Properties to the Reduction of Nitrite. <i>Mikrochimica Acta</i> , 2006, 155, 379-386.	5.0	32
8026	Electrically developed morphology of carbon nanoparticles in suspensions monitored by in situ optical observations under sinusoidal electric field. <i>Colloid and Polymer Science</i> , 2006, 284, 562-567.	2.1	4
8027	Magnetic nanocomposites based on cyclodextrin-containing molecular tubes and iron nanoparticles. <i>Colloid and Polymer Science</i> , 2006, 284, 795-801.	2.1	11
8028	Melt shear rheology of carbon nanofiber/polystyrene composites. <i>Rheologica Acta</i> , 2006, 45, 919-941.	2.4	53
8029	Non-Linear Dynamic Response of a Single Wall Carbon Nanotube Subjected to Radial Impulse. <i>Archive of Applied Mechanics</i> , 2006, 76, 145-158.	2.2	3
8030	High-performance electric double-layer capacitors using mass-produced multi-walled carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 82, 559-565.	2.3	22
8031	On the effects of solution and reaction parameters for the aerosol-assisted CVD growth of long carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 82, 719-725.	2.3	26
8032	Field enhancement factor for an array of MWNTs in CNT paste. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 377-383.	2.3	39
8033	Controlled synthesis of trigonal selenium nanowires via a facile solution route. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 281-284.	2.3	15
8034	Shell buckling behavior investigation of individual gallium nitride hollow nanocolumn. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 84, 439-443.	2.3	4
8035	Possible role of charge transport in enhanced carbon nanotube growth. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 85, 109-116.	2.3	7
8036	Heat transfer during production of carbon nanotubes by the electric-arc process. <i>Heat and Mass Transfer</i> , 2006, 42, 470-477.	2.1	16
8037	The dispersion stability of multi-walled carbon nanotubes in the presence of poly(styrene/ β -methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	17
8038	Effects of morphology on the electrical and mechanical properties of the polycarbonate/multi-walled carbon nanotube composites. <i>Macromolecular Research</i> , 2006, 14, 456-460.	2.4	45
8039	Nano-oncology: drug delivery, imaging, and sensing. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 620-630.	3.7	424
8040	Determination of dopamine in rat striatum by microdialysis and high-performance liquid chromatography with electrochemical detection on a functionalized multi-wall carbon nanotube electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 1308-1313.	3.7	36

#	ARTICLE	IF	CITATIONS
8041	Selective detection of dopamine in the presence of ascorbic acid by use of glassy-carbon electrodes modified with both polyaniline film and multi-walled carbon nanotubes with incorporated β -cyclodextrin. Analytical and Bioanalytical Chemistry, 2006, 386, 2087-2094.	3.7	122
8042	Electron-transfer properties of different carbon nanotube materials, and their use in glucose biosensors. Analytical and Bioanalytical Chemistry, 2006, 387, 303-309.	3.7	72
8043	Thickness determination of a nanofilm by means of a temperature factor. Optical Materials, 2006, 29, 116-121.	3.6	1
8044	Unique nucleation of multi-walled carbon nanotube and poly(ethylene 2,6-naphthalate) nanocomposites during non-isothermal crystallization. Polymer, 2006, 47, 1379-1389.	3.8	144
8045	A XANES characterization of structural defects in single-walled carbon nanotubes. Radiation Physics and Chemistry, 2006, 75, 1861-1865.	2.8	9
8046	β -Cyclodextrin incorporated carbon nanotube-modified electrode as an electrochemical sensor for rutin. Sensors and Actuators B: Chemical, 2006, 114, 94-100.	7.8	120
8047	Schottky-type response of carbon nanotube NO ₂ gas sensor fabricated onto aluminum electrodes by dielectrophoresis. Sensors and Actuators B: Chemical, 2006, 114, 943-949.	7.8	124
8048	Voltammetric behavior and determination of rutin at a single-walled carbon nanotubes modified gold electrode. Sensors and Actuators B: Chemical, 2006, 115, 240-246.	7.8	126
8049	Novel lactate and pH biosensor for skin and sweat analysis based on single walled carbon nanotubes. Sensors and Actuators B: Chemical, 2006, 117, 308-313.	7.8	85
8050	Optimization of a NO _x gas sensor based on single walled carbon nanotubes. Sensors and Actuators B: Chemical, 2006, 118, 226-231.	7.8	66
8051	Carbon nanotubes thin films fiber optic and acoustic VOCs sensors: Performances analysis. Sensors and Actuators B: Chemical, 2006, 118, 232-242.	7.8	70
8052	Sea-urchin-like ZnO nanostructures on Si by oxidation of Zn metal powders: Structural and optical properties. Superlattices and Microstructures, 2006, 39, 145-152.	3.1	16
8053	NMR spectroscopy of hydrogen adsorption on single-walled carbon nanotubes after exposure to high pressure. Solid State Nuclear Magnetic Resonance, 2006, 29, 125-131.	2.3	9
8054	Solubilization of single-walled carbon nanotubes with condensed aromatic compounds. Science and Technology of Advanced Materials, 2006, 7, 609-616.	6.1	57
8055	Oxygen contaminants affecting on the electronic structures of the carbon nano tubes grown by rapid thermal chemical vapor deposition. Surface Science, 2006, 600, 3729-3733.	1.9	31
8056	surfaces. Surface Science, 2006, 600, 4077-4080.	1.9	7
8057	Room-temperature growth of carbon nanofibers on plastic substrates. Surface Science, 2006, 600, 3663-3667.	1.9	29
8058	Low temperature growth of carbon nanotubes on printing electrodes by MPCVD. Thin Solid Films, 2006, 498, 198-201.	1.8	12

#	ARTICLE	IF	CITATIONS
8059	Oriented growth of suspended single wall carbon nanotube by Hot Filament CVD. Thin Solid Films, 2006, 501, 221-223.	1.8	10
8060	Heterogeneous hydroxylation catalyzed by multi-walled carbon nanotubes at low temperature. Applied Catalysis A: General, 2006, 299, 212-217.	4.3	61
8061	Synthesis and diameter control of multi-walled carbon nanotubes over gold nanoparticle catalysts. Applied Catalysis A: General, 2006, 302, 201-207.	4.3	27
8062	Synthesis of GaN nanowires on gold-coated substrates by pulsed laser ablation. Current Applied Physics, 2006, 6, 403-406.	2.4	14
8063	Selective purification of multiwalled carbon nanotubes by dielectrophoresis within a large array. Current Applied Physics, 2006, 6, 427-431.	2.4	16
8064	Conductivity of single-walled carbon nanotubes deposited by composite electric-field guided assembly (CEGA) method. Current Applied Physics, 2006, 6, e161-e165.	2.4	3
8065	Theoretical calculations on the catalytic growth of multiwall carbon nanotube in chemical vapor deposition. Chemical Physics, 2006, 327, 434-438.	1.9	16
8066	The role of nano-contacts in electrical transport through a molecular wire. Chemical Physics, 2006, 330, 287-294.	1.9	11
8067	First-principles study of field emission properties of gas adsorption on the carbon nanotubes. Chemical Physics, 2006, 330, 417-422.	1.9	16
8068	On the effective thermal conductivity of carbon nanotube reinforced polymer composites. Composites Science and Technology, 2006, 66, 1703-1712.	7.8	104
8069	Fabrication of poly(toluidine blue O)/carbon nanotube composite nanowires and its stable low-potential detection of NADH. Journal of Electroanalytical Chemistry, 2006, 595, 152-160.	3.8	107
8070	Fabrication of 9,10-phenanthrenequinone/carbon nanotubes composite modified electrode and its electrocatalytic property to the reduction of iodate. Journal of Electroanalytical Chemistry, 2006, 597, 39-42.	3.8	29
8071	Electroreduction of oxygen on multi-walled carbon nanotubes modified highly oriented pyrolytic graphite electrodes in alkaline solution. Journal of Electroanalytical Chemistry, 2006, 597, 119-126.	3.8	94
8072	Atomic structures and formation mechanism of boron nitride nanotubes and nanohorns synthesized by arc-melting LaB6 powders. Journal of the European Ceramic Society, 2006, 26, 435-441.	5.7	14
8073	Atomic structures of bamboo-type boron nitride nanotubes with cup-stacked structures. Journal of the European Ceramic Society, 2006, 26, 443-448.	5.7	12
8074	Syntheses and catalytic activities of single-wall carbon nanotubes-supported nickel (II) metallocarboranes for olefin polymerization. Journal of Physics and Chemistry of Solids, 2006, 67, 1218-1222.	4.0	22
8075	First-principle molecular-dynamics study of hydrogen adsorption on an aluminum-doped carbon nanotube. Journal of Power Sources, 2006, 163, 125-134.	7.8	19
8076	A low-temperature synthesis of ultraviolet-light-emitting ZnO nanotubes and tubular whiskers. Journal of Solid State Chemistry, 2006, 179, 843-848.	2.9	30

#	ARTICLE	IF	CITATIONS
8077	A simple method of fabricating large-area In-MnO_2 nanowires and nanorods. <i>Journal of Solid State Chemistry</i> , 2006, 179, 1757-1761.	2.9	47
8078	Nanoelectronics beyond silicon. <i>Microelectronic Engineering</i> , 2006, 83, 619-623.	2.4	18
8079	Method for the simple catalytic carbon nano-fibers growth in air. <i>Microelectronic Engineering</i> , 2006, 83, 1538-1541.	2.4	2
8080	Template-electrodeposition preparation and structural properties of CdS nanowire arrays. <i>Microelectronic Engineering</i> , 2006, 83, 1971-1974.	2.4	24
8081	First-principles calculation of the electronic structure and energy loss near edge spectra of chiral carbon nanotubes. <i>Micron</i> , 2006, 37, 486-491.	2.2	14
8082	The study of the electrochemical properties of CNTs/LaNi ₅ electrodes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 128, 125-129.	3.5	13
8083	Comprehensive spectral and instrumental approaches for the easy monitoring of features and purity of different carbon nanostructures for nanocomposite applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 131, 72-82.	3.5	29
8084	Multi-walled carbon nanotubes-based glucose biosensor prepared by a layer-by-layer technique. <i>Materials Science and Engineering C</i> , 2006, 26, 113-117.	7.3	50
8085	Electrocatalysis of asulam on cobalt phthalocyanine modified multi-walled carbon nanotubes immobilized on a basal plane pyrolytic graphite electrode. <i>Electrochimica Acta</i> , 2006, 52, 114-122.	5.2	153
8086	Experimental study on thermal characteristics of suspended platinum nanofilm sensors. <i>International Journal of Heat and Mass Transfer</i> , 2006, 49, 3879-3883.	4.8	22
8087	The study of Alzheimer's disease biomarkers. <i>Nanobiotechnology</i> , 2006, 2, 5-16.	1.2	15
8088	Investigation on the electronically excited state properties of multiwalled carbon nanotube (MDDA) in solution. <i>Science in China Series B: Chemistry</i> , 2006, 49, 97-102.	0.8	2
8089	Liquid-Phase Hydrogenation of Chloronitrobenzene Over Pt-Sn-B Amorphous Catalyst Supported by Carbon Nanotubes. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2006, 1, 41-44.	0.4	3
8090	Adsorption on the carbon nanotubes. <i>Frontiers of Physics in China</i> , 2006, 1, 317-322.	1.0	9
8091	Mechanism of field electron emission from carbon nanotubes. <i>Frontiers of Physics in China</i> , 2006, 1, 305-316.	1.0	6
8092	Nano-sized Sn/MWNTs and MWNTs served as the anode of lithium ion battery. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2006, 21, 60-63.	1.0	1
8093	Natural mineral-marine manganese nodule as a novel catalyst for the synthesis of carbon nanotubes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2006, 21, 29-31.	1.0	3
8094	The effect of multi-walled carbon nanotubes on the molecular orientation of poly(vinyl alcohol) in drawn composite films. <i>Fibers and Polymers</i> , 2006, 7, 323-327.	2.1	21

#	ARTICLE	IF	CITATIONS
8095	Growth and lithium storage properties of vertically aligned carbon nanotubes. <i>Metals and Materials International</i> , 2006, 12, 413-416.	3.4	17
8096	Growth of helical carbon nanofibers in the presence of Ni ²⁺ /Cu catalysts. <i>Metals and Materials International</i> , 2006, 12, 417-423.	3.4	4
8097	Chemical vapor deposition synthesis of self-aligned carbon nanotube arrays. <i>Journal of Electronic Materials</i> , 2006, 35, 192-194.	2.2	18
8098	Molecular dynamics study of bamboo-like carbon nanotube nucleation. <i>Journal of Electronic Materials</i> , 2006, 35, 207-210.	2.2	27
8099	Synthesis optimization and characterization of multiwalled carbon nanotubes. <i>Journal of Electronic Materials</i> , 2006, 35, 211-223.	2.2	20
8100	Fabrication of nylon-6/carbon nanotube composites. <i>Journal of Electronic Materials</i> , 2006, 35, 954-957.	2.2	31
8101	Synthesis of multi-walled carbon nanotube in a gas-solid fluidized bed. <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 838-841.	2.7	17
8102	Gold nanoparticles dispersed polyaniline grafted multiwall carbon nanotubes as newer electrocatalysts: Preparation and performances for methanol oxidation. <i>Journal of Catalysis</i> , 2006, 238, 177-185.	6.2	162
8103	Mechanistic aspects of the formation of carbon-nanofibers on the surface of Ni foam: A new microstructured catalyst support. <i>Journal of Catalysis</i> , 2006, 239, 460-469.	6.2	81
8104	About the octopus-like growth mechanism of carbon nanofibers over graphite supported nickel catalyst. <i>Journal of Catalysis</i> , 2006, 240, 194-202.	6.2	86
8105	Preparation and Characterization of Carbon Nanotubes-Coated Cordierite for Catalyst Supports. <i>Journal of Natural Gas Chemistry</i> , 2006, 15, 211-216.	1.8	7
8106	Synthesis and Application of Carbon Nanotubes. <i>Journal of Natural Gas Chemistry</i> , 2006, 15, 235-246.	1.8	30
8107	Production of High Purity Multi-Walled Carbon Nanotubes from Catalytic Decomposition of Methane. <i>Journal of Natural Gas Chemistry</i> , 2006, 15, 266-270.	1.8	14
8108	A Novel Carbon Nanotube-Supported NiP Amorphous Alloy Catalyst and Its Hydrogenation Activity. <i>Journal of Natural Gas Chemistry</i> , 2006, 15, 313-318.	1.8	5
8109	Mechanosynthesis of Boron Nitride Nanotubes. <i>Chinese Journal of Chemical Engineering</i> , 2006, 14, 389-393.	3.5	14
8110	A Three-Dimensional Simulation Study of the Performance of Carbon Nanotube Field-Effect Transistors With Doped Reservoirs and Realistic Geometry. <i>IEEE Transactions on Electron Devices</i> , 2006, 53, 1782-1788.	3.0	84
8111	Structural stability of carbon nanotubes using molecular dynamics and finite-difference time-domain methods. <i>IEEE Transactions on Magnetism</i> , 2006, 42, 891-894.	2.1	4
8112	Fabrication of aligned carbon nanotube-filled rubber composite. <i>Scripta Materialia</i> , 2006, 54, 31-35.	5.2	154

#	ARTICLE	IF	CITATIONS
8113	Carbon onion growth enhanced by nitrogen incorporation. Scripta Materialia, 2006, 54, 1739-1743.	5.2	15
8114	Shape-controlled synthesis and nanostructure evolution of single-crystal Mn ₃ O ₄ nanocrystals. Scripta Materialia, 2006, 55, 735-738.	5.2	49
8115	Effects of the addition of multi-walled carbon nanotubes on the positive temperature coefficient characteristics of carbon-black-filled high-density polyethylene nanocomposites. Scripta Materialia, 2006, 55, 1119-1122.	5.2	130
8116	A study on the structure and thermal stability of titanate nanotubes as a function of sodium content. Solid State Sciences, 2006, 8, 888-900.	3.2	234
8117	Synthesis of MoO ₃ nanostructures and their facile conversion to MoS ₂ fullerenes and nanotubes. Solid State Sciences, 2006, 8, 1133-1137.	3.2	66
8118	Bell-mouthed single-crystalline tubular ZnO prepared by a soft solution method. Materials Chemistry and Physics, 2006, 96, 51-54.	4.0	9
8119	Catalytic chemical vapor deposition synthesis of helical carbon nanotubes and triple helices carbon nanostructure. Materials Chemistry and Physics, 2006, 95, 12-15.	4.0	34
8120	Facile solvothermal synthesis of single-crystalline Bi ₂ S ₃ nanorods on a large scale. Materials Chemistry and Physics, 2006, 95, 154-157.	4.0	42
8121	Synthesis of carbon nanotubes with claw-like ends at mild condition. Materials Chemistry and Physics, 2006, 95, 109-112.	4.0	2
8122	The effect of substrate morphology on the formation of large-scale well-aligned carbon nanotube film. Materials Chemistry and Physics, 2006, 97, 182-187.	4.0	5
8123	Synthesis of gold nano-catalysts supported on carbon nanotubes by using electroless plating technique. Materials Chemistry and Physics, 2006, 97, 351-356.	4.0	28
8124	An efficient method to produce single-walled carbon nanotubes by round-trip arc discharge. Materials Chemistry and Physics, 2006, 97, 243-246.	4.0	8
8125	Solvothermal synthesis and photoluminescence properties of single-crystal Mn ²⁺ doped CdS nanowires. Materials Chemistry and Physics, 2006, 97, 448-451.	4.0	31
8126	Formation and structure of single crystalline magnesium borate (Mg ₃ B ₂ O ₆) nanobelts. Materials Chemistry and Physics, 2006, 98, 195-197.	4.0	29
8127	Experimental investigation on carbon nanotube grown by thermal chemical vapor deposition using non-isothermal deposited catalysts. Materials Chemistry and Physics, 2006, 97, 511-516.	4.0	13
8128	Optimization of carbon nanotube powder growth using low pressure floating catalytic chemical vapor deposition. Materials Chemistry and Physics, 2006, 98, 256-260.	4.0	20
8129	The kinetic and thermodynamic analysis of Li ion in multi-walled carbon nanotubes. Materials Chemistry and Physics, 2006, 99, 190-196.	4.0	30
8130	Solution phase synthesis of CuO nanorods. Materials Chemistry and Physics, 2006, 98, 519-522.	4.0	60

#	ARTICLE	IF	CITATIONS
8131	Effects of protection gas flow rate on the electrochemical capacitance of activated carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2006, 99, 314-317.	4.0	2
8132	Facile synthesis and characterization of novel nanocomposites of titanate nanotubes and rutile nanocrystals. <i>Materials Chemistry and Physics</i> , 2006, 100, 507-512.	4.0	52
8133	Fabrication of large-scale ultra-fine Cd-doped ZnO nanowires. <i>Materials Research Bulletin</i> , 2006, 41, 340-346.	5.2	14
8134	Oversized hexagonal nanosheets of layered zinc hydroxysulfates via the hexamethylenetetramine-mediated solution route. <i>Materials Research Bulletin</i> , 2006, 41, 608-611.	5.2	17
8135	Large-scale synthesis of single-crystalline CuO nanoplatelets by a hydrothermal process. <i>Materials Research Bulletin</i> , 2006, 41, 697-702.	5.2	62
8136	Alternative approaches to fabrication of gold-modified TiO ₂ nanotubes. <i>Materials Research Bulletin</i> , 2006, 41, 1097-1104.	5.2	22
8137	Investigation of preparation and structures of activated carbon nanotubes. <i>Materials Research Bulletin</i> , 2006, 41, 1503-1512.	5.2	28
8138	Synthesis and characterization of single crystalline selenium nanowire arrays. <i>Materials Research Bulletin</i> , 2006, 41, 1729-1734.	5.2	21
8139	Large-scale synthesis of single-crystalline ZnO nanotubes based on polymer-inducement. <i>Materials Research Bulletin</i> , 2006, 41, 1979-1983.	5.2	13
8140	Synthesis of carbon nanostructures with unique morphologies via a reduction-catalysis reaction route. <i>Materials Research Bulletin</i> , 2006, 41, 1785-1790.	5.2	18
8141	Closed-cage (fullerene-like) structures of NiBr ₂ . <i>Materials Research Bulletin</i> , 2006, 41, 2137-2146.	5.2	22
8142	Multiwall carbon nanotubes from pyrolysis of tetrahydrofuran. <i>Materials Research Bulletin</i> , 2006, 41, 2311-2317.	5.2	52
8143	Study on purification and tip-opening of CNTs fabricated by CVD. <i>Materials Research Bulletin</i> , 2006, 41, 2204-2209.	5.2	40
8144	Hydrothermal synthesis of single-crystal VO ₂ (B) nanobelts. <i>Materials Research Bulletin</i> , 2006, 41, 1985-1989.	5.2	27
8145	Large-scale synthesis, microstructure and growth mechanism of self-assembled core-shell ZnO/SiO _x nanowires. <i>Materials Letters</i> , 2006, 60, 150-153.	2.6	12
8146	Fabrication and growth mechanism of carbon nanotubes by catalytic chemical vapor deposition. <i>Materials Letters</i> , 2006, 60, 159-163.	2.6	68
8147	Hydrothermal synthesis of single-crystalline hexagonal prism ZnO nanorods. <i>Materials Letters</i> , 2006, 60, 266-269.	2.6	59
8148	Fabrication of InSb-core/alumina-sheath nanocables. <i>Materials Letters</i> , 2006, 60, 569-571.	2.6	14

#	ARTICLE	IF	CITATIONS
8149	Growth and field emission of coiled carbon nanotubes by plasma-enhanced chemical vapor deposition. Materials Letters, 2006, 60, 1085-1088.	2.6	9
8150	Synthesis of radial-aligned GaN nanorods by ammoniating Ga ₂ O ₃ films on Mg layer deposited on Si(111) substrates. Materials Letters, 2006, 60, 1229-1232.	2.6	6
8151	Synthesis of carbon nanocoils on surface morphology changed silicon substrates. Materials Letters, 2006, 60, 2073-2075.	2.6	9
8152	In situ fabrication of carbon nanotube/nanofibres from the bulk polymer at mild temperature. Materials Letters, 2006, 60, 2312-2314.	2.6	0
8153	A novel mechanical approach to improve the field emission characteristics of printed CNT films. Materials Letters, 2006, 60, 2399-2402.	2.6	15
8154	Self-assembled ZnO 3D flowerlike nanostructures. Materials Letters, 2006, 60, 2530-2533.	2.6	62
8155	Controlled synthesis of PbWO ₄ crystals via microemulsion-based solvothermal method. Materials Letters, 2006, 60, 2675-2681.	2.6	15
8156	Hydrothermal synthesis, characterization and properties of SnS nanoflowers. Materials Letters, 2006, 60, 2686-2689.	2.6	62
8157	Anionic surfactant-assisted hydrothermal synthesis of high-aspect-ratio ZnO nanowires and their photoluminescence property. Materials Letters, 2006, 60, 2777-2782.	2.6	68
8158	A study of La-doped Bi ₂ Ti ₂ O ₇ nanocrystals prepared by chemical solution deposition technique. Materials Letters, 2006, 60, 2886-2888.	2.6	4
8159	Preparation and characterization of In ₂ O ₃ nanorods. Materials Letters, 2006, 60, 3137-3140.	2.6	53
8160	Fabrication of boehmite AlOOH nanofibers by a simple hydrothermal process. Materials Letters, 2006, 60, 3586-3590.	2.6	56
8161	Bulk preparation and characterization of mesoporous carbon nanotubes by catalytic decomposition of cyclohexane on sol-gel prepared Ni-Mo-Mg oxide catalyst. Materials Letters, 2006, 60, 3735-3740.	2.6	9
8162	Preparation and characterization of titania nanotubes with mesostructured walls. Materials Letters, 2006, 60, 3882-3886.	2.6	12
8163	Synthesis and characterization of single crystalline MnOOH and MnO ₂ nanorods by means of the hydrothermal process assisted with CTAB. Materials Letters, 2006, 60, 3895-3898.	2.6	21
8164	Preparation and properties of the powder SBR composites filled with CNTs by spray drying process. Materials Letters, 2006, 60, 3769-3775.	2.6	48
8165	Template synthesis of multifunctional nanotubes for controlled release. Journal of Controlled Release, 2006, 114, 143-152.	9.9	110
8166	Magnetic properties of multiwalled carbon nanotubes as a function of acid treatment. Journal of Magnetism and Magnetic Materials, 2006, 302, 378-381.	2.3	26

#	ARTICLE	IF	CITATIONS
8168	Binding of Acetylcholinesterase to Multiwall Carbon Nanotube-Cross-Linked Chitosan Composite for Flow-Injection Amperometric Detection of an Organophosphorous Insecticide. Chemistry - A European Journal, 2006, 12, 1074-1080.	3.3	110
8169	Preparation and Functionalization of Multilayer Fullerenes (Carbon Nano-Onions). Chemistry - A European Journal, 2006, 12, 376-387.	3.3	124
8170	Systematic Investigation of the Formation of 1D β -Si ₃ N ₄ Nanostructures by Using a Thermal-Decomposition/Nitridation Process. Chemistry - A European Journal, 2006, 12, 2987-2993.	3.3	48
8171	Large-Scale Synthesis of Flexible Gold/Cross-Linked-PVA Sub-Microcables and Cross-Linked-PVA Tubes/Fibers by Using Templating Approaches Based on Silver/Cross-Linked-PVA Sub-Microcables. Chemistry - A European Journal, 2006, 12, 3320-3324.	3.3	11
8172	Solubilization of Single-Walled Carbon Nanotubes by using Polycyclic Aromatic Ammonium Amphiphiles in Water Strategy for the Design of High-Performance Solubilizers. Chemistry - A European Journal, 2006, 12, 4027-4034.	3.3	194
8173	Microwave-Assisted Covalent Sidewall Functionalization of Multiwalled Carbon Nanotubes. Chemistry - A European Journal, 2006, 12, 3869-3875.	3.3	83
8174	Organic Reaction Pathways in the Nonaqueous Synthesis of Metal Oxide Nanoparticles. Chemistry - A European Journal, 2006, 12, 7282-7302.	3.3	439
8175	Individual Dissolution of Single-Walled Carbon Nanotubes in Aqueous Solutions of Steroid or Sugar Compounds and Their Raman and Near-IR Spectral Properties. Chemistry - A European Journal, 2006, 12, 7595-7602.	3.3	101
8176	Effect of amino-functionalization of multi-walled carbon nanotubes on the dispersion with epoxy resin matrix. Journal of Applied Polymer Science, 2006, 100, 97-104.	2.6	117
8177	Preparation and mechanical properties of natural rubber powder modified by carbon nanotubes. Journal of Applied Polymer Science, 2006, 100, 4697-4702.	2.6	41
8178	Pseudoreinforcement effect of multiwalled carbon nanotubes in epoxy matrix composites. Journal of Applied Polymer Science, 2006, 102, 3664-3672.	2.6	26
8179	Preparation of multiwall carbon nanotubes/poly(p-phenylene benzobisoxazole) nanocomposites and analysis of their physical properties. Journal of Applied Polymer Science, 2006, 102, 2500-2508.	2.6	31
8180	Hole-Doped Single-Walled Carbon Nanotubes: Ornamenting with Gold Nanoparticles in Water. Angewandte Chemie - International Edition, 2006, 45, 104-107.	13.8	83
8181	Hollow and Polygonous Microtubes of Monocrystalline Indium Germanate. Angewandte Chemie - International Edition, 2006, 45, 228-231.	13.8	30
8182	Overcoming the Insolubility of Molybdenum Disulfide Nanoparticles through a High Degree of Sidewall Functionalization Using Polymeric Chelating Ligands. Angewandte Chemie - International Edition, 2006, 45, 4809-4815.	13.8	89
8183	Cyclophanes within Cyclophanes: The Synthesis of a Pyromellitic Diimide-Based Macrocyclic as a Structural Unit in a Molecular Tube and Its Inclusion Phenomena. Angewandte Chemie - International Edition, 2006, 45, 3643-3647.	13.8	71
8184	Are Aluminoxanes Nanotubular? Structural Evidence from a Quantum Chemical Study. Angewandte Chemie - International Edition, 2006, 45, 3331-3334.	13.8	39
8185	Controlled Self-Assembly Behavior of an Amphiphilic Bisporphyrin-Bipyridinium-Palladium Complex: From Multilayer Vesicles to Hollow Capsules. Angewandte Chemie - International Edition, 2006, 45, 3639-3643.	13.8	106

#	ARTICLE	IF	CITATIONS
8186	Formation of Crystalline SrAl ₂ O ₄ Nanotubes by a Roll-Up and Post-Annealing Approach. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4922-4926.	13.8	40
8187	One-Step, Confined Growth of Bimetallic Tin–Antimony Nanorods in Carbon Nanotubes Grown In Situ for Reversible Li ⁺ Ion Storage. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7039-7042.	13.8	89
8188	Noncrystalline Metal–Boron Nanotubes: Synthesis, Characterization, and Catalytic-Hydrogenation Properties. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7211-7214.	13.8	51
8189	Single-Crystal Nanotubes of II–V Semiconductors. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7568-7572.	13.8	82
8190	Lead Chalcogenide Nanotubes Synthesized by Biomolecule-Assisted Self-Assembly of Nanocrystals at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7739-7742.	13.8	119
8191	A surface Cauchy–Born model for nanoscale materials. <i>International Journal for Numerical Methods in Engineering</i> , 2006, 68, 1072-1095.	2.8	143
8192	The World of Carbon Nanotubes: An Overview of CVD Growth Methodologies. <i>Chemical Vapor Deposition</i> , 2006, 12, 315-325.	1.3	105
8193	Effects of Synthesis Conditions on Self-Organized Growth of Aligned Arrays of Silicon Nanowires. <i>Chemical Vapor Deposition</i> , 2006, 12, 709-711.	1.3	4
8194	A Co-Functionalization Approach to Soluble and Functional Single-Walled Carbon Nanotubes. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2517-2522.	2.4	45
8195	Carbon Nanotubes/Poly(1,2-diaminobenzene) Nanoporous Composite Film Electrode Prepared by Multipulse Potentiostatic Electropolymerisation and Its Application to Determination of Trace Heavy Metal Ions. <i>Electroanalysis</i> , 2006, 18, 485-492.	2.9	73
8196	Direct Electrochemistry of Multi-Copper Oxidases at Carbon Nanotubes Noncovalently Functionalized with Cellulose Derivatives. <i>Electroanalysis</i> , 2006, 18, 587-594.	2.9	117
8197	Nanowire-Based Electrochemical Biosensors. <i>Electroanalysis</i> , 2006, 18, 533-550.	2.9	439
8198	Electrochemical Behavior of MCF-7 Cells on Carbon Nanotube Modified Electrode and Application in Evaluating the Effect of 5-Fluorouracil. <i>Electroanalysis</i> , 2006, 18, 1179-1185.	2.9	20
8199	Impedance DNA Biosensor Using Electropolymerized Polypyrrole/Multiwalled Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2006, 18, 1471-1478.	2.9	81
8200	Optical and Bioelectrochemical Characterization of Water-Miscible Ionic Liquids Based Composites of Multiwalled Carbon Nanotubes. <i>Electroanalysis</i> , 2006, 18, 1681-1688.	2.9	29
8201	Electrocatalytic Dioxygen Reduction at Glassy Carbon Electrode Modified with Polyaniline Grafted Multiwall Carbon Nanotube Film. <i>Electroanalysis</i> , 2006, 18, 1564-1571.	2.9	56
8202	Amperometric Glucose Biosensors Based on Integration of Glucose Oxidase onto Prussian Blue/Carbon Nanotubes Nanocomposite Electrodes. <i>Electroanalysis</i> , 2006, 18, 1842-1846.	2.9	40
8203	Electrochemical Behavior of Deoxycholic Acid on Multiwalled Carbon Nanotubes Modified Electrode. <i>Electroanalysis</i> , 2006, 18, 2385-2388.	2.9	8

#	ARTICLE	IF	CITATIONS
8204	Carbon nanotube/poly(methyl methacrylate) composite electrode for capillary electrophoretic measurement of honokiol and magnolol in Cortex Magnoliae Officinalis. <i>Electrophoresis</i> , 2006, 27, 3233-3242.	2.4	42
8205	Carbon nanotube-enhanced separation of DNA fragments by a portable capillary electrophoresis system with contactless conductivity detection. <i>Electrophoresis</i> , 2006, 27, 4025-4028.	2.4	63
8206	Chemical modification of SWNT alters in vitro cell-SWNT interactions. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 76A, 614-625.	4.0	125
8207	Current Densities and Nucleus-Independent Chemical Shift Maps from Reciprocal-Space Density Functional Perturbation Theory Calculations. <i>ChemPhysChem</i> , 2006, 7, 164-175.	2.1	89
8208	Sol-Gel Template Synthesis and Photoluminescence of n- and p-Type Semiconductor Oxide Nanowires. <i>ChemPhysChem</i> , 2006, 7, 497-501.	2.1	51
8209	Generation and Growth Mechanism of Metal (Fe, Co, Ni) Nanotube Arrays. <i>ChemPhysChem</i> , 2006, 7, 1500-1504.	2.1	133
8210	Twisting Nanotubes: From Torsion to Chirality. <i>ChemPhysChem</i> , 2006, 7, 1405-1407.	2.1	23
8211	Molecular dynamics of the generation process of double-walled carbon nanotubes from peapods. <i>Heat Transfer - Asian Research</i> , 2006, 35, 254-264.	2.8	8
8212	Effects of electrons statistic on carbon nanotubes hyperpolarizability frequency dependence determined with sum over states method. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 669-674.	2.5	10
8213	Intermolecular interactions on multiwalled carbon nanotubes in reversed-phase liquid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 945-952.	2.5	30
8214	Effect of Functionalized Carbon Nanotubes on Molecular Interaction and Properties of Polyurethane Composites. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1773-1780.	2.2	165
8215	Melt Mixing of Polycarbonate with Multi-Walled Carbon Nanotubes in Miniature Mixers. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 227-238.	3.6	110
8216	Effect of Carbon Nanofiber Functionalization on the Dispersion and Physical and Mechanical Properties of Polystyrene Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 1547-1555.	3.6	54
8217	Carbon Nanotube-Adsorbed Electrospun Nanofibrous Membranes of Nylon 6. <i>Macromolecular Rapid Communications</i> , 2006, 27, 146-151.	3.9	87
8218	Electrostatic Forces Induce Poly(vinyl alcohol)-Protected Copper Nanoparticles to Form Copper/Poly(vinyl alcohol) Nanocables via Electrospinning. <i>Macromolecular Rapid Communications</i> , 2006, 27, 152-155.	3.9	67
8219	Polymeric Nanocomposites of Polyurethane Block Copolymers and Functionalized Multi-Walled Carbon Nanotubes as Crosslinkers. <i>Macromolecular Rapid Communications</i> , 2006, 27, 126-131.	3.9	133
8220	Nanofibrous Membranes Containing Carbon Nanotubes: Electrospun for Redox Enzyme Immobilization. <i>Macromolecular Rapid Communications</i> , 2006, 27, 516-521.	3.9	68
8221	Supramolecular Self-Assembly of Polymer-Functionalized Carbon Nanotubes on Surfaces. <i>Macromolecular Rapid Communications</i> , 2006, 27, 841-847.	3.9	19

#	ARTICLE	IF	CITATIONS
8222	Polymere Nanoverbundwerkstoffe: Chancen, Risiken und Potenzial zur Verbesserung der mechanischen und physikalischen Eigenschaften. Materialwissenschaft Und Werkstofftechnik, 2006, 37, 698-703.	0.9	12
8223	Reduction of Carbon-rich Compounds. , 2006, , 566-623.		9
8224	Influence of the Surface Treatment on the Deposition of Platinum Nanoparticles on the Carbon Nanotubes. Advanced Engineering Materials, 2006, 8, 73-77.	3.5	61
8225	Advanced Ceramic Materials for High Temperature Applications. Advanced Engineering Materials, 2006, 8, 693-703.	3.5	181
8237	Biosensing Properties of TitanateNanotube Films: Selective Detection of Dopamine in the Presence of Ascorbate and Uric Acid. Advanced Functional Materials, 2006, 16, 371-376.	14.9	176
8238	Fabrication of Single-Crystalline Silicon Nanowires by Scratching a Silicon Surface with Catalytic Metal Particles. Advanced Functional Materials, 2006, 16, 387-394.	14.9	589
8239	Rapid Synthesis of Amino Acid Polyoxometalate Nanotubes by One-Step Solid-State Chemical Reaction at Room Temperature. Advanced Functional Materials, 2006, 16, 687-692.	14.9	107
8240	Luminescence of Functionalized Carbon Nanotubes as a Tool to Monitor Bundle Formation and Dissociation in Water: The Effect of Plasmid-DNA Complexation. Advanced Functional Materials, 2006, 16, 1839-1846.	14.9	55
8241	Poly(μ -caprolactone)-Functionalized Carbon Nanotubes and Their Biodegradation Properties. Advanced Functional Materials, 2006, 16, 812-818.	14.9	195
8242	Amorphous Carbon Nanotubes with Tunable Properties via Template Wetting. Advanced Functional Materials, 2006, 16, 1476-1480.	14.9	97
8243	Tuning the Dimensions of C60-Based Needlelike Crystals in Blended Thin Films. Advanced Functional Materials, 2006, 16, 760-765.	14.9	195
8244	Enhancement of Modulus, Strength, and Toughness in Poly(methyl methacrylate)-Based Composites by the Incorporation of Poly(methyl methacrylate)-Functionalized Nanotubes. Advanced Functional Materials, 2006, 16, 1608-1614.	14.9	219
8245	Photoluminescence and Electroluminescence from Tris(8- hydroxyquinoline)aluminum Nanowires Prepared by Adsorbent-Assisted Physical Vapor Deposition. Advanced Functional Materials, 2006, 16, 1985-1991.	14.9	150
8246	Controllable Synthesis and Growth Model of Amorphous Silicon Nanotubes with Periodically Dome-Shaped Interiors. Advanced Materials, 2006, 18, 228-234.	21.0	33
8247	Quantum Dots in Biological and Biomedical Research: Recent Progress and Present Challenges. Advanced Materials, 2006, 18, 1953-1964.	21.0	598
8248	Bending of a Carbon Nanotube in Vacuum Using a Focused Ion Beam. Advanced Materials, 2006, 18, 95-98.	21.0	65
8249	Tapered Carbon Nanotubes from Activated Carbon Powders. Advanced Materials, 2006, 18, 197-200.	21.0	22
8250	In Vivo Magnetic Resonance Imaging of Single-Walled Carbon Nanohorns by Labeling with Magnetite Nanoparticles. Advanced Materials, 2006, 18, 1010-1014.	21.0	101

#	ARTICLE	IF	CITATIONS
8251	Urea-Melt Solubilization of Single-Walled Carbon Nanotubes. Advanced Materials, 2006, 18, 1193-1197.	21.0	24
8252	Spinning and Processing Continuous Yarns from 4-Inch Wafer Scale Super-Aligned Carbon Nanotube Arrays. Advanced Materials, 2006, 18, 1505-1510.	21.0	563
8253	Polyacylation of Single-Walled Nanotubes under Friedelâ€“Crafts Conditions: An Efficient Method for Functionalizing, Purifying, Decorating, and Linking Carbon Allotropes. Advanced Materials, 2006, 18, 2763-2767.	21.0	80
8254	An Easy Way to Construct an Ordered Array of Nickel Nanotubes: The Triblock-Copolymer-Assisted Hard-Template Method. Advanced Materials, 2006, 18, 2161-2164.	21.0	111
8255	Controlled Synthesis of Bismuth Oxide Nanowires by an Oxidative Metal Vapor Transport Deposition Technique. Advanced Materials, 2006, 18, 2604-2608.	21.0	102
8256	Synthesis of WC Nanotubes. Advanced Materials, 2006, 18, 2023-2027.	21.0	90
8257	Controlling the Morphology of Carbon Nanotube Films by Varying the Areal Density of Catalyst Nanoclusters Using Block-Copolymer Micellar Thin Films. Advanced Materials, 2006, 18, 2274-2279.	21.0	63
8258	Hydrodynamics and gas mixing in a carbon nanotube agglomerate fluidized bed. AIChE Journal, 2006, 52, 4110-4123.	3.6	37
8259	Simple selective electron beam patterning on a single nanowire. , 2006, , .		0
8260	Mechanical Properties of Double Coiled Carbon Nanotubes. , 2006, , .		0
8261	The preparation of carbon nanotubes by DC arc discharge process using Xylene-Ferrocene as a floating catalyst precursor. , 2006, , .		0
8262	Characterization of Polyvinylidene Fluoride (PVDF)-Double-Walled Carbon Nanotubes (DWNT). , 2006, , 369.		1
8263	Molecular Mechanics Based Finite Element for Carbon Nanotube Modeling. , 2006, , 55.		2
8264	Mechanical Performance of Matrix Filled Single-Walled Carbon Nanotube Reinforced Nanocomposites. , 2006, , 31.		0
8265	Carbon nanotubes-ceramic composites. , 2006, , 309-333.		2
8266	Electronic Structure Calculations for Nanomolecular Systems. , 2006, , 77-116.		3
8267	Synthesis and purification of carbon nanotubes by arc discharge. Studies in Surface Science and Catalysis, 2006, 159, 749-752.	1.5	0
8268	Review of nanomanipulators for nanomanufacturing. International Journal of Nanomanufacturing, 2006, 1, 83.	0.3	54

#	ARTICLE	IF	CITATIONS
8269	Study of influenced pressure condition at deposited carbon nanotubes in low temperature. , 2006, , .		0
8270	An Introductory Course in Nanoelectronics at the Senior/Graduate Level. , 2006, , .		0
8271	The Effect of Molecular Mass Distribution on Time-Dependent Behavior of Polyamides. Journal of Applied Mechanics, Transactions ASME, 2006, 73, 752.	2.2	9
8272	Buckling Analysis of Multiwalled Carbon Nanotubes Under Torsional Load Coupling With Temperature Change. Journal of Engineering Materials and Technology, Transactions of the ASME, 2006, 128, 419-427.	1.4	73
8273	3-Omega Measurements of Vertically Oriented Carbon Nanotubes on Silicon. Journal of Heat Transfer, 2006, 128, 1109-1113.	2.1	212
8274	Finding Growth Regions for Carbon Nanofibers and Tubes under Different Growth Conditions Using Simplified Hot-Filament Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2006, 45, 6517-6523.	1.5	4
8275	Carbon nanotubes selective destabilization of duplex and triplex DNA and inducing B-A transition in solution. Nucleic Acids Research, 2006, 34, 3670-3676.	14.5	123
8276	Micromachined silicon transmission electron microscopy grids for direct characterization of as-grown nanotubes. Nanotechnology, 2006, 17, 4635-4639.	2.6	3
8277	Aligned silica nanowires on the inner wall of bubble-like silica film: the growth mechanism and photoluminescence. Nanotechnology, 2006, 17, 1022-1025.	2.6	9
8278	In Situ High-Resolution Transmission Electron Microscopy of Elastic Deformation and Fracture of Nanometer-Sized Fullerene C60 Whiskers. Japanese Journal of Applied Physics, 2006, 45, 8024-8026.	1.5	6
8279	A self-assembled synthesis of carbon nanotubes for interconnects. Nanotechnology, 2006, 17, 1062-1066.	2.6	23
8280	ZnO Nanorods Produced by the Method of Arc Discharge. Chinese Physics Letters, 2006, 23, 2165-2168.	3.3	11
8281	Low-Temperature Growth of Carbon Nanofiber by Thermal Chemical Vapor Deposition Using CuNi Catalyst. Japanese Journal of Applied Physics, 2006, 45, 5329-5331.	1.5	7
8282	Laser Induced Modifications of Carbon Nanotube Composite Surfaces. Japanese Journal of Applied Physics, 2006, 45, 7776-7779.	1.5	1
8283	The mechanism of the solid-state reaction between carbon nanotubes and nanocrystalline silicon under high pressure and at high temperature. Journal of Physics Condensed Matter, 2006, 18, 2995-3003.	1.8	19
8284	Heterocrystal and bicrystal structures of ZnS nanowires synthesized by plasma enhanced chemical vapour deposition. Nanotechnology, 2006, 17, 2913-2917.	2.6	24
8285	Transmission electron microscope imaging of single-walled carbon nanotube interactions and mechanics on nitride grids. Nanotechnology, 2006, 17, 4706-4712.	2.6	8
8286	Stable configurations of C20 and C28 encapsulated in single wall carbon nanotubes. Nanotechnology, 2006, 17, 1891-1894.	2.6	26

#	ARTICLE	IF	CITATIONS
8287	Direct Growth of Single Carbon Nanofiber onto Tip of Scanning Probe Microscopy Induced by Ion Irradiation. Japanese Journal of Applied Physics, 2006, 45, 2004-2008.	1.5	40
8288	Experimental Evidence for Nanostructural Tube Formation of Silicon Atoms. Japanese Journal of Applied Physics, 2006, 45, L837-L839.	1.5	19
8289	An artificial carbon nano-thorn synthesized by a plasma chemical vapour deposition. Journal Physics D: Applied Physics, 2006, 39, 3337-3341.	2.8	0
8290	Suspended HOPG nanosheets for HOPG nanoresonator engineering and new carbon nanostructure synthesis. Nanotechnology, 2006, 17, 5192-5200.	2.6	8
8291	Synthesis and photoluminescence properties of In ₂ Ge ₂ O ₇ nanobelts. Nanotechnology, 2006, 17, 6007-6010.	2.6	25
8292	Low-Temperature Growth of Vertically Aligned Carbon Nanotubes Using Binary Catalysts. Japanese Journal of Applied Physics, 2006, 45, 369-371.	1.5	17
8293	Single-Stranded DNA Insertion into Single-Walled Carbon Nanotubes by Ion Irradiation in an Electrolyte Plasma. Japanese Journal of Applied Physics, 2006, 45, 8335-8339.	1.5	10
8294	Geometric and electronic structure of carbon nanotube networks: π -super π -carbon nanotubes. Nanotechnology, 2006, 17, 617-621.	2.6	74
8295	Molding ceramic microstructures on flat and curved surfaces with and without embedded carbon nanotubes. Journal of Micromechanics and Microengineering, 2006, 16, 2554-2563.	2.6	17
8296	Mesoscale modeling of mechanics of carbon nanotubes: Self-assembly, self-folding, and fracture. Journal of Materials Research, 2006, 21, 2855-2869.	2.6	179
8297	Quantum Transport in Carbon Nanotubes. , 2006, , 351-380.		3
8298	Electromechanical analysis of suspended carbon nanotubes for memory applications. Nanotechnology, 2006, 17, 2127-2134.	2.6	10
8299	The asymptotic properties of random strength and compliance of single-walled carbon nanotubes using atomistic simulation. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P06021-P06021.	2.3	4
8300	Evaluation of Optimum Sheath Electric Field and Minimum Catalyst Interval for Selective Production of Metallic Carbon Nanotubes. Japanese Journal of Applied Physics, 2006, 45, 1877-1879.	1.5	1
8301	Comparison on Different Post-treatment Methods of Printed Carbon Nanotube Films for Enhanced Field Emission. IETE Journal of Research, 2006, 52, 333-337.	2.6	0
8302	Synthesis of Metal-Alloy-Coated Nanowires toward Functional Scanning Probe Microscope. Japanese Journal of Applied Physics, 2006, 45, 3690-3692.	1.5	5
8303	Geometrically frustrated crystals: Elastic theory and dislocations. Europhysics Letters, 2006, 76, 264-270.	2.0	8
8304	Generalized Bloch states and potentials of nanotubes and other quasi-1D systems. Journal of Physics A, 2006, 39, 11833-11846.	1.6	6

#	ARTICLE	IF	CITATIONS
8305	ELECTRONIC-STRUCTURE ENGINEERING OF CARBON NANOTUBES. Nano, 2006, 01, 115-138.	1.0	52
8306	Direct Growth of Single-Walled Carbon Nanotubes on W Tip Apex. Japanese Journal of Applied Physics, 2006, 45, 1880-1882.	1.5	7
8307	SUPERCRITICAL FLUIDS: NANOTECHNOLOGY AND SELECT EMERGING APPLICATIONS. Combustion Science and Technology, 2006, 178, 555-621.	2.3	17
8308	Optical Performance and Nonlinear Scattering of Soluble Polystyrene Grafted Multi-Walled Carbon Nanotubes. Chinese Physics Letters, 2006, 23, 2105-2108.	3.3	8
8309	Sensing properties of buffered and not buffered carbon nanotubes by fibre optic and acoustic sensors. Measurement Science and Technology, 2006, 17, 1220-1228.	2.6	20
8310	Chemical Modification of Multiwalled Carbon Nanotubes by Vacuum Ultraviolet Irradiation Dry Process. Japanese Journal of Applied Physics, 2006, 45, 3573-3576.	1.5	8
8311	Possible Charge-Ordered States in Boron-Nitride and Boron-Carbon-Nitride Nanotubes and Nanoribbons. Japanese Journal of Applied Physics, 2006, 45, 7237-7239.	1.5	10
8312	Alkali-Halogen Plasma Generation Using Alkali Salt. Japanese Journal of Applied Physics, 2006, 45, 8075-8079.	1.5	4
8313	Surface Modification of Inorganic Nanotubes by Atom Transfer Radical Polymerization. ACS Symposium Series, 2006, , 279-294.	0.5	1
8314	Low-Temperature Synthesis of Aligned Carbon Nanofibers on Glass Substrates by Inductively Coupled Plasma Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2006, 45, 5326-5328.	1.5	3
8315	Analysis of Oxidation State of Multilayered Catalyst Thin Films for Carbon Nanotube Growth Using Plasma-Enhanced Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2006, 45, 8323-8329.	1.5	28
8316	Single-Wall Carbon Nanotube Field Effect Transistors with Non-Volatile Memory Operation. Japanese Journal of Applied Physics, 2006, 45, L1036-L1038.	1.5	20
8317	Growth of carbon nanotubes on cobalt catalyst film using electron cyclotron resonance chemical vapour deposition without thermal heating. Nanotechnology, 2006, 17, 4542-4547.	2.6	11
8318	Synthesis of Crystalline Carbon Nanotube Arrays on Anodic Aluminum Oxide Using Catalyst Reduction with Low Pressure Thermal Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2006, 45, 1869-1872.	1.5	11
8319	Are better conductors more rigid?. Europhysics Letters, 2006, 76, 325-331.	2.0	1
8320	Zinc oxide microtubes prepared by optical thermal evaporation. Journal Physics D: Applied Physics, 2006, 39, 46-49.	2.8	20
8321	Plasmons in isolated single-walled carbon nanotubes. Journal of Physics Condensed Matter, 2006, 18, 3197-3216.	1.8	14
8322	Low-energy electronic properties of the AB-stacked few-layer graphites. Journal of Physics Condensed Matter, 2006, 18, 5849-5859.	1.8	56

#	ARTICLE	IF	CITATIONS
8323	Finite single wall capped carbon nanotubes under hydrostatic pressure. Journal of Physics Condensed Matter, 2006, 18, 9119-9128.	1.8	10
8324	A general method for fabricating nanorods. Nanotechnology, 2006, 17, 3144-3148.	2.6	7
8325	Preparation and characterization of Fe-incorporated titanate nanotubes. Nanotechnology, 2006, 17, 5423-5427.	2.6	29
8326	Fracture resistance of zigzag single walled carbon nanotubes. Nanotechnology, 2006, 17, 1323-1332.	2.6	19
8327	Carbon Nanotube/Nanofibre Polymer Composites. , 2006, , 1-59.		36
8328	Dispersion, Bonding and Orientation of Carbon Nanotubes in Polymer Matrices. , 2006, , 61-98.		2
8329	Processing and Mechanical Properties Characterization of Hybrid Thermoset Polymer Composites with Micro-Fiber and Carbon Nano-Fiber Reinforcements. , 2006, , 141-189.		1
8330	Electrical investigations of layer-by-layer films of carbon nanotubes. Journal Physics D: Applied Physics, 2006, 39, 3077-3085.	2.8	34
8331	Effect of rapid thermal annealing (RTA) on thermal properties of carbon nanofibre (CNF) arrays. Journal Physics D: Applied Physics, 2006, 39, 4878-4885.	2.8	14
8332	Molecular Dynamics Study of Effects of Si-Doping Upon Structure and Mechanical Properties of Carbon Nanotube. Communications in Theoretical Physics, 2006, 45, 741-744.	2.5	26
8333	Symmetry of rolled-up rectangular lattice nanotubes. Journal of Physics Condensed Matter, 2006, 18, 8139-8147.	1.8	6
8334	Concept of nonvolatile memory based on multiwall carbon nanotubes. Nanotechnology, 2006, 17, 2475-2482.	2.6	48
8335	Effect of a focusing electric field on the formation of arc generated carbon nanotubes. Nanotechnology, 2006, 17, 5895-5902.	2.6	7
8336	Raman spectra of commensurate double-walled carbon nanotubes. Nanotechnology, 2006, 17, 747-752.	2.6	7
8337	Effects of a carbon nanotube layer on electrical contact resistance between copper substrates. Nanotechnology, 2006, 17, 2294-2303.	2.6	74
8338	Band structures of double-walled carbon nanotubes. Journal of Vacuum Science & Technology B, 2006, 24, 1098.	1.3	8
8339	Optical properties of BC[sub 3] nanotubes. Journal of Vacuum Science & Technology B, 2006, 24, 46.	1.3	4
8340	Defining and controlling double quantum dots in single-walled carbon nanotubes. Semiconductor Science and Technology, 2006, 21, S64-S68.	2.0	10

#	ARTICLE	IF	CITATIONS
8341	Simulation study of junction effect on field emission from one-dimensional nanostructure grown on silicon substrate. Journal of Vacuum Science & Technology B, 2006, 24, 918.	1.3	8
8342	Synthesis and emission properties of carbon nanotubes grown by sandwich catalyst stacks. Journal of Vacuum Science & Technology B, 2006, 24, 1017.	1.3	4
8343	Vertically aligned carbon nanotube field emission devices fabricated by furnace thermal chemical vapor deposition at atmospheric pressure. Journal of Vacuum Science & Technology B, 2006, 24, 1190.	1.3	8
8344	Growth and characterization of a high-purity ZnO nanoneedles film prepared by microwave plasma deposition. Journal of Vacuum Science & Technology B, 2006, 24, 1318.	1.3	8
8345	Field emission from multiwall carbon nanotubes prepared by electrodeposition without the use of a dispersant. Journal of Vacuum Science & Technology B, 2006, 24, 1362.	1.3	6
8346	Growth and application of highly ordered array of vertical nanoposts. Journal of Vacuum Science & Technology B, 2006, 24, 1925.	1.3	4
8347	Comparison of different methods to contact to nanowires. Journal of Vacuum Science & Technology B, 2006, 24, 2306.	1.3	28
8348	A novel algorithm to model the influence of host lattice flexibility in molecular dynamics simulations: Loading dependence of self-diffusion in carbon nanotubes. Journal of Chemical Physics, 2006, 124, 154706.	3.0	34
8349	Radial breathinglike mode of the collapsed single-walled carbon nanotube bundle under hydrostatic pressure. Applied Physics Letters, 2006, 88, 223114.	3.3	7
8350	Surface phase transitions in one-dimensional channels arranged in a triangular cross-sectional structure: Theory and Monte Carlo simulations. Journal of Chemical Physics, 2006, 125, 214705.	3.0	3
8351	Localized electrochemical oxidation of p-GaAs(100) using atomic force microscopy with a carbon nanotube probe. Nanotechnology, 2006, 17, 3838-3843.	2.6	10
8352	Magnetoelectronic properties of chiral carbon nanotubes and tori. Journal of Physics Condensed Matter, 2006, 18, 8313-8324.	1.8	1
8353	Functionalization and photoelectrochemical characterization of poly[3,3'-(vinylcarbazole)] multi-walled carbon nanotube (PVK-MWNT) Langmuir-Schaefer films. Nanotechnology, 2006, 17, 699-705.	2.6	31
8354	Nanomaterials and Nanomanufacturing. , 2006, , 551-614.		12
8355	Controllable synthesis of novel one-dimensional carbon nanomaterials on an alkali-element-modified Cu catalyst. Nanotechnology, 2006, 17, 224-226.	2.6	5
8356	Self-Doped Polyaniline Nanostructures for Casting Metal Nanorods. Electrochemical and Solid-State Letters, 2006, 9, G49-G52.	2.2	7
8357	Carbon nanotube as NEMS sensor - effect of chirality and stone-wales defect intend. Journal of Physics: Conference Series, 2006, 34, 824-828.	0.4	12
8358	Study of Graphitic Crystallites in Some Carbonized Residues Prepared From Catalytic Cracking of Asphalt. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 595-606.	2.1	3

#	ARTICLE	IF	CITATIONS
8359	In situ growth of SnO ₂ nanorods by plasma treatment of SnO ₂ thin films. Nanotechnology, 2006, 17, 3668-3672.	2.6	39
8360	Synthesis and Characterization of MoO ₃ Nanoribbons. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2006, 36, 23-28.	0.6	6
8361	Mechanical Properties of Silk Fiber Reinforced Polymer Composites with Carbon Nanotubes. Key Engineering Materials, 2006, 321-323, 921-924.	0.4	0
8362	Low-Cost Nanomanipulator for In Situ Experiments in a SEM. Microscopy and Microanalysis, 2006, 12, 311-316.	0.4	6
8363	Electron Holography of Ferromagnetic Nanoparticles Encapsulated in Three-Dimensional Arrays of Aligned Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2006, 962, 1.	0.1	1
8364	Gigantic Optical Stark Effect and Ultrafast Relaxation of Excitons in Single-Walled Carbon Nanotubes. Journal of the Physical Society of Japan, 2006, 75, 043709.	1.6	15
8365	Development of Electrostatic Actuated Nano Tensile Testing Device for Mechanical and Electrical Characteristics of FIB Deposited Carbon Nanowire. Materials Research Society Symposia Proceedings, 2006, 924, 1.	0.1	2
8366	Growth of Carbon Nanotubes on Surface of Carbon Fibers Rod. Key Engineering Materials, 2006, 317-318, 259-262.	0.4	2
8367	Atomistic Modeling of Elasticity and Fracture of a (10,10) Single Wall Carbon Nanotube. Materials Research Society Symposia Proceedings, 2006, 924, 1.	0.1	1
8368	Dynamic Mechanical Properties of MWNTs/Phenolic Nanocomposites. Key Engineering Materials, 2006, 306-308, 1073-1078.	0.4	2
8369	Preparation and Electrical Properties of Carbon Nanotubes Dispersed Zirconia Nanocomposites. Key Engineering Materials, 2006, 317-318, 661-664.	0.4	31
8370	Reactive Force Field Studies of Large-Deformation of Hybrid Carbon Nanotube-Metal Nanowires. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	0
8371	Relatively Low Temperature Growth of Carbon Nanotubes by Thermal Chemical Vapor Deposition using Novel Catalysts. Materials Research Society Symposia Proceedings, 2006, 922, 1.	0.1	0
8372	Catalytic Formation of Nanochannels in the Surface Layers of Diamonds by Metal Nanoparticles. Electrochemical and Solid-State Letters, 2006, 9, C114.	2.2	24
8373	Nitrogen-induced carbon nanobells and their properties. Journal of Materials Research, 2006, 21, 2767-2773.	2.6	28
8374	Microwave Permittivity of Multi-Walled Carbon Nanotubes. Advanced Materials Research, 2006, 11-12, 559-562.	0.3	13
8375	Fabrication and Modeling of Gated Field-Emission Devices Using Carbon Nanotubes on Si Substrates. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	0
8376	Multiwalled ice helices and ice nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19664-19667.	7.1	167

#	ARTICLE	IF	CITATIONS
8377	Carbon Nanotubes as Potential Cold Cathodes for Vacuum Microelectronic Applications. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	0
8378	Irradiation-induced structural modifications in multifunctional nanocarbons. Materials Research Society Symposia Proceedings, 2006, 956, 1.	0.1	1
8379	Carbon-Based Membranes. MRS Bulletin, 2006, 31, 765-769.	3.5	22
8380	Equal Channel Angular Pressing of Carbon Nanotube Reinforced Metal Matrix Nanocomposites. Key Engineering Materials, 2006, 326-328, 325-328.	0.4	16
8381	Synthesis of Nanotubular Titanate from Titanium Using Hydrothermal Treatment. Key Engineering Materials, 2006, 317-318, 247-250.	0.4	9
8382	Dispersion of Carbon Nanotubes in Polycarbonate and Its Effect on the Composite Properties. Materials Science Forum, 2006, 514-516, 1125-1130.	0.3	8
8383	Preparation and Electrical Properties of the MWNT/Polymer Nanocomposite Fibers. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	2
8384	Terahertz emitters and detectors based on carbon nanotubes. , 2006, , .		12
8385	On the strength of the carbon nanotube-based space elevator cable: from nanomechanics to megamechanics. Journal of Physics Condensed Matter, 2006, 18, S1971-S1990.	1.8	90
8386	Thermal CVD Growth of Carbon Nanotubes Thick Layers. Advances in Science and Technology, 2006, 48, 37.	0.2	2
8387	Structural Health Monitoring for Carbon Fiber/Carbon Nanotube (CNT)/Epoxy Composite Sensor. Key Engineering Materials, 2006, 321-323, 290-293.	0.4	7
8388	Electrical Property of Carbon Nanotube/PMMA/PVAc Composite Film. Advanced Materials Research, 2006, 11-12, 555-558.	0.3	0
8389	Hybrid MOS/CNTs Materials for Gas Sensing. Solid State Phenomena, 2006, 111, 19-24.	0.3	2
8390	Microstructure and Formation Mechanism of Carbon Nanotubes Filled with Metallic Silver Nanowires. Advanced Materials Research, 2006, 11-12, 587-590.	0.3	1
8391	Synthesis of Vertically Aligned Carbon Nanotubes by dc PECVD. Key Engineering Materials, 2006, 326-328, 333-336.	0.4	1
8392	Chapter 8 Interfaces, Bifaces, and Nanotechnology. Behavior Research Methods, 2006, , 251-267.	4.0	2
8393	Chapter 1 Nanotechnology and nanomaterials. Studies in Interface Science, 2006, , 1-69.	0.0	21
8394	Fabrication of Polymeric Composite Nanostructures Containing Ferritin Nanoparticles and Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2006, 921, 1.	0.1	1

#	ARTICLE	IF	CITATIONS
8395	Carbon Nanotubes-Adsorbed Polymeric Microspheres for Electrorheological Fluids. Key Engineering Materials, 2006, 321-323, 917-920.	0.4	1
8396	Mechanism of solid-liquid-solid on the silicon oxide nanowire growth. Journal of Vacuum Science & Technology B, 2006, 24, 613.	1.3	56
8397	Elastic Properties of Normal and Binormal Helical Nanowires. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	0
8398	Self-Assembled Conductive Network of Carbon Nanotubes in Polyaniline Forming Potential Nanocomposites. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	0
8399	Carbon Nanotube Thin Film Coating for Improved Thermal Management in Piezoceramic Sheet Actuators. Journal of Intelligent Material Systems and Structures, 2006, 17, 209-216.	2.5	9
8400	Nanotubes in Low Temperature Spray Deposited Nanocrystalline HgSe: I thin films. Materials Research Society Symposia Proceedings, 2006, 922, 1.	0.1	0
8401	Improvement of Field-Emission Properties of Screen Printed Carbon Nanotube Films via Argon Plasma Treatment. Journal of the Electrochemical Society, 2006, 153, H111.	2.9	2
8402	Microstructure and Mechanical Property of Carbon Nanotube and Continuous Carbon Fiber Reinforced Epoxy Resin Matrix Composites. Advanced Materials Research, 2006, 11-12, 517-520.	0.3	5
8403	Growth of Carbon Nanorods on Tungsten Filaments of Light Bulbs. Materials Science Forum, 2006, 510-511, 1002-1005.	0.3	0
8404	Elastic modulus of single-crystal GaN nanowires. Journal of Materials Research, 2006, 21, 2882-2887.	2.6	39
8405	Fabrication and Characterization of HA/CNT Bioceramics. Materials Science Forum, 2006, 532-533, 201-204.	0.3	3
8406	Titania Nanotubes Prepared by Templating Needle-Like Calcium Carbonate. Advanced Materials Research, 2006, 11-12, 539-542.	0.3	0
8407	Fabrication and Mechanical Properties of MWNTs/Phenolic Nanocomposites. Materials Science Forum, 2006, 505-507, 121-126.	0.3	7
8408	Preparation and Characterization of the Modified Carbon Nanotubes Enhanced Epoxy Resin Composites. Materials Science Forum, 2006, 505-507, 1075-1080.	0.3	5
8409	First Principles Modelling of Scroll-to-Nanotube Defect: Screw-Type Dislocation. Materials Science Forum, 2006, 527-529, 1583-1586.	0.3	1
8410	Synthesis of Carbon Nanotubes Using Hydrocarbon Ion Beams. Advanced Materials Research, 2006, 11-12, 547-550.	0.3	0
8411	Carbon Nanotubes Grown on Cu ⁺ /Ti ⁺ /Si(100) Assisted by Amorphous Carbon Nanotips in a Plasma-Enhanced CVD Process. Journal of the Electrochemical Society, 2006, 153, C747.	2.9	3
8412	Hydrothermal Synthesis and Characterization of Vanadium Oxide Nanotubes. Advanced Materials Research, 2006, 11-12, 535-538.	0.3	2

#	ARTICLE	IF	CITATIONS
8413	Probing Electronic Properties of dendritic Ruthenium Complex bound to Single Walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2006, 938, 1.	0.1	1
8414	Single carbon nanotube based infrared sensor. , 2006, 6395, 87.		13
8415	The role of molecular modeling in bionanotechnology. Physical Biology, 2006, 3, S40-S53.	1.8	68
8416	Molecular dynamics simulation on mechanical property of carbon nanotube torsional deformation. Chinese Physics B, 2006, 15, 2676-2681.	1.3	11
8417	Nonlinear interaction of electromagnetic waves with chiral carbon nanotubes: helical parametrization. , 2006, , .		1
8418	All-optical nanoscale read/write bit formation. Journal of Micro/ Nanolithography, MEMS, and MOEMS, 2006, 5, 011013.	0.9	0
8419	Gas temperature and surface heating in plasma enhanced chemical-vapour-deposition. Plasma Sources Science and Technology, 2006, 15, 783-789.	3.1	41
8420	Radial breathing vibration of multiwall carbon nanotubes based on a rigorous van der Waals interaction. Modelling and Simulation in Materials Science and Engineering, 2006, 14, 759-773.	2.0	7
8421	Atmospheric pressure chemical vapour deposition synthesis of sulfides, oxides, silicides and metal nanowires with metal chloride precursors. Nanotechnology, 2006, 17, S253-S261.	2.6	15
8422	Effect of Multi-Wall Carbon Nanotubes on the Mechanical Properties of Natural Rubber. Fullerenes Nanotubes and Carbon Nanostructures, 2006, 14, 641-649.	2.1	22
8423	A bound for the degree of regularity of a stochastic matrix. Russian Mathematical Surveys, 2006, 61, 186-187.	0.6	0
8424	Novel Nanocarbons: Global Topology and Curvature Perspectives. Materials Research Society Symposia Proceedings, 2006, 960, 1.	0.1	0
8425	Pool Boiling Experiments on Multiwalled Carbon Nanotube (MWCNT) Forests. Journal of Heat Transfer, 2006, 128, 1335-1342.	2.1	123
8426	Nanostructured Photovoltaics Materials Fabrication and Characterization. , 2006, , 567-594.		2
8427	Ultrasound-induced Functionalization and Solubilization of Carbon Nanotubes for Potential Nanotextiles Applications. Materials Research Society Symposia Proceedings, 2006, 920, 2.	0.1	4
8428	PLD Growth of CNTs using a Nanostuctured Ni Buffer Layer: Dependence of H ₂ partial Pressure. Materials Research Society Symposia Proceedings, 2006, 951, 15.	0.1	1
8429	Percolation Analysis of Electrical Conductivity and Mechanical Properties for CNT-Dispersed Y-TZP Nanocomposites. Advances in Science and Technology, 2006, 45, 1469-1474.	0.2	0
8430	Order/Disorder Hybrid Structures in Photonic Glass Materials. Advanced Materials Research, 2006, 11-12, 53-56.	0.3	2

#	ARTICLE	IF	CITATIONS
8431	Carbon Nanofiber Hybrid Actuators: Part I - Liquid Electrolyte-based. Journal of Intelligent Material Systems and Structures, 2006, 17, 107-116.	2.5	14
8432	Junctions of Carbon Nanotubes and Silicon Nanowires Synthesized by ethanol-Co Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	0
8433	C60 fullerene tubes as removable templates. Journal of Materials Research, 2006, 21, 529-534.	2.6	29
8434	Solvothermal synthesis of carbon nitrogen nanotubes and nanofibers. Journal of Materials Research, 2006, 21, 1658-1663.	2.6	11
8435	Bonding strength of a carbon nanofiber array to its substrate. Journal of Materials Research, 2006, 21, 2922-2926.	2.6	13
8436	Geoinspired synthetic chrysotile nanotubes. Journal of Materials Research, 2006, 21, 2711-2725.	2.6	43
8437	Effective Young's modulus of carbon nanofiber array. Journal of Materials Research, 2006, 21, 2948-2954.	2.6	12
8438	Deformation Micromechanics of Carbon-Nanotube/Epoxy Composites. Materials Research Society Symposia Proceedings, 2006, 924, 1.	0.1	2
8439	SYNTHESIS OF In ₂ O ₃ NANOWIRES ENHANCED BY ANODIC ALUMINA MEMBRANE. International Journal of Nanoscience, 2006, 05, 479-485.	0.7	1
8440	Symmetry-, time-, and temperature-dependent strength of carbon nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6105-6109.	7.1	229
8441	Effect of Tungsten on Synthesis of Multiwalled Carbon Nanotubes Using Cobalt as Catalyst. Japanese Journal of Applied Physics, 2006, 45, L50-L53.	1.5	12
8442	A Scalable Technique for the Synthesis of Carbon Nanotubes. , 2006, , .		2
8443	Interpretation of Coulomb oscillations in carbon-nanotube-based field-effect transistors. Physical Review B, 2006, 73, .	3.2	6
8444	Multi-Walled Carbon Nanotubes as Sorbent for Flow Injection On-Line Microcolumn Preconcentration Coupled with Flame Atomic Absorption Spectrometry for Determination of Cadmium and Copper. Analytical Letters, 2006, 39, 2285-2295.	1.8	57
8445	Rotational Dynamics and Friction in Double-Walled Carbon Nanotubes. Physical Review Letters, 2006, 97, 186106.	7.8	64
8446	Atomic and Electronic Structures of Carbon Nanotubes on Si(001) Stepped Surfaces. Physical Review Letters, 2006, 96, 105505.	7.8	29
8447	Preparation and Characterization of a Carbon Nanotube~Lyotropic Liquid Crystal Composite. Langmuir, 2006, 22, 854-856.	3.5	91
8448	Coalescence, melting, and mechanical characteristics of carbon nanotube junctions. Physical Review B, 2006, 74, .	3.2	22

#	ARTICLE	IF	CITATIONS
8449	Charge-induced strains in single-walled carbon nanotubes. Nanotechnology, 2006, 17, 4624-4628.	2.6	29
8450	Structure formation and fractionation in systems of polydisperse attractive rods. Journal of Chemical Physics, 2006, 125, 064908.	3.0	23
8451	Shot noise and conductance in metallic carbon nanotubes in the presence of correlated defects. Physical Review B, 2006, 73, .	3.2	9
8452	Interlayer Forces and Ultralow Sliding Friction in Multiwalled Carbon Nanotubes. Physical Review Letters, 2006, 97, 025501.	7.8	231
8453	Electrical transport properties of individual disordered multiwalled carbon nanotubes. Applied Physics Letters, 2006, 89, 192115.	3.3	14
8454	Role of Vacancies in the Adsorption of Quantum Noble Gases inside a Bundle of Carbon Nanotubes. Physical Review Letters, 2006, 96, 216102.	7.8	14
8455	Theoretical and Numerical Study of Torsional Buckling of Multiwall Carbon Nanotubes. Mechanics of Advanced Materials and Structures, 2006, 13, 329-337.	2.6	16
8456	Multidimensional manipulation of carbon nanotube bundles with optical tweezers. Applied Physics Letters, 2006, 88, 053123.	3.3	34
8457	Interplay between Structure and Magnetism in MoS ₂ Nanowires. Physical Review Letters, 2006, 96, 125502.	7.8	37
8458	Carbon nanotubes enhanced hydrogen adsorption in Magnesium-based nanocomposites. , 2006, , .		1
8459	Carbon Nanotubes in Electronics. , 2006, , .		0
8460	Single-walled carbon nanotube bundle under hydrostatic pressure studied by first-principles calculations. Physical Review B, 2006, 73, .	3.2	26
8461	Fabrication and Vapor-Phase Adsorption Characterization of Acetone and n-Hexane onto Carbon Nanofibers. Separation Science and Technology, 2006, 41, 3155-3168.	2.5	9
8462	Investigation of Carbon Nanotubes as Low Temperature Sensors. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2006, 36, 163-164.	0.6	15
8463	Can Carbon Nanotubes Extend the Lifetime of On-Chip Electrical Interconnections?. , 2006, , .		5
8464	Development of Low Dielectric Material Using Carbon Nanotubes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2006, 36, 161-162.	0.6	1
8465	One-dimensional semirelativity for electrons in carbon nanotubes. Physical Review B, 2006, 74, .	3.2	53
8466	Nanotubes stretched in liquid-metal-ion-sources and their influence on isotopic anomalies. Physical Review B, 2006, 73, .	3.2	3

#	ARTICLE	IF	CITATIONS
8467	Chiral symmetry analysis and rigid rotational invariance for the lattice dynamics of single-wall carbon nanotubes. Physical Review B, 2006, 73, .	3.2	29
8468	Spherical carbon particle growth in a methane plasma. Applied Physics Letters, 2006, 89, 171504.	3.3	18
8469	Calculation of Raman-active modes in linear and zigzag phases of fullerene peapods. Physical Review B, 2006, 74, .	3.2	22
8470	In situ fluorescence microscopy visualization and characterization of nanometer-scale carbon nanotubes labeled with 1-pyrenebutanoic acid, succinimidyl ester. Applied Physics Letters, 2006, 88, 213110.	3.3	25
8471	X-ray absorption fine structure (XAFS) analyses of Ni species trapped in graphene sheet of carbon nanofibers. Physical Review B, 2006, 73, .	3.2	48
8472	Parallel arrays of individually addressable single-walled carbon nanotube field-effect transistors. Journal of Applied Physics, 2006, 99, 024302.	2.5	32
8473	Luminescent enhancement in europium-doped yttria nanotubes coated with yttria. Applied Physics Letters, 2006, 88, 143104.	3.3	53
8474	Grooving the carbon nanotube oscillators. Applied Physics Letters, 2006, 88, 183107.	3.3	37
8475	In situ and real time determination of metallic and semiconducting single-walled carbon nanotubes in suspension via dielectrophoresis. Applied Physics Letters, 2006, 88, 243109.	3.3	28
8476	Single-crystalline cubic structured InP nanosprings. Applied Physics Letters, 2006, 88, 243106.	3.3	36
8477	Electromagnetic radiation of carbon nanotube array in microwave frequencies. , 2006, , .		0
8478	Scanning and transmission electron microscope images of a suspended single-walled carbon nanotube. Applied Physics Letters, 2006, 89, 013120.	3.3	11
8479	Hofstadter butterflies of carbon nanotubes: Pseudofractality of the magnetoelectronic spectrum. Physical Review B, 2006, 74, .	3.2	50
8480	Interaction of manganese with single-wall B ₂ O nanotubes: An ab initio study. Physical Review B, 2006, 73, .	3.2	2
8481	Growth and field emission properties of carbon nanotubes on glass substrate of Ni catalyst layer using PECVD. , 2006, , .		0
8482	Photoinduced currents in carbon nanotube/metal heterojunctions. Applied Physics Letters, 2006, 88, 131107.	3.3	40
8483	Current degradation mechanism of single wall carbon nanotube emitters during field emission. Applied Physics Letters, 2006, 89, 253115.	3.3	26
8484	Transport through the intertube links between two parallel carbon nanotubes. Physical Review B, 2006, 74, .	3.2	2

#	ARTICLE	IF	CITATIONS
8485	Twisting effects of carbon nanotube bundles subjected to axial compression and tension. Journal of Applied Physics, 2006, 99, 114312.	2.5	29
8486	Fast Growth of Carbon Nanowalls from Pure Methane using Helicon Plasma-Enhanced Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2006, 45, 5210-5212.	1.5	45
8487	Disorder induced bands in first order Raman spectra of carbon nanowalls. , 2006, , .		0
8488	Star-shaped cyclic-twinning nanowires. Applied Physics Letters, 2006, 88, 163107.	3.3	19
8489	Close-packed structures and phase diagram of soft spheres in cylindrical pores. Journal of Chemical Physics, 2006, 124, 131103.	3.0	31
8490	Theoretical study of the molecular and electronic structure of one-dimensional crystals of potassium iodide and composites formed upon intercalation in single-walled carbon nanotubes. Physical Review B, 2006, 73, .	3.2	39
8491	Linear scaling for quasi-one-dimensional systems. Physical Review B, 2006, 74, .	3.2	8
8492	Prediction of giant electroactuation for papyruslike carbon nanoscroll structures: First-principles calculations. Physical Review B, 2006, 74, .	3.2	63
8493	Current-induced curing of defective carbon nanotubes. Applied Physics Letters, 2006, 89, 183110.	3.3	36
8494	“Sliding kinetics” of single-walled carbon nanotubes on self-assembled monolayer patterns: Beyond random adsorption. Journal of Chemical Physics, 2006, 124, 224707.	3.0	29
8495	Electron beam-induced surface modification and nano-engineering of carbon nanotubes: Single-walled and multiwalled. Journal of Materials Research, 2006, 21, 3109-3123.	2.6	7
8496	Electrostatics of nanowire transistors with triangular cross sections. Journal of Applied Physics, 2006, 99, 054310.	2.5	54
8497	Photoluminescence study of ZnO nanotubes under hydrostatic pressure. Applied Physics Letters, 2006, 88, 133127.	3.3	34
8498	Parameters affecting deposition of multiwalled carbon nanotubes on a continuously fed substrate using arc discharge. , 2006, , .		0
8499	Indium Assisted Multiwalled Carbon Nanotube Array Thermal Interface Materials. , 0, , .		6
8500	Carbon Nanostructures Grown on Graphite Substrates without Catalyst by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2006, 45, 2872-2874.	1.5	6
8501	Elastic Modulus Investigation of Gallium Nitride Nanotubes. , 2006, , .		0
8502	Study of Electroless Ni-P-CNTs Composite Plating. Chinese Journal of Chemical Physics, 2006, 19, 259-264.	1.3	3

#	ARTICLE	IF	CITATIONS
8503	Vapor-liquid-solid mechanisms: Challenges for nanosized quantum cluster/dot/wire materials. Journal of Applied Physics, 2006, 100, 044315.	2.5	46
8504	Free fall plasma-arc reactor for synthesis of carbon nanotubes in microgravity. Review of Scientific Instruments, 2006, 77, 074101.	1.3	4
8505	Monitoring the chemical vapor deposition growth of multiwalled carbon nanotubes by tapered element oscillating microbalance. Journal of Chemical Physics, 2006, 124, 184705.	3.0	9
8506	Growth of aligned carbon nanotubes on carbon microfibers by dc plasma-enhanced chemical vapor deposition. Applied Physics Letters, 2006, 88, 033103.	3.3	21
8507	Carbon nanotubes as nanoelectromechanical systems components. , 2006, , 361-488.		1
8508	Electrochemical properties of carbon nanotubes. , 2006, , 297-321.		1
8509	Computation of Young's moduli for chiral single-walled carbon nanotubes. Applied Physics Letters, 2006, 88, 251908.	3.3	15
8510	Polyimide/Carbon Nanotubes Composite Films: A Potential for FPCB. , 2006, , .		3
8511	Self-assembly of antimony nanowires on graphite. Applied Physics Letters, 2006, 88, 233105.	3.3	25
8512	Atomic-level study of melting behavior of GaN nanotubes. Journal of Applied Physics, 2006, 100, 063503.	2.5	29
8513	Atomic Simulation of Structure and Deformation's Influence on the Mechanical Properties of Single-walled Carbon Nanotubes. Chinese Journal of Chemical Physics, 2006, 19, 294-300.	1.3	2
8514	Measurement of Young's modulus of carbon nanotubes by nanoprobe manipulation in a transmission electron microscope. Applied Physics Letters, 2006, 88, 153115.	3.3	61
8515	Evolution of electronic structure and spectral evaluation in single-crystal Mn ₃ O ₄ nanorods. Journal of Chemical Physics, 2006, 124, 184707.	3.0	14
8516	Factors Affecting the Growth of Carbon Nanotubes. , 2006, , .		0
8517	Controlled preparation and electron emission properties of three-dimensional micropatterned aligned carbon nanotubes. Applied Physics Letters, 2006, 89, 103103.	3.3	14
8518	Theoretical prediction of stress-induced phase transformations of the second kind in graphene. Physical Review B, 2006, 73, .	3.2	9
8519	Carbon nanotube adsorbed on a hydrogenated Si-rich SiC(100)(3Å–2)surface: First-principles pseudopotential calculations. Physical Review B, 2006, 74, .	3.2	8
8520	Interaction between a single Pt atom and a carbon nanotube studied by density functional theory. Physical Review B, 2006, 73, .	3.2	38

#	ARTICLE	IF	CITATIONS
8521	Bending stability of multiwalled carbon nanotubes. Physical Review B, 2006, 73, .	3.2	40
8522	Oneâ€Dimensional Magnetic Composite of Polypyrroleâ€Containing Carbon Nanotubes/Ni _{0.75} Zn _{0.25} Fe ₂ O ₄ . Journal of Macromolecular Science - Physics, 2006, 45, 541-547.	1.0	1
8523	Mechanical Design of Compliant Parallel Micromanipulators for Nano Scale Manipulation. , 2006, , .		6
8524	Buckling and competition of energy and entropy lead conformation of single-walled carbon nanocones. Applied Physics Letters, 2006, 89, 131923.	3.3	11
8525	Quantitative nanoscale modulus measurements and elastic imaging of SnO ₂ nanobelts. Journal of Applied Physics, 2006, 100, 124308.	2.5	38
8526	Amperometric Biosensors for Glucose Based on Layerâ€byâ€Layer Assembled Functionalized Carbon Nanotube and Poly (Neutral Red) Multilayer Film. Analytical Letters, 2006, 39, 1785-1799.	1.8	36
8527	Fabrication and electronic transport properties of Bi nanotube arrays. Applied Physics Letters, 2006, 88, 103119.	3.3	98
8528	Nanopatterned Working Electrode with Carbon Nanotubes Improving Electrochemical Sensors. , 2006, , .		9
8529	Deformation of multiwalled nanometer-sized carbon capsules. Applied Physics Letters, 2006, 89, 191914.	3.3	8
8530	Effects of electric fields on proton transport through water chains. Journal of Chemical Physics, 2006, 124, 204510.	3.0	27
8531	Development of Carbon Nanotube Bumps for Ultra Fine Pitch Flip Chip Interconnection. , 2006, , .		6
8532	Real-time global Raman imaging and optical manipulation of suspended carbon nanotubes. Physical Review B, 2006, 73, .	3.2	35
8533	Fabrication of clean carbon nanotube field emitters. Applied Physics Letters, 2006, 88, 113101.	3.3	21
8534	Diameter dependence of exciton-phonon interaction in individual single-walled carbon nanotubes studied by microphotoluminescence spectroscopy. Physical Review B, 2006, 73, .	3.2	42
8535	Nonlinear deformation and progressive failure of multiwalled carbon nanotubes under internal radial pressure. Physical Review B, 2006, 74, .	3.2	9
8536	Alkali-halogen plasma generation by dc magnetron discharge. Applied Physics Letters, 2006, 88, 191501.	3.3	11
8537	Broad boron sheets and boron nanotubes: Anab initiostudy of structural, electronic, and mechanical properties. Physical Review B, 2006, 74, .	3.2	224
8538	Selecting the growth sites of carbon nanotubes on silicon substrates by ion implantation. Applied Physics Letters, 2006, 88, 263115.	3.3	5

#	ARTICLE	IF	CITATIONS
8539	Modulation of Luttinger liquid exponents in multiwalled carbon nanotubes. Physical Review B, 2006, 74, .	3.2	6
8540	Symmetry restrictions in the chirality dependence of physical properties of single-wall nanotubes. Physical Review B, 2006, 73, .	3.2	5
8541	Field emission image uniformity improvement by laser treating carbon nanotube powders. Applied Physics Letters, 2006, 88, 193127.	3.3	47
8542	Growth and structure of prismatic boron nitride nanorods. Physical Review B, 2006, 74, .	3.2	14
8543	Preparation of Well-aligned CNT Arrays Catalyzed with Porous Anodic Aluminum Oxide Template. Chinese Journal of Chemical Physics, 2006, 19, 79-83.	1.3	10
8544	STRUCTURE AND PROPERTIES OF BARIUM STRONTIUM TITANATE NANOPARTICLES SYNTHESIZED BY A HYDROTHERMAL METHOD. Integrated Ferroelectrics, 2006, 78, 289-297.	0.7	2
8545	Force Distribution for Double-Walled Carbon Nanotubes. , 2006, , .		3
8546	Wave propagation in carbon nanotubes under shear deformation. Nanotechnology, 2006, 17, 2773-2782.	2.6	20
8547	An Efficient and Symbolic Model for Charge Densities in Ballistic Carbon Nanotube FETs. , 2006, , .		4
8548	Stability of multi-walled carbon nanotubes under combined bending and axial compression loading. Nanotechnology, 2006, 17, 815-823.	2.6	22
8549	Combined torsional buckling of multi-walled carbon nanotubes. Journal Physics D: Applied Physics, 2006, 39, 3380-3387.	2.8	23
8550	Bending stability of multi-wall carbon nanotubes embedded in an elastic medium. Modelling and Simulation in Materials Science and Engineering, 2006, 14, 99-116.	2.0	20
8551	Bifurcate mechanism and field emission of novel top branched carbon nanotube. , 2006, , .		0
8552	Gas-phase and sample characterizations of multiwall carbon nanotube growth using an atmospheric pressure plasma. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 1812-1817.	2.1	7
8553	Thermal Conductivity of Single-wall Carbon Nanotubes Filled with Argon. , 2006, , .		2
8554	Buckypaper's Fabrication and Application to Passive Vibration Control. , 2006, , .		1
8555	Field Emission Characteristics of ZnO Nanowire and Its Application to Luminescent Tubes. , 2006, , .		0
8556	Quantifying oxygen diffusion in ZnO nanobelt. Applied Physics Letters, 2006, 89, 063125.	3.3	28

#	ARTICLE	IF	CITATIONS
8557	Characteristics of single metallic nanowire growth via a field-emission induced process. Journal of Applied Physics, 2006, 99, 064309.	2.5	19
8558	Preparation and Field Emission Properties of Carbon Nanotubes Grown on Novel Porous Pyrolyzed Polyaniline Substrate. , 2006, , .		0
8559	Electrical and Mechanical Characterization of Carbon Nanotube Filled Conductive Adhesive. , 0, , .		4
8560	Nonlinear optical susceptibility of deformed achiral carbon nanotubes studied from first-principles calculations. Applied Physics Letters, 2006, 89, 013102.	3.3	6
8561	The effect of atomic vacancies and grain boundaries on the mechanical properties of single-crystal GaN nanotubes. Journal of Applied Physics, 2006, 99, 104314.	2.5	17
8562	Exciton Localization of Single-Walled Carbon Nanotubes Revealed by Femtosecond Excitation Correlation Spectroscopy. Physical Review Letters, 2006, 97, 257401.	7.8	57
8563	Effect of gravity on the growth of vertical single-walled carbon nanotubes in a chemical vapor deposition process. Applied Physics Letters, 2006, 89, 033117.	3.3	5
8564	Thermal motion of carbon clusters and production of carbon nanotubes by gravity-free arc discharge. Journal of Applied Physics, 2006, 99, 104301.	2.5	10
8565	Interfacial energy and strength of multiwalled-carbon-nanotube-based dry adhesive. Journal of Vacuum Science & Technology B, 2006, 24, 331.	1.3	198
8566	Shaping different carbon nano- and submicro-structures by alcohol chemical vapor deposition. Journal of Materials Research, 2006, 21, 2504-2509.	2.6	1
8567	Semiconducting single-walled carbon nanotubes exposed to distilled water and aqueous solution: Electrical measurement and theoretical calculation. Applied Physics Letters, 2006, 88, 053114.	3.3	13
8568	Selective growth of graphite micro-rods with SiO ₂ nanowire cores by chemical vapor deposition. Applied Physics Letters, 2006, 88, 113102.	3.3	2
8569	Cutting of carbon nanotubes assisted with oxygen gas inside a scanning electron microscope. Applied Physics Letters, 2006, 89, 113104.	3.3	35
8570	Contact Dependence of Carrier Injection in Carbon Nanotubes: An Ab Initio Study. Physical Review Letters, 2006, 96, 076802.	7.8	194
8571	Intertube interactions in carbon nanotube bundles. Physical Review B, 2006, 73, .	3.2	41
8572	Nanorobotic Manipulator Controlled Nanowire Growth. , 2006, , .		3
8573	MOLECULAR DYNAMICS SIMULATION OF SELF-ASSEMBLED CARBON NANOTUBES. International Journal of Nanoscience, 2006, 05, 835-839.	0.7	4
8574	Self-healing properties of flaws in nanoscale materials: Effects of soft and hard molecular dynamics simulations and boundaries studied using a continuum mechanical model. Physical Review B, 2006, 73, .	3.2	12

#	ARTICLE	IF	CITATIONS
8575	The growth and superhydrophobicity of a perfluorocarbon nanoneedle array on an SiO ₂ /sub 2/ surface. IEEE Nanotechnology Magazine, 2006, 5, 415-419.	2.0	10
8576	Field Emission Characteristics of Carbon Nanocoils Grown on Copper Micro-tips. , 2006, , .		3
8577	Large-amplitude coherent phonons and inverse Stone-Wales transitions in graphitic systems with defects interacting with ultrashort laser pulses. Physical Review B, 2006, 74, .	3.2	15
8578	Diamond cone arrays with controlled morphologies formed by self-organized selective ions sputtering. Journal of Applied Physics, 2006, 100, 034312.	2.5	13
8579	Catalytic chemical vapor deposition of single-walled carbon nanotubes. , 2006, , 81-107.		1
8580	Solid-state formation of carbon nanotubes. , 2006, , 53-80.		8
8581	Effect of chirality on buckling behavior of single-walled carbon nanotubes. Journal of Applied Physics, 2006, 100, 074304.	2.5	73
8582	Strongly correlated electron physics in nanotube-encapsulated metallocene chains. Physical Review B, 2006, 74, .	3.2	19
8583	Efficient fabrication of field electron emitters from the multiwalled carbon nanotube yarns. Applied Physics Letters, 2006, 89, 063101.	3.3	71
8584	Electromagnetic scattering from finite-length metallic carbon nanotubes in the lower IR bands. Physical Review B, 2006, 74, .	3.2	45
8585	Impact response by a foamlike forest of coiled carbon nanotubes. Journal of Applied Physics, 2006, 100, 064309.	2.5	72
8586	Molecular dynamics study of carbon nanotube oscillators revisited. Journal of Chemical Physics, 2006, 124, 134705.	3.0	35
8587	Boron nitride microfibers grown by plasma-assisted laser chemical vapor deposition without a metal catalyst. Applied Physics Letters, 2006, 88, 151914.	3.3	8
8588	Orbiting Buckyballs Inside Nanotori. , 2006, , .		0
8589	Local structure around Ga in ultrafine GaNâ•ZnO coaxial nanorod heterostructures. Applied Physics Letters, 2006, 88, 111910.	3.3	8
8590	A Modified Molecular Structural Mechanics Method for Analysis of Carbon Nanotubes. Chinese Journal of Chemical Physics, 2006, 19, 286-290.	1.3	12
8591	Nanofabrication of Carbon Nanotubes Assisted with Oxygen Gas. , 2006, , .		1
8592	Nanotube field of C ₆₀ molecules in carbon nanotubes: Atomistic versus continuous approach. Physical Review B, 2006, 74, .	3.2	33

#	ARTICLE	IF	CITATIONS
8593	Electron scattering in a multiwall carbon nanotube bend junction studied by scanning tunneling microscopy. Physical Review B, 2006, 74, .	3.2	15
8594	Synthesis and Morphological Evolution of CuGaS ₂ Nanostructures via a Polyol Method. Chinese Journal of Chemical Physics, 2006, 19, 335-340.	1.3	6
8595	Coulomb scattering rates of excited carriers in moderate-gap carbon nanotubes. Physical Review B, 2006, 73, .	3.2	4
8596	Investigation on Potential Microwave Absorbability of Polyester-composites Filled with Carbon Nanotubes. , 2006, , .		3
8597	Theoretical investigation on the stability and properties of a (10,0) BN-AlN nanotube junction. Nanotechnology, 2006, 17, 1637-1641.	2.6	18
8598	Mechanical Manipulation of Hexagonal Phase Boron Nitride Nanowires on the silicon substrate utilizing Atomic Force Microscope. , 2006, , .		0
8599	Effects of a-C:Fe Catalyst Deposition Method on the Growth of Carbon Nanotubes. , 0, , .		0
8600	Controlled nanowire growth with a nanorobotic manipulator. Nanotechnology, 2006, 17, 3023-3027.	2.6	19
8601	DC Characterisation of C ₆₀ Whiskers and Nanowhiskers. ECS Transactions, 2006, 2, 27-38.	0.5	26
8603	Tuning the electronic structures of semiconducting SiC nanotubes by N and NH _x (x=1,2) groups. Journal of Chemical Physics, 2006, 125, 194710.	3.0	30
8604	Synthesis of carbon nanofibres from a liquid solution containing both catalyst and polyethylene glycol. Nanotechnology, 2006, 17, 4629-4634.	2.6	11
8605	Biological applications of functionalized carbon nanoparticles. , 2006, , 265-276.		1
8606	TENSILE PROPERTIES AND ELECTRONIC STRUCTURES OF C ₂₄₀ NANOTUBE AND 4C ₆₀ FULLERENE POLYMERS. International Journal of Nanoscience, 2006, 05, 99-107.	0.7	3
8607	EFFECT OF REACTION TEMPERATURE ON THE PRODUCTION OF CARBON NANOTUBES. Nano, 2006, 01, 251-257.	1.0	27
8608	Dependence of field emission properties of carbon nanotube films on their graphitization. Journal of Vacuum Science & Technology B, 2006, 24, 1794.	1.3	17
8609	Electronic and transport properties of different boron-doped (12,0)/(6,6) carbon nanotube junctions. Journal of Physics Condensed Matter, 2006, 18, 9585-9592.	1.8	1
8610	Why alkali metals preferably bind on structural defects of carbon nanotubes: A theoretical study by first principles. Journal of Chemical Physics, 2006, 125, 204707.	3.0	40
8612	VERTICALLY ALIGNED CARBON NANOTUBES AT DIFFERENT TEMPERATURES BY SPRAY PYROLYSIS TECHNIQUES. International Journal of Modern Physics B, 2006, 20, 4965-4972.	2.0	6

#	ARTICLE	IF	CITATIONS
8613	Low Energy Ion Channelling in Single-Wall Nanotubes. Chinese Physics Letters, 2006, 23, 2169-2171.	3.3	1
8614	Length dependence of linear and nonlinear optical properties of finite-length BN(5,0) nanotube. Chinese Physics B, 2006, 15, 1563-1569.	1.3	2
8615	FORMATION OF CARBON NANOSTRUCTURES DURING PYROLYSIS OF POLYMERS. International Journal of Nanoscience, 2006, 05, 425-431.	0.7	2
8616	Optical Phonon Interacting with Electrons in Carbon Nanotubes. Journal of the Physical Society of Japan, 2006, 75, 084713.	1.6	83
8617	Effects of Plasma Power and Plasma Sheath on Field Emission Properties of Carbon Nanotubes. Japanese Journal of Applied Physics, 2006, 45, 8406-8411.	1.5	1
8618	Radiation hardness of the electrical properties of carbon nanotube network field effect transistors under high-energy proton irradiation. Nanotechnology, 2006, 17, 5675-5680.	2.6	54
8619	Titanate nano-whisker electrorheological fluid with high suspended stability and ER activity. Nanotechnology, 2006, 17, 192-196.	2.6	85
8620	Ion separation using a Y-junction carbon nanotube. Nanotechnology, 2006, 17, 895-900.	2.6	96
8621	Structural and Optical Investigation of Copper Nanoparticle and Microfiber Produced by Using Carbon Nanotube as Templates. , 2006, , .		0
8622	Symmetry Based Approach to the Evaluation of Second Order NLO Properties of Carbon Nanotubes. Challenges and Advances in Computational Chemistry and Physics, 2006, , 319-335.	0.6	0
8623	MoS2 FULLERENE-LIKE NANOPARTICLES AND NANOTUBES USING GAS-PHASE REACTION WITH MoCl5. Nano, 2006, 01, 167-180.	1.0	17
8624	Development of a Nanohandling Robot Station for Nanocharacterization by an AFM Probe. , 2006, , .		6
8626	A Numerical Study of the Performance Characteristics of a Radial Turbine with Varying Inlet Blade Angle. , 2006, , 169-181.		3
8627	Thiolation of carbon nanotubes and sidewall functionalization. Journal of Materials Research, 2006, 21, 1012-1018.	2.6	37
8628	Mechanisms of nanoindentation on single-walled carbon nanotubes: The effect of nanotube length. Journal of Materials Research, 2006, 21, 1048-1070.	2.6	33
8629	Preparation of Nanocrystalline Inorganic Materials by Impulse Plasma in Liquid. Advanced Materials Research, 2006, 15-17, 549-552.	0.3	1
8630	SINGLE WALL BAMBOO SHAPED CARBON NANOTUBE: A MOLECULAR DYNAMICS AND ELECTRONIC STUDY. International Journal of Modern Physics C, 2006, 17, 187-196.	1.7	2
8631	Characterisation of the Growth Mechanism during PECVD of Multiwalled Carbon Nanotubes. , 0, , 77-93.		9

#	ARTICLE	IF	CITATIONS
8632	Carbon "peapods" a new tunable nanoscale graphitic structure (Review). Low Temperature Physics, 2006, 32, 887-905.	0.6	46
8633	Fabrication of GaN nanotubular material using MOCVD with an aluminium oxide membrane. Nanotechnology, 2006, 17, 54-59.	2.6	52
8634	Numerical Study of the Dynamical Conductivity in Carbon Nanotubes. Journal of the Physical Society of Japan, 2006, 75, 094711.	1.6	7
8635	Formation, Atomic Structures and Properties of Carbon Nanocage Materials. Topics in Applied Physics, 2006, , 187-216.	0.8	27
8636	Microwave Sintering of Ceramics, Composites and Metallic Materials, and Melting of Glasses. Transactions of the Indian Ceramic Society, 2006, 65, 129-144.	1.0	131
8637	Energies of sp ² carbon shapes with pentagonal disclinations and elasticity theory. Nanotechnology, 2006, 17, 3598-3606.	2.6	14
8638	AFM Applications for Analysis of Fullerene-Like Nanoparticles. Nanoscience and Technology, 2006, , 327-342.	1.5	0
8639	Amperometric Biosensor for Hydrogen Peroxide Based on Myoglobin Doped Multiwalled Carbon Nanotube Enhanced Grafted Collagen Matrix. Analytical Letters, 2007, 40, 1556-1568.	1.8	17
8640	Chapter 10 Nano-confined water. Theoretical and Computational Chemistry, 2007, 18, 245-274.	0.4	8
8641	Water adsorption in ion-bearing nanopores. Journal of Chemical Physics, 2007, 126, 024703.	3.0	17
8642	Characterization and Electrocatalytic Property of Cobalt Hexacyanoferrate Film on Carbon Nanotubes Modified Gold Electrode. Analytical Letters, 2007, 40, 1610-1621.	1.8	6
8643	Elastic Oscillations of the Space Elevator Ribbon. Journal of Guidance, Control, and Dynamics, 2007, 30, 1711-1717.	2.8	35
8644	Endohedral Metallofullerenes and Nano-Peapods. Japanese Journal of Applied Physics, 2007, 46, 881-891.	1.5	48
8645	Programming Nanotechnology: Learning from Nature. Advances in Computers, 2007, 71, 1-37.	1.6	3
8646	CHANNELING PROJECTS AT LNF: FROM CRYSTAL UNDULATORS TO CAPILLARY WAVEGUIDES. International Journal of Modern Physics A, 2007, 22, 4280-4309.	1.5	3
8647	SILICON-BASED HALF-METAL: METAL-ENCAPSULATED SILICON NANOTUBE. Nano, 2007, 02, 109-114.	1.0	9
8648	Substitution-induced structural transformation in Mn-doped ZnS nanorods studied by positron annihilation spectroscopy. Nanotechnology, 2007, 18, 225606.	2.6	16
8649	ELECTRONIC STRUCTURE OF FINITE-LENGTH CARBON NANOTUBES: CROSSOVER FROM FULLERENES TO NANOTUBES. Nano, 2007, 02, 51-57.	1.0	16

#	ARTICLE	IF	CITATIONS
8650	FLOW SENSING CHARACTERISTICS OF THIN FILM BASED ON MULTI-WALL CARBON NANOTUBES. International Journal of Modern Physics B, 2007, 21, 3473-3476.	2.0	2
8651	Electronic and optical properties of finite carbon nanotubes in an electric field. Nanotechnology, 2007, 18, 075704.	2.6	8
8652	Low-temperature mean-free path of phonons in carbon nanotubes. Journal of Physics: Conference Series, 2007, 92, 012076.	0.4	12
8653	A Study on the Properties of Semiconductive Shield Materials for Power Cables in accordance with Content of Carbon Nanotubes. , 2007, , .		0
8654	A three dimensional Multi-Walled Carbon Nanotube based thermal sensor on a flexible Parylene substrate. , 2007, , .		5
8655	Wave dispersion characteristics in fluid-filled carbon nanotubes embedded in an elastic medium. Modelling and Simulation in Materials Science and Engineering, 2007, 15, 427-439.	2.0	17
8656	Electromagnetic modeling of carbon nanotube interconnects. , 2007, , .		1
8657	Effect of Catalyst Film Thickness on the Growth, Microstructure and Field Emission Characteristics of Carbon Nanotubes. , 2007, , .		4
8658	A new method for nano-tube imogolite synthesis. , 2007, , .		0
8659	Fabrication and Evaluation of Carbon Nanotube-Parylene Functional Composite-Films. , 2007, , .		6
8660	Single Carbon Nanotube Pirani Gauge By Local Synthesis. , 2007, , .		2
8662	A Study on the Properties of Semiconductive Shield Materials for Power Cables in accordance with Content of Multi-Walled Carbon Nanotubes. , 2007, , .		3
8663	Biogenic formation of photoactive arsenic-sulfide nanotubes by <i>Shewanella</i> sp. strain HN-41. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20410-20415.	7.1	127
8664	Preparation and Characterization of Poly (1, 3-propylene glycol-hexanedioic acid)-functionalized Carbon Nanotubes. High Performance Polymers, 2007, 19, 451-461.	1.8	5
8665	Synthesis and Characterization of Carbon Nanostructures as Catalyst Support for PEMFCs. Journal of the Electrochemical Society, 2007, 154, B310.	2.9	10
8666	FUNCTIONALITY COMPARISONS OF SINGLE AND MULTI-WALLED NANOTUBES WITH GRAPHITIC FIBERS. International Journal of Nanoscience, 2007, 06, 149-153.	0.7	1
8667	Plasma-induced field emission and plasma expansion of carbon nanotube cathodes. Journal Physics D: Applied Physics, 2007, 40, 3456-3460.	2.8	13
8668	Plasma Activation of Integrated Carbon Nanotube Electrodes for Electrochemical Detection of Catechol. Plasma Science and Technology, 2007, 9, 194-197.	1.5	12

#	ARTICLE	IF	CITATIONS
8669	Chapter 9 Modeling and simulations of carbon nanotubes. Theoretical and Computational Chemistry, 2007, , 227-244.	0.4	0
8670	Carbon nanotubes and porphyrins: an exciting combination for optoelectronic devices. Journal of Porphyrins and Phthalocyanines, 2007, 11, 348-358.	0.8	20
8671	Y-Shaped Carbon Nanowires Obtained from Ethanol Flames and their Growth Mechanism. Advanced Materials Research, 2007, 26-28, 711-714.	0.3	0
8672	A new approach towards improving the quality and yield of arc-generated carbon nanotubes. Journal Physics D: Applied Physics, 2007, 40, 4829-4835.	2.8	12
8673	IMAGING 0.4 nm SINGLE-WALLED CARBON NANOTUBES WITH ATOMIC FORCE MICROSCOPY. Surface Review and Letters, 2007, 14, 687-692.	1.1	0
8674	Improved field emission properties of thiolated multi-wall carbon nanotubes on a flexible carbon cloth substrate. Nanotechnology, 2007, 18, 395702.	2.6	45
8675	Electrochemical Reduction of Oxygen on Multiwalled Carbon Nanotube Modified Glassy Carbon Electrodes in Acid Media. Electrochemical and Solid-State Letters, 2007, 10, F18.	2.2	73
8676	A Three Dimensional Thermal Sensor Based on Single-Walled Carbon Nanotubes. , 2007, , .		11
8677	The Biological Effects of the Carbon Nanotubes and NanoTiO ₂ as well as Their Toxicities. , 2007, , .		0
8678	Construction of carbon nanotube networks using ferroin solution. , 2007, , .		0
8679	Factors affecting synthesis of single wall carbon nanotubes in arc discharge. Journal Physics D: Applied Physics, 2007, 40, 2388-2393.	2.8	112
8681	Three-dimensional nano electronics by dielectrophoretic assembly on a flexible substrate. , 2007, , .		1
8682	First principles and MD simulation study of the interaction of functionalized carbon nanotubes with water molecules. , 2007, , .		0
8683	Quantitative evaluation of nanotube content produced by arc discharge in a raw material. Philosophical Magazine, 2007, 87, 1123-1137.	1.6	7
8684	Plasma Nanoscience: From Nature's Mastery to Deterministic Plasma-Aided Nanofabrication. IEEE Transactions on Plasma Science, 2007, 35, 127-136.	1.3	33
8685	Electrical discharge machining of carbon nanomaterials: Mechanisms and the advanced field emission applications. , 2007, , .		0
8686	Risky Talk: Framing the Analysis of the Social Implications of Nanotechnology. Bulletin of Science, Technology and Society, 2007, 27, 349-366.	2.9	7
8687	Fabrication and Tribological Properties of Polymer-Carbon Nanotubes Nanocomposites. Key Engineering Materials, 2007, 334-335, 661-664.	0.4	6

#	ARTICLE	IF	CITATIONS
8688	Fabrication and Dielectric Properties of CNTs/SiO ₂ Composites. Key Engineering Materials, 2005, 280-283, 123-126.	0.4	8
8689	Tolman Effect on Fluid Dynamics in Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2007, 15, 417-426.	2.1	1
8690	Finite Element Based Characterization of Carbon Nanotubes. Journal of Reinforced Plastics and Composites, 2007, 26, 1557-1570.	3.1	22
8691	Molecular Dynamic Simulation Study of AFM Single-Wall Carbon Nanotube Tip-Surface Interactions. Key Engineering Materials, 2007, 339, 206-210.	0.4	5
8692	Torsional Buckling of Multi-walled Carbon Nanotubes Subjected to Torsional Loads. Journal of Reinforced Plastics and Composites, 2007, 26, 479-494.	3.1	11
8693	Nanotoxicology. , 0, , .		70
8694	Boron nitride nanotube branched nanojunctions. Nanotechnology, 2007, 18, 155605.	2.6	18
8695	Chapter 7 Toward nanomaterials: Structural, energetic and reactivity aspects of single-walled carbon nanotubes. Theoretical and Computational Chemistry, 2007, 18, 167-199.	0.4	13
8696	The Rheology and Microstructure of Carbon Nanotube (CNT) Suspensions. AIP Conference Proceedings, 2007, , .	0.4	4
8697	Pentaheptide Alotropes Of Carbon Nanotubes. AIP Conference Proceedings, 2007, , .	0.4	0
8698	First-principles study of interaction between H ₂ molecules and BN nanotubes with BN divacancies. Journal of Chemical Physics, 2007, 127, 164718.	3.0	19
8699	Vanadate Conformation Variations in Vanadium Pentoxide Nanostructures. Journal of the Electrochemical Society, 2007, 154, K29.	2.9	65
8700	On Elastic Properties of Single-walled Carbon Nanotubes as Composite Reinforcing Fillers. Journal of Composite Materials, 2007, 41, 1123-1135.	2.4	19
8701	Multiwalled Carbon Nanotubes Catalytically Grown from Amorphous Silica Films Deposited by Combustion CVD. Particulate Science and Technology, 2007, 25, 129-137.	2.1	1
8702	Discoitâ€Functionalized Nanomaterials. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2007, 37, 327-331.	0.6	19
8703	Morphology of Carbon Nanostructures in Alcohol Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2007, 46, 6091-6094.	1.5	7
8704	Microwave Irradiation: An Important Tool to Functionalize Fullerenes and Carbon Nanotubes. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 766-782.	1.1	40
8705	Effects of doping nitrogen atoms on the structure and electronic properties of zigzag single-walled carbon nanotubes through first-principles calculations. Nanotechnology, 2007, 18, 165702.	2.6	72

#	ARTICLE	IF	CITATIONS
8706	SUPERCRITICAL FLUID PROCESSING OF FUNCTIONAL OXIDE CORE-SHELL NANOCABLE ARRAYS. Integrated Ferroelectrics, 2007, 92, 77-86.	0.7	0
8707	Storage and Transportation Opportunities of Hydrogen. Energy Sources, Part B: Economics, Planning and Policy, 2007, 2, 287-295.	3.4	15
8708	Nanoelectromechanical Systems " Experiments and Modeling. Nanoscience and Technology, 2007, , 135-196.	1.5	3
8709	Potential uses of carbon nanotubes in the medical field: how worried should patients be?. Nanomedicine, 2007, 2, 407-410.	3.3	34
8710	Nanomaterial Based Environmental Sensors. , 2007, , 439-497.		0
8711	MICRO- AND NANOSCALE GRAPHITE CONES AND TUBES FROM HACKMAN VALLEY, KOLA PENINSULA, RUSSIA. Canadian Mineralogist, 2007, 45, 379-389.	1.0	27
8712	Development of Carbon Nanotube Field Emitters for X-Ray Source. , 2007, , 549.		0
8713	Thermal Conductivity and Specific Heat Capacity of Carbon Nanotube Bundles. , 2007, , 517.		0
8714	Multiscale Constitutive Modeling of Polymer Materials. , 2007, , 179.		2
8715	Thermal Buckling of Multi-Walled Carbon Nanotubes by Nonlocal Elasticity. Journal of Applied Mechanics, Transactions ASME, 2007, 74, 399-405.	2.2	73
8716	Vibration Characteristics of Multiwalled Carbon Nanotubes Embedded in Elastic Media by a Nonlocal Elastic Shell Model. Journal of Applied Mechanics, Transactions ASME, 2007, 74, 1087-1094.	2.2	63
8717	An Equivalent Orthotropic Representation of the Nonlinear Elastic Behavior of Multiwalled Carbon Nanotubes. Journal of Engineering Materials and Technology, Transactions of the ASME, 2007, 129, 431-439.	1.4	12
8718	Simulation and Validation of CNT Mechanical Properties - The Future Interconnection Material. , 2007, , .		2
8719	Nanowebs and nanocables of silicon carbide. Nanotechnology, 2007, 18, 335607.	2.6	18
8720	Modeling of the integrated magnetic focusing and gated field-emission device with single carbon nanotube. Journal of Vacuum Science & Technology B, 2007, 25, 74.	1.3	4
8721	Post-treatment of screen-printed carbon nanotube emitter by selective plasma etching. Journal of Vacuum Science & Technology B, 2007, 25, 552.	1.3	12
8722	Low temperature growth of carbon nanotubes by alcohol catalytic chemical vapor deposition for field emitter applications. Journal of Vacuum Science & Technology B, 2007, 25, 579.	1.3	6
8723	High-current-density field emission from multiwalled carbon nanotubes by chemical-vapor deposition with effective aging treatment. Journal of Vacuum Science & Technology B, 2007, 25, 583.	1.3	7

#	ARTICLE	IF	CITATIONS
8724	Growth of carbon nanotubes with resist-assisted patterning process. Journal of Vacuum Science & Technology B, 2007, 25, 1261-1264.	1.3	64
8725	Effect of growth catalysts on gas sensitivity in carbon nanotube film based chemiresistive sensors. Applied Physics Letters, 2007, 90, 103101.	3.3	56
8726	Simultaneous measurement of Young's and shear moduli of multiwalled carbon nanotubes using atomic force microscopy. Journal of Applied Physics, 2007, 101, 033514.	2.5	29
8727	Recent Results on Topological Indices of Nanotubes. AIP Conference Proceedings, 2007, , .	0.4	0
8728	On the equivalence of "non-equivalent" algebraic realizations. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 8363-8369.	2.1	2
8729	Carbon Nanotubes from Camphor: An Environment-Friendly Nanotechnology. Journal of Physics: Conference Series, 2007, 61, 643-646.	0.4	53
8730	Plasticity of Carbon Nanotubes: Aiming at Their Use in Nanosized Devices. Japanese Journal of Applied Physics, 2007, 46, 5005.	1.5	15
8731	Electron beam induced growth of silica nanorods and heterostructures in porous silicon. Nanotechnology, 2007, 18, 405308.	2.6	17
8732	Preparation and Photoluminescence of ZnO Comb-Like Structure and Nanorod Arrays. Chinese Journal of Chemical Physics, 2007, 20, 308-314.	1.3	3
8733	Resistivity and Field Electron Emission of Nanowires Formed by Electron Beam Induced Chemical Vapor Deposition. Chinese Journal of Chemical Physics, 2007, 20, 680-684.	1.3	0
8734	Size effect in the tensile fracture of single-walled carbon nanotubes with defects. Nanotechnology, 2007, 18, 155708.	2.6	25
8735	Carbon Nanotube "Plasma Polymer-Based Amperometric Biosensors: Enzyme-Friendly Platform for Ultrasensitive Glucose Detection. Japanese Journal of Applied Physics, 2007, 46, 6078-6082.	1.5	12
8736	Structural Evolution of Silicon Oxide Nanowires via Head-Growth Solid "Liquid" Solid Process. Japanese Journal of Applied Physics, 2007, 46, 7554.	1.5	3
8737	Systematic Characterization of Carbon Nanotubes Functionalized in CF ₄ Plasma. Japanese Journal of Applied Physics, 2007, 46, 7977.	1.5	5
8738	Improvement of Luminescent Uniformity via Synthesizing the Carbon Nanotubes on a Fe-Ti Co-deposited Catalytic Layer. Japanese Journal of Applied Physics, 2007, 46, 863-866.	1.5	5
8739	Effect of Electrical Aging on Field Electron Emission from Screen-Printed Carbon Nanotube Film. Japanese Journal of Applied Physics, 2007, 46, 867-869.	1.5	9
8740	Stable Field Emission Property of Patterned MgO Coated Carbon Nanotube Arrays. Japanese Journal of Applied Physics, 2007, 46, 4364.	1.5	21
8741	Field Emission Improvement through Structure of Intermixture of Long and Short Carbon Nanotubes. Japanese Journal of Applied Physics, 2007, 46, 859-862.	1.5	2

#	ARTICLE	IF	CITATIONS
8742	Effects of Radius and Orientation of Single-Walled Carbon Nanotubes on Their Nonlinear Tensile Deformation Behaviour. Chinese Physics Letters, 2007, 24, 248-251.	3.3	1
8743	Novel Triode-Type Field Emission Arrays and Appropriate Driving Method for Flat Lamp Using Carbon Nanofibers Grown by Plasma Enhanced Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2007, 46, 4381-4385.	1.5	11
8744	The influence of dimensionality on superconductivity in carbon nanotubes. Journal of Physics Condensed Matter, 2007, 19, 395016.	1.8	2
8745	Growth and Field Emission Characteristics of Carbon Nanotubes Using Co/Cr/Al Multilayer Catalyst. Japanese Journal of Applied Physics, 2007, 46, 4359-4363.	1.5	10
8746	Carbon Nanowires Spontaneously Formed on Surface of Freshly Cleaved Highly Ordered Pyrolytic Graphite Wafer. Japanese Journal of Applied Physics, 2007, 46, 5568.	1.5	3
8747	Direct Growth of Vertically Aligned Single-Walled Carbon Nanotubes on Metal Tip by Applying Electric Field. Japanese Journal of Applied Physics, 2007, 46, 6087-6090.	1.5	4
8748	Fabrication of Multilayered Hollow Nanofibers and Estimation of Its Young's Modulus. Japanese Journal of Applied Physics, 2007, 46, 6790-6795.	1.5	10
8749	Characteristics of Field Emission for Flat Lamp Using Carbon Nanofibers as a Function of Swap-Gate Driving Condition. Japanese Journal of Applied Physics, 2007, 46, 7581.	1.5	1
8750	Environmental Transmission Electron Microscopy Observations of Swinging and Rotational Growth of Carbon Nanotubes. Japanese Journal of Applied Physics, 2007, 46, L917.	1.5	23
8751	Carbon nanotube-mediated delivery of nucleic acids does not result in non-specific activation of B lymphocytes. Nanotechnology, 2007, 18, 365101.	2.6	27
8752	Nanomaterial Based Affinity Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry for Biomolecules and Pathogenic Bacteria. Recent Patents on Nanotechnology, 2007, 1, 99-111.	1.3	27
8753	New DC Arc Discharge Synthesis Method for Carbon Nanotubes Using Xylene Ferrocene as Floating Catalyst. Japanese Journal of Applied Physics, 2007, 46, 1818-1820.	1.5	7
8754	Organic-Vapor-Induced Repeatable Entrance and Exit of C60 into/from Single-Wall Carbon Nanohorns at Room Temperature. Journal of Physical Chemistry C, 2007, 111, 9719-9722.	3.1	6
8755	Length Dependence of Thermal Conductivity of Single-Walled Carbon Nanotubes. Chinese Physics Letters, 2007, 24, 1321-1323.	3.3	25
8756	Selected Area Electrophoretic Deposition of Carbon Nanotubes in Triode Structure for Field Emission Device. Japanese Journal of Applied Physics, 2007, 46, 4408-4409.	1.5	0
8757	Structure and properties of carbon nanotube-polymer fibers using melt spinning. , 2007, , 235-255.		0
8758	UV-vis Absorption and PL Properties of Self-Assembled Silicon Nanotubes. Chinese Physics Letters, 2007, 24, 543-545.	3.3	4
8759	New Technique for Fabrication of Individual Carbon-Nanotube Field Emitters. Japanese Journal of Applied Physics, 2007, 46, 430-433.	1.5	2

#	ARTICLE	IF	CITATIONS
8760	AN ITERATION SCHEME FOR CALCULATING TRANSPORT PROPERTIES OF MOLECULAR SYSTEMS. Journal of Theoretical and Computational Chemistry, 2007, 06, 975-984.	1.8	0
8761	Surface decoration of anodic aluminium oxide in synthesis of Nafion®-115 nanowire arrays. Nanotechnology, 2007, 18, 015302.	2.6	12
8762	Transfer characteristics and high frequency modeling of logic gates using carbon nanotube field effect transistors (CNT-FETs). , 2007, , .		1
8763	Effect of different carbon nanotubes on cell viability and proliferation. Journal of Physics Condensed Matter, 2007, 19, 395013.	1.8	36
8764	The Reliability Improvements of Carbon Nanotubes Emitters by Utilizing an Fe/Ti Codeposited Catalyst. Japanese Journal of Applied Physics, 2007, 46, 5367.	1.5	1
8765	Improvement of Carbon Nanotubes using Cryogenic Treatment. Japanese Journal of Applied Physics, 2007, 46, L1096-L1098.	1.5	2
8766	Finite Element Model of SWCNT Under Hydrostatic Pressure. AIP Conference Proceedings, 2007, , .	0.4	1
8767	Binderless carbon nanotube/carbon fibre composites for electrochemical micropower sources. Nanotechnology, 2007, 18, 035202.	2.6	17
8768	A generic process of growing aligned carbon nanotube arrays on metals and metal alloys. Nanotechnology, 2007, 18, 185605.	2.6	60
8769	Evaluation of Thermal Conductivity of a Multi-Walled Carbon Nanotube Using the \hat{V} gsMethod. Japanese Journal of Applied Physics, 2007, 46, 3139-3143.	1.5	10
8770	Very Thin Single-Walled Carbon Nanotubes Self-Assembled on 6H-SiC Substrate by Surface Decomposition Method. Japanese Journal of Applied Physics, 2007, 46, L53-L56.	1.5	5
8771	Development of a Taste Sensor Based on a Carbon Nanotube-Polymer Composite Material. Japanese Journal of Applied Physics, 2007, 46, L314-L316.	1.5	11
8772	Structural and electronic properties of zigzag carbon nanotubes filled with small fullerenes. Journal of Physics Condensed Matter, 2007, 19, 236222.	1.8	15
8773	Measurement of low concentration and nano-quantity hydrogen sulfide in aqueous solution: measurement mechanisms and limitations. Measurement Science and Technology, 2007, 18, 1315-1320.	2.6	11
8774	One-dimensional carbon nanotube/FexCynanocrystal composite. Nanotechnology, 2007, 18, 105602.	2.6	13
8775	Electrospun carbon nanotube composite nanofibres with uniaxially aligned arrays. Nanotechnology, 2007, 18, 115611.	2.6	53
8776	Morphology optimization of CCVD-synthesized multiwall carbon nanotubes, using statistical design of experiments. Nanotechnology, 2007, 18, 115715.	2.6	29
8777	First-principles density-functional investigation of the effect of water on the field emission of carbon nanotubes. Nanotechnology, 2007, 18, 155707.	2.6	50

#	ARTICLE	IF	CITATIONS
8778	Synthesis and field emission characteristics of carbon nanocoils with a high aspect ratio supported by copper micro-tips. Nanotechnology, 2007, 18, 245603.	2.6	18
8779	Diffraction intensity and symmetry of single-wall carbon nanotubes. Nanotechnology, 2007, 18, 375708.	2.6	7
8780	Scanning localized arc discharge lithography for the fabrication of microstructures made of carbon nanotubes. Nanotechnology, 2007, 18, 385304.	2.6	15
8781	Is it possible to grow amorphous normal nanosprings?. Nanotechnology, 2007, 18, 435606.	2.6	4
8782	Surface modification of CNT-cathodes by an acid-erosion process. Nanotechnology, 2007, 18, 505701.	2.6	2
8783	Preparation and Absorption Properties in Near Infrared Wavelength of Carbon Nanotubes/Acrylate Coatings. Chinese Journal of Chemical Physics, 2007, 20, 784-788.	1.3	2
8784	Molecular Dynamics Simulation of Water Confined in Carbon Nanotubes. Chinese Physics Letters, 2007, 24, 3276-3279.	3.3	5
8785	Energetics and electronic structure of armchair nanotubes with topological line defects. Journal of Physics Condensed Matter, 2007, 19, 365231.	1.8	1
8786	Filtering out the transmission of $\uparrow\downarrow$ electron Fermi states with odd symmetry through a carbon nanotube junction. Journal of Physics Condensed Matter, 2007, 19, 041001.	1.8	0
8787	Carbon nanotube induced structural and physical property transitions of syndiotactic polypropylene. Nanotechnology, 2007, 18, 275703.	2.6	39
8788	Combined torsional buckling of multi-walled carbon nanotubes coupling with radial pressures. Journal Physics D: Applied Physics, 2007, 40, 4027-4033.	2.8	15
8789	Effect of oxygen rf-plasma on electronic properties of CNTs. Journal Physics D: Applied Physics, 2007, 40, 7379-7382.	2.8	29
8790	Modified Eshelby tensor modeling for elastic property prediction of carbon nanotube reinforced ceramic nanocomposites. Applied Physics Letters, 2007, 91, .	3.3	25
8791	Submicron patterning of a catalyst film by scanning probe nanolithography for a selective chemical vapor deposition of carbon nanotubes. Journal of Applied Physics, 2007, 101, 066101.	2.5	5
8792	Structural Computing of Hamada Parameters for Carbon Nanotubes Processed by Microwave Heating. , 2007, , .		1
8793	Field emission from vertically aligned silicon nanotubes. , 2007, , .		0
8794	Laser direct writing carbon nanotube arrays on transparent substrates. Applied Physics Letters, 2007, 90, 133108.	3.3	26
8795	Multiwalled carbon nanotubes for flow-induced voltage generation. Journal of Applied Physics, 2007, 101, 064312.	2.5	78

#	ARTICLE	IF	CITATIONS
8796	A Study of Effects of Coolants on Heat Transfer Capability of On-chip Cooling with CNT Micro-fin Architectures by Using CFD Simulation. , 2007, , .		1
8797	Investigation of CNTs interaction with fibroblast cells. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6621-4.	0.5	4
8798	Mesoscopic Aharonov-Bohm loops in a time-dependent potential: Quasistationary electronic states and quantum transitions. Physical Review B, 2007, 76, .	3.2	3
8799	Electron energy loss spectra of finite carbon nanotubes. Journal of Applied Physics, 2007, 101, 114305.	2.5	3
8800	Creation of carbon onions and coils at low temperature in near-critical benzene irradiated with an ultraviolet laser. Nanotechnology, 2007, 18, 415604.	2.6	7
8801	Photon-assisted transport in a carbon nanotube calculated using Green's function techniques. Physical Review B, 2007, 75, .	3.2	46
8802	Theoretical study of size-dependent properties of BN nanotubes with intrinsic defects. Physical Review B, 2007, 76, .	3.2	42
8803	Polygonization and anomalous graphene interlayer spacing of multi-walled carbon nanofibers. Physical Review B, 2007, 75, .	3.2	26
8804	Numerical study of the melting behavior of Au nanotubes. Physical Review B, 2007, 75, .	3.2	10
8805	Raman spectroscopy study of carbon nanotube peapods excited by near-IR laser under high pressure. Physical Review B, 2007, 76, .	3.2	27
8806	Transport properties of carbon nanotube C_{60} peapods. Physical Review B, 2007, 76, .	3.2	17
8807	van der Waals's London dispersion interactions for optically anisotropic cylinders: Metallic and semiconducting single-wall carbon nanotubes. Physical Review B, 2007, 76, .	3.2	59
8808	Modeling of fracture of carbon nanotubes with vacancy defect. Physical Review B, 2007, 75, .	3.2	26
8809	TOWARDS THE SINGLE-WALLED B- AND/OR N-DOPED CARBON NANOTUBES. International Journal of Nanoscience, 2007, 06, 431-442.	0.7	7
8810	Static dielectric response and Born effective charge of BN nanotubes fromab initiofinite electric field calculations. Physical Review B, 2007, 75, .	3.2	45
8811	Carbon nanocones under compression: Buckling and post-buckling behaviors. Physical Review B, 2007, 75, .	3.2	44
8812	Size dependence of thermal properties of armchair carbon nanotubes: A first-principles study. Applied Physics Letters, 2007, 91, .	3.3	17
8813	Quantum effects in a double-walled carbon nanotube capacitor. Physical Review B, 2007, 76, .	3.2	21

#	ARTICLE	IF	CITATIONS
8814	Interaction induced dimerization in zigzag single wall carbon nanotubes. Physical Review B, 2007, 76, .	3.2	11
8815	Crystal binding and metal-semiconductor transition in aluminate nanotube bundles. Physical Review B, 2007, 75, .	3.2	1
8816	Effects of strain and defects on the electron conductance of metallic carbon nanotubes. Physical Review B, 2007, 75, .	3.2	36
8817	Nanotube field and orientational properties of C70 molecules in carbon nanotubes. Physical Review B, 2007, 75, .	3.2	25
8818	Laser-induced exfoliation of amorphous carbon layer on an individual multiwall carbon nanotube. Applied Physics Letters, 2007, 91, .	3.3	17
8819	Field-effect modulation of contact resistance between carbon nanotubes. Applied Physics Letters, 2007, 91, 133515.	3.3	11
8820	Electron holography of single-crystal iron nanorods encapsulated in carbon nanotubes. Journal of Applied Physics, 2007, 101, 014323.	2.5	21
8821	Enhanced chemical shift of carbon nanotube from laser assisted gas incorporation. Applied Physics Letters, 2007, 91, .	3.3	6
8822	Dynamic modeling of rotational motion of carbon nanotubes for intelligent manufacturing of CNT-based devices. , 2007, , .		1
8823	Depth-Detection Methods for CNT Manipulation and Characterization in a Scanning Electron Microscope. , 2007, , .		7
8824	Research of Natural Frequency of Single-walled Carbon Nanotube. Chinese Journal of Chemical Physics, 2007, 20, 525-530.	1.3	14
8825	Electron gun using carbon-nanofiber field emitter. Review of Scientific Instruments, 2007, 78, 013305.	1.3	23
8826	Effect of intertube interaction on the transport properties of a carbon double-nanotube device. Journal of Applied Physics, 2007, 101, 064514.	2.5	25
8827	Frequency dependence of effective permittivity of carbon nanotube composites. Journal of Applied Physics, 2007, 101, 094106.	2.5	55
8828	Application of Carbon Based Nano-Materials to Aeronautics and Space Lubrication. , 2007, , 311-340.		10
8829	Effects of ion bombardment on the morphology and microstructure of carbon nanomaterials grown by microwave plasma chemical vapor deposition. Applied Physics Letters, 2007, 90, 243109.	3.3	5
8830	Control of carbon nanostructure: From nanofiber toward nanotube and back. Journal of Applied Physics, 2007, 102, 074314.	2.5	26
8831	Electrodynamic Aggregation of Nanodust as a Source of Long-Lived Filaments in Laboratory Electric Discharges and Space. IEEE Transactions on Plasma Science, 2007, 35, 771-777.	1.3	1

#	ARTICLE	IF	CITATIONS
8832	Electron-electron scattering rates in moderate-gap toroidal carbon nanotubes. Physical Review B, 2007, 76, .	3.2	0
8833	Rapid Fabrication of CNT Sensors Using Electro-chemical Deposition of Functionalized CNTs. , 2007, , .		1
8834	Fabrication of carbon nanotube bridge in V-groove channel using Dielectrophoresis. , 2007, , .		0
8835	<i>In situ</i> manipulation and electrical characterization of multiwalled carbon nanotubes by using nanomanipulators under scanning electron microscopy. Physical Review B, 2007, 76, .	3.2	23
8836	First-principles study of the electrical conductance of telescopically aligned carbon nanotubes. Physical Review B, 2007, 76, .	3.2	11
8837	Size dependence of melting of GaN nanowires with triangular cross sections. Journal of Applied Physics, 2007, 101, 043511.	2.5	12
8838	CNT composites for aerospace applications. Journal of Experimental Nanoscience, 2007, 2, 193-206.	2.4	95
8839	Carbon Nanostructures as an Electromechanical Bicontinuum. Physical Review Letters, 2007, 99, 045501.	7.8	16
8840	Electrochemical Biosensing Systems Based on Carbon Nanotubes and Carbon Nanofibers. Analytical Letters, 2007, 40, 2271-2287.	1.8	26
8841	Growth of single-crystalline RuO ₂ nanowires with one- and two-nanocontact electrical characterizations. Applied Physics Letters, 2007, 90, 013105.	3.3	31
8842	Infrared reflection absorption spectroscopy investigation of carbon nanotube growth on cobalt catalyst surfaces. Applied Physics Letters, 2007, 90, 073109.	3.3	4
8843	A Modular Software Haptic Interface for Teleoperated Nanomanipulation and AFM Probe Based Characterization of Carbon Nanotubes. , 2007, , .		0
8844	Carbon Nanotube-Organized Polymeric Fibers and Measurement of Their Electrical Conductivity. Molecular Crystals and Liquid Crystals, 2007, 464, 15/[597]-21/[603].	0.9	3
8845	Vibrational Properties of Hexagonal Boron Nitride: Inelastic X-Ray Scattering and Ab Initio Calculations. Physical Review Letters, 2007, 98, 095503.	7.8	190
8846	Template fabrication of SiO ₂ nanotubes. Applied Physics Letters, 2007, 90, 103114.	3.3	10
8847	First-principles study of contact between Ti surface and semiconducting carbon nanotube. Journal of Applied Physics, 2007, 102, 013709.	2.5	24
8848	Quantum conductance in single- and double-wall carbon nanotube networks. Journal of Applied Physics, 2007, 102, 103721.	2.5	9
8849	Controlled synthesis of quasi-one-dimensional boron nitride nanostructures. Journal of Materials Research, 2007, 22, 2809-2816.	2.6	17

#	ARTICLE	IF	CITATIONS
8850	Finite-concentration gas molecule adsorption on carbon nanotubes investigated by a tight-binding approach. Physical Review B, 2007, 76, .	3.2	10
8851	Work function of small radius carbon nanotubes and their bundles. Applied Physics Letters, 2007, 90, 163103.	3.3	24
8852	Molecular dynamics study of radial pressure transmission in multiwalled carbon nanotubes. Physical Review B, 2007, 75, .	3.2	6
8853	The detection of airborne carbon nanotubes in relation to toxicology and workplace safety. Nanotoxicology, 2007, 1, 251-265.	3.0	12
8854	Tunable thermal links. Applied Physics Letters, 2007, 90, 193114.	3.3	30
8855	Effect of length and size of heterojunction on the transport properties of carbon-nanotube devices. Applied Physics Letters, 2007, 91, 133511.	3.3	109
8856	Development of a vitamin-protein sensor based on carbon nanotube hybrid materials. Applied Physics Letters, 2007, 90, 233106.	3.3	16
8857	Pseudoclimb and Dislocation Dynamics in Superplastic Nanotubes. Physical Review Letters, 2007, 98, 075503.	7.8	119
8858	Reciprocal Space Constraints Create Real-Space Anomalies in Doped Carbon Nanotubes. Physical Review Letters, 2007, 99, 196803.	7.8	6
8859	Local buckling of carbon nanotubes under bending. Applied Physics Letters, 2007, 91, .	3.3	28
8860	The Latent Toxic Effects of Carbon Nanotube Serving as Biomedicine. , 2007, , .		0
8861	Screen effects on field emission from an array of one-dimensional nanostructures grown on silicon substrates: A simulation study using classical transport model. Journal of Vacuum Science & Technology B, 2007, 25, 497.	1.3	8
8862	Difference between bending and stretching moduli of single-walled carbon nanotubes that are modeled as an elastic tube. Applied Physics Letters, 2007, 90, 203116.	3.3	19
8863	Field emission from carbon nanotubes: a comparative study between the carbon nanotubes synthesized by thermal and microwave plasma chemical vapor deposition. , 2007, , .		0
8864	In situ growth rate control of carbon nanotubes by optical imaging method. Applied Physics Letters, 2007, 91, 193102.	3.3	3
8865	Transport properties of a quantum wire: Role of extended time-dependent impurities. Physical Review B, 2007, 75, .	3.2	9
8866	Relative abundance of single and double vacancies in irradiated single-walled carbon nanotubes. Applied Physics Letters, 2007, 91, 173109.	3.3	45
8867	Kohn anomalies and nonadiabaticity in doped carbon nanotubes. Physical Review B, 2007, 75, .	3.2	103

#	ARTICLE	IF	CITATIONS
8868	Unraveling van Hove singularities in x-ray absorption response of single-wall carbon nanotubes. Physical Review B, 2007, 75, .	3.2	58
8869	Terahertz electrical and optical characteristics of double-walled carbon nanotubes and their comparison with single-walled carbon nanotubes. Applied Physics Letters, 2007, 90, 051914.	3.3	53
8870	The carbon nanotube patent landscape in nanomedicine: an Expert opinion. Expert Opinion on Therapeutic Patents, 2007, 17, 1165-1174.	5.0	19
8871	Development of a Solidâ€Phase Extractionâ€Enzymeâ€Linked Immunosorbent Assay Method with a New Sorbent of Multiwall Carbon Nanotube for the Determination of Estrone in Water. Analytical Letters, 2007, 40, 2338-2350.	1.8	12
8872	Trapping cold atoms near carbon nanotubes: Thermal spin flips and Casimir-Polder potential. Physical Review A, 2007, 75, .	2.5	42
8873	Linear scaling electronic structure Monte Carlo method for metals. Physical Review B, 2007, 75, .	3.2	9
8874	Curvature effects on electronic properties of small radius nanotube. Applied Physics Letters, 2007, 91, .	3.3	13
8875	Mechanics of Carbon Nanotubes: A Continuum Theory Based on Interatomic Potentials. Key Engineering Materials, 2007, 340-341, 11-20.	0.4	4
8876	Thermal conductivity of an ultrathin carbon nanotube with an X-shaped junction. Physical Review B, 2007, 75, .	3.2	28
8877	Carbon nanotubes on flattened tin alloy spheres in a Ball Grid Array (BGA) for cold cathode applications. , 2007, , .		1
8878	Progress in the controllable synthesis of novel ferrocene-based polymers and their applications. Designed Monomers and Polymers, 2007, 10, 193-205.	1.6	5
8879	Resonant decoherence due to electron-electron interactions in carbon nanotubes. Physical Review B, 2007, 75, .	3.2	1
8880	Effective Medium Theory for Carbon Nanotube Composites and their Potential Applications as Metamaterials. IEEE MTT-S International Microwave Symposium Digest IEEE MTT-S International Microwave Symposium, 2007, , .	0.0	6
8881	Effect of Growth Parameters on Morphology of Vertically Aligned Carbon Nanotubes. Chinese Journal of Chemical Physics, 2007, 20, 207-212.	1.3	4
8882	Nanopipette with a lipid nanotube as nanochannel. , 2007, , .		3
8883	A performance analysis for single-walled metallic Carbon Nanotubes as global and intermediate on-chip interconnects. , 2007, , .		0
8884	Glass Transition Temperature of Phenolic-Based Nanocomposites Reinforced by MWNTs and Carbon Fibers. Key Engineering Materials, 2007, 334-335, 713-716.	0.4	6
8885	Carbon Nanotube-Based Hydrogen Gas Sensor Electrochemically Functionalized with Palladium. , 2007, , .		6

#	ARTICLE	IF	CITATIONS
8886	Formation of a five-seven pair couple defect in double-walled carbon nanotubes under bending deformation. Journal of Applied Physics, 2007, 102, 113522.	2.5	3
8887	Study of inorganic fullerenes and carbon nanotubes by in situ Raman tribometry. Applied Physics Letters, 2007, 91, 153107.	3.3	18
8888	Nanotube-based chemical sensors. , 2007, , .		0
8889	Buckling analysis of abnormal multiwalled carbon nanotubes. Journal of Applied Physics, 2007, 102, 053511.	2.5	21
8890	Modeling dielectrophoretic force for manipulating carbon nanotubes (CNTs). , 2007, , .		7
8891	Encapsulation of segmented Pd-Co nanocomposites into vertically aligned carbon nanotubes by plasma-hydrogen-induced demixing. Applied Physics Letters, 2007, 90, 133116.	3.3	11
8892	Einstein relation in carbon nanotubes and quantum wires of nonlinear optical, optoelectronic and related materials: simplified theory, relative comparison and suggestion for an experimental determination. , 2007, , .		0
8893	High-yield synthesis of conductive carbon nanotube tips for multiprobe scanning tunneling microscope. Review of Scientific Instruments, 2007, 78, 013703.	1.3	21
8894	Morphological Characteristics of Electrospun Poly(Methyl Methacrylate) Nanofibers Containing Multi-Walled Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 2007, 464, 137/[719]-144/[726].	0.9	2
8895	Electrical and Thermal Properties of Carbon Nanotube Polymer Composite Films. Materials Research Society Symposia Proceedings, 2007, 1018, 1.	0.1	2
8896	Soot Activation Energy for a Xylene-Fueled CVD Reactor. International Journal of Chemical Reactor Engineering, 2007, 5, .	1.1	0
8897	Passive wireless strain and pH sensing using carbon nanotube-gold nanocomposite thin films. , 2007, , .		17
8898	Synthesis of Carbon Nanotubes and its Applications in Composites and Field Emission Light. Materials Science Forum, 2007, 539-543, 3491-3496.	0.3	0
8899	Evaluation of Strain Concentration in Carbon Nanotube with Bend Junction. Key Engineering Materials, 2007, 340-341, 101-106.	0.4	0
8900	Catalyst-Assisted Pyrolysis of Polymeric Precursors: A New Method to Synthesize Low-Dimensional Nanomaterials. Key Engineering Materials, 2007, 336-338, 2138-2141.	0.4	1
8901	Properties of Carbon Nanotubes Via a Thin Ti Capping Layer on the Pretreated Catalyst. Journal of the Electrochemical Society, 2007, 154, J109.	2.9	4
8902	Ni Nano-Films Processed by Ammonia. Solid State Phenomena, 2007, 121-123, 921-928.	0.3	0
8903	The structure and dynamics of water inside armchair carbon nanotube. Chinese Physics B, 2007, 16, 335-339.	1.3	29

#	ARTICLE	IF	CITATIONS
8904	Single-crystalline PrB6nanowires and their field-emission properties. Nanotechnology, 2007, 18, 115621.	2.6	26
8905	Self-assembly of versatile tubular-like In2O3nanostructures. Nanotechnology, 2007, 18, 465605.	2.6	17
8906	Electronic excitations and deexcitations in narrow-gap carbon nanotubes. Nanotechnology, 2007, 18, 435401.	2.6	1
8908	Absorbing Manganese Oxide on Multi-Walled Carbon Nanotubes. Solid State Phenomena, 2007, 121-123, 85-88.	0.3	0
8909	The present status and key problems of carbon nanotube based polymer composites. EXPRESS Polymer Letters, 2007, 1, 253-273.	2.1	408
8910	Low-Internal-Stress Nickel Multiwalled Carbon Nanotube Composite Electrodeposited from a Sulfamate Bath. Journal of the Electrochemical Society, 2007, 154, D530.	2.9	29
8911	Thermal Behavior of Carbon Nanotubes in Alumina Matrix Nanocomposites. Solid State Phenomena, 2007, 124-126, 755-758.	0.3	0
8912	Focused Ion Beam Fabrication of Individual Carbon Nanotube Devices. Materials Research Society Symposia Proceedings, 2007, 1020, 1.	0.1	0
8913	Preparation of Chain-Like Carbon Nano-Tubes Film and its Field Emission Properties. Materials Science Forum, 2007, 561-565, 1153-1156.	0.3	0
8914	Carbon Nanotubes: Potential Benefits and Risks of Nanotechnology in Nuclear Medicine. Journal of Nuclear Medicine, 2007, 48, 1039-1042.	5.0	103
8915	DEPENDENCE OF MATERIAL QUALITY ON PERFORMANCE OF FLEXIBLE TRANSPARENT CONDUCTING FILMS WITH SINGLE-WALLED CARBON NANOTUBES. Nano, 2007, 02, 157-167.	1.0	44
8916	SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF SALMON DNA-WRAPPED SINGLE-WALL CARBON NANOTUBES. Nano, 2007, 02, 295-299.	1.0	11
8917	Mechanical strength of carbon nanotube/nickel nanocomposite. Proceedings of SPIE, 2007, , .	0.8	1
8918	Studies of Energy and Mechanical Properties of Single-Walled Carbon Nanotubes via Higher Order Cauchy Born Rule. Solid State Phenomena, 2007, 121-123, 1029-1032.	0.3	0
8919	Effect of Powder Synthesis Processing on the Microstructure and Electrical Conductivity of Sintered CNTs/Fe/Al₂O₃ Nanocomposites. Materials Science Forum, 2007, 534-536, 1021-1024.	0.3	1
8920	Vertically Aligned Carbon Nanotube Arrays for Room Temperature Gas Sensors. Materials Research Society Symposia Proceedings, 2007, 1057, 1.	0.1	0
8921	Engineered large area fabrication of ordered InGaAs-GaAs nanotube arrays. Materials Research Society Symposia Proceedings, 2007, 1057, 1.	0.1	1
8922	Growth of Carbon Nanotubes by Evaporating Ethanol as Carbon Source. Solid State Phenomena, 2007, 124-126, 1237-1240.	0.3	0

#	ARTICLE	IF	CITATIONS
8923	Various Types of Pt-Ni Binary Catalysts Supported on the Carbon Nanotubes as Cathode Catalysts for DMFC. Solid State Phenomena, 2007, 119, 247-250.	0.3	5
8924	Solid - Phase Synthesis of Carbon Nanoparticles and their Application to Direct Methanol Fuel Cell. Materials Science Forum, 2007, 539-543, 1356-1360.	0.3	0
8925	Stabilization Mechanisms in Multiwalled Peapods. Materials Research Society Symposia Proceedings, 2007, 1057, 1.	0.1	0
8926	Construction of 1-Iodo-4-Nitrobenzene Nanowires on Graphite. Solid State Phenomena, 2007, 121-123, 437-440.	0.3	0
8927	Carbon Nanotubes Obtained by ECC Technique with Cobalt Salt as Catalyst Precursor. Advanced Materials Research, 2007, 26-28, 727-730.	0.3	1
8928	Synthesis of Si ₂ N ₂ O nanowires in porous Si ₂ N ₂ O/Si ₃ N ₄ substrate using Si powder. Journal of Materials Research, 2007, 22, 615-620.	2.6	11
8929	Microwave Permittivity and Permeability of Ni-Coated Carbon Nanotube / Polymer Composites. Key Engineering Materials, 2007, 334-335, 681-684.	0.4	3
8930	Chemical Vapor Deposition Growth of Multi-Walled Carbon Nanotubes on Metallic Substrates. Solid State Phenomena, 2007, 121-123, 101-104.	0.3	0
8931	Liquid-Phase Synthesis of Carbon Nanotubes from Alcohols. Key Engineering Materials, 2007, 350, 19-22.	0.4	11
8932	Dynamic Properties of MWNTS/Epoxy Nanocomposite Beams. Key Engineering Materials, 2007, 334-335, 709-712.	0.4	2
8933	Formation Mechanism and Microwave Permittivity of Carbon Nanotubes Filled with Metallic Silver Nanowires. Key Engineering Materials, 2007, 334-335, 685-688.	0.4	0
8934	Synthesis of Carbon Nanotube-Reinforced Al Matrix Composites. Materials Science Forum, 2007, 539-543, 860-865.	0.3	3
8935	Carbon Nanotube Reinforced Metal Matrix Nanocomposites via Equal Channel Angular Pressing. Materials Science Forum, 2007, 534-536, 245-248.	0.3	8
8936	Nanopatterned working electrode with carbon nanotubes improving electrochemical sensors. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2007, 221, 115-119.	0.1	0
8937	Metal Coated Functionalized Single-Walled Carbon Nanotubes for Composites Application. Materials Science Forum, 2007, 561-565, 655-658.	0.3	6
8938	Reinforcing potential of carbon nanotubes in oriented polymer fibres. Materials Technology, 2007, 22, 10-21.	3.0	32
8939	Growth of Carbon Nanotubes by Combustion of Ethyl Alcohol. Solid State Phenomena, 2007, 121-123, 145-148.	0.3	1
8940	Mechanical and Electrical Properties of MWNT/Phenolic Composites under Moisture-Temperature Effects. Key Engineering Materials, 2007, 334-335, 765-768.	0.4	0

#	ARTICLE	IF	CITATIONS
8941	Study of the Electrical and Tribologic Properties of CNTs-HDPE Composites. Solid State Phenomena, 2007, 121-123, 291-294.	0.3	0
8942	Multi-Scale Modelling Scheme for Carbon Nanotube Reinforced Metal Matrix Composites. Key Engineering Materials, 2007, 345-346, 1261-1264.	0.4	4
8943	Preparation of a Novel Carbon Nano-Material Studded Iron Granules from Needle Coke by Arc Method. Key Engineering Materials, 2007, 336-338, 2186-2188.	0.4	0
8944	Investigation of the Dynamic Buckling in the Carbon Nanotube under Impact Torque. Key Engineering Materials, 2007, 340-341, 65-70.	0.4	0
8945	Microstructure and Thermal Stability of Carbon Nanotubes Dispersed Alumina Nanocomposites Prepared by Spark Plasma Sintering. Solid State Phenomena, 2007, 119, 59-62.	0.3	0
8946	Silicon Nitride “ Carbon Nanotube Composites. Materials Science Forum, 2007, 554, 123-128.	0.3	2
8947	Dynamic Torsional Buckling of an Embedded Double-Walled Carbon Nanotube. Key Engineering Materials, 2007, 334-335, 745-748.	0.4	2
8948	SiC Nanowires Synthesized by Microwave Heating. Materials Science Forum, 2007, 561-565, 1413-1416.	0.3	3
8949	Effect of CNTs on Property of Calcium Phosphate Cement. Key Engineering Materials, 2007, 336-338, 1606-1608.	0.4	4
8950	Atomistic Study of the Strain- and Size-Dependence of Poisson’s Ratio of Single-Walled Carbon Nanotubes. Solid State Phenomena, 2007, 121-123, 1021-1024.	0.3	1
8951	A Method to Fabricate Field Emitters Using Electroless Codeposited Composite of MWNTs and Nickel. Electrochemical and Solid-State Letters, 2007, 10, J101.	2.2	11
8952	Carbon Nanotubes Synthesized by Rapid Quenching of Red-Hot Graphite Rod in Ethyl Alcohol. Solid State Phenomena, 2007, 121-123, 93-96.	0.3	1
8953	Effective Structural Parameters of Armchair Carbon Nanotubes. Key Engineering Materials, 2007, 353-358, 2199-2202.	0.4	2
8954	Synthesis and Electrochemical Performance of Ag-Containing VONTs. Solid State Phenomena, 2007, 121-123, 789-792.	0.3	0
8955	Converting Industrial TiO ₂ into Titanate Nanotubes by Simple Sonochemical-Hydrothermal Processing. Key Engineering Materials, 2005, 280-283, 651-654.	0.4	3
8956	Synthesis of Iron Oxide Nanowires by Heating Iron Foils. Key Engineering Materials, 2007, 342-343, 597-600.	0.4	0
8957	Large-Scale Synthesis of Bamboo-Like Carbon Nanotubes over Zeolites by Catalytic Decomposition of Acetonitrile. Solid State Phenomena, 2007, 121-123, 167-170.	0.3	1
8958	The Carbon Nanotube Based Nanocomposite with Enhanced Thermal Conductivity. Solid State Phenomena, 2007, 121-123, 243-246.	0.3	6

#	ARTICLE	IF	CITATIONS
8959	Simulation of Nanoscale Electronic Systems. Advances in Computers, 2007, , 167-249.	1.6	0
8960	Qualitative assessment of the purity of multi-walled carbon nanotube samples using krypton adsorption. Studies in Surface Science and Catalysis, 2007, 160, 265-271.	1.5	3
8961	Experimental Characterization of Poly (Ether Ether Ketone)/Multi-Wall Carbon Nanotube Composites. Key Engineering Materials, 2007, 334-335, 721-724.	0.4	7
8962	Finite element modeling of single-walled carbon nanotubes with introducing a new wall thickness. Journal of Physics: Conference Series, 2007, 61, 497-502.	0.4	17
8963	A Horizontally Aligned One-Dimensional Carbon Nanotube Array on a Si Substrate. Journal of the Electrochemical Society, 2007, 154, H124.	2.9	6
8964	Electrochemical capacitance of MWCNT/polyaniline composite coatings grown in acidic MWCNT suspensions by microwave-assisted hydrothermal digestion. Nanotechnology, 2007, 18, 385603.	2.6	21
8965	Wafer scale integration of catalyst dots into nonplanar microsystems. Journal of Micro/Nanolithography, MEMS, and MOEMS, 2007, 6, 043014.	0.9	0
8966	Uniform radial expansion/contraction of carbon nanotubes and their transverse elastic moduli. Modelling and Simulation in Materials Science and Engineering, 2007, 15, 835-844.	2.0	39
8967	Functionalized multi-walled carbon nanotubes as affinity ligands. Nanotechnology, 2007, 18, 115614.	2.6	26
8968	New type of BN nanoparticles and films prepared by synergetic deposition processes using laser and plasma: the nanostructures, properties and growth mechanisms. Journal Physics D: Applied Physics, 2007, 40, 2320-2340.	2.8	19
8969	Charge storage characteristics of hydrogenated nanocrystalline silicon film prepared by rapid thermal annealing. Chinese Physics B, 2007, 16, 795-798.	1.3	3
8970	Synthesis and Evaluation of Antibacterial Titanate Nanotubes. Key Engineering Materials, 2005, 280-283, 707-712.	0.4	0
8971	Energetics and electronic structures of AlN nanotubes/wires and their potential application as ammonia sensors. Nanotechnology, 2007, 18, 424023.	2.6	76
8972	Mechanical and Thermal Behavior of a Polymer Composite Reinforced with Functionalized Carbon Nanotubes. Key Engineering Materials, 2007, 334-335, 705-708.	0.4	11
8973	Preparation of Carbon Nanotube Reinforced Epoxy Resin Coating and its Microwave Characteristics. Key Engineering Materials, 2007, 334-335, 677-680.	0.4	5
8974	CNTs/Si₃N₄ Composites Fabricated by Reaction Bonded Processing. Key Engineering Materials, 2007, 336-338, 1277-1279.	0.4	1
8975	Electrical Transport Behavior in Phenolic Resin-based Composites Doped with Multi-walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2007, 1006, 10.	0.1	2
8976	Electron-Beam Induced Growth of Silica Nanowires and Silica/Carbon Heterostructures. Materials Research Society Symposia Proceedings, 2007, 1017, 116.	0.1	2

#	ARTICLE	IF	CITATIONS
8977	Synthesis of Controllably Grown Carbon Nanotubes Interconnects. Materials Research Society Symposia Proceedings, 2007, 1018, 1.	0.1	0
8978	Electrical Resistance Response of Carbon Nanotube / PMMA / PVAc Composite Sensors to Organic Vapours at Low Vapour Concentrations. Key Engineering Materials, 2007, 334-335, 809-812.	0.4	1
8979	Opening Mechanism of Closed Graphitized Tips via Low-Temperature Surface Fluorination. Electrochemical and Solid-State Letters, 2007, 10, A212.	2.2	7
8980	BUCKLING AND POSTBUCKLING ANALYSIS OF MULTI-WALLED CARBON NANOTUBES BASED ON THE CONTINUUM SHELL MODEL. International Journal of Structural Stability and Dynamics, 2007, 07, 629-645.	2.4	8
8981	Synthesis of polystyrene-grafted carbon nanocapsules. Journal of Materials Research, 2007, 22, 132-140.	2.6	3
8982	Optical fibre sensors coated with carbon nanotubes, tin dioxide, and nanoporous polymers for cryogenic detection of hydrogen. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2007, 221, 23-35.	0.1	0
8983	Reinforcing Porous Silica with Carbon Nanotubes to Enhance Mechanical Performance. Journal of Composite Materials, 2007, 41, 979-991.	2.4	12
8984	Field emission mechanism from a single-layer ultra-thin semiconductor film cathode. Journal Physics D: Applied Physics, 2007, 40, 5828-5832.	2.8	11
8985	An approach to control the radius and the chirality of nanotubes. Nanotechnology, 2007, 18, 155703.	2.6	26
8986	Continuum and all-atom description of the energetics of graphene nanocones. Nanotechnology, 2007, 18, 375705.	2.6	8
8987	Fabrication and Thermal Properties of Carbon Nanotube/Nickel Composite by Spark Plasma Sintering Method. Materials Transactions, 2007, 48, 2506-2512.	1.2	52
8988	Preparation of TiO_2 Nanotubes and Their Photocatalytic Properties in Degradation Methylcyclohexane. Materials Transactions, 2007, 48, 2464-2466.	1.2	21
8989	Polymer intercalated V_2O_5 nanostructured cathodes for secondary batteries. EPJ Applied Physics, 2007, 38, 31-35.	0.7	6
8990	Formation and Atomic Structures of Boron Nitride Nanotubes with Cup-Stacked and Fe Nanowire Encapsulated Structures. Materials Transactions, 2007, 48, 722-729.	1.2	10
8991	Carbon Nanotube and Carbon Black Supported Platinum Nanocomposites as Oxygen Reduction Electrocatalysts for Polymer Electrolyte Fuel Cells. Electrochemistry, 2007, 75, 705-708.	1.4	10
8993	Progress in Flammability Studies of Nanocomposites with New Types of Nanoparticles. , 0, , 285-324.		18
8995	Novel Materials for Adsorptive Heat Pumping and Storage: Screening and Nanotailoring of Sorption Properties. Journal of Chemical Engineering of Japan, 2007, 40, 1242-1251.	0.6	138
8996	Electrochemical Sensors Based on Architectural Diversity of the π -Conjugated Structure: Recent Advancements from Conducting Polymers and Carbon Nanotubes. Australian Journal of Chemistry, 2007, 60, 472.	0.9	33

#	ARTICLE	IF	CITATIONS
8998	é»âé¡•â¾¼®é¡ã«ã,^ã,ãf•ãf©ãf¼ãf-ãf³ãf”ãf¼ãfãfãf%ã®è¡¾ãŸ. Materia Japan, 2007, 46, 259-264.	0.1	0
8999	Electronic Structure and Energetics of MgB2 Nanotube. Journal of the Physical Society of Japan, 2007, 76, 043707.	1.6	7
9000	Artificial introduction of defects into vertically aligned multiwalled carbon nanotube ensembles: Application to electrochemical sensors. Journal of Applied Physics, 2007, 102, .	2.5	46
9001	Transport Properties of Double-Walled Carbon Nanotubes in a Transverse Electric Field. Journal of the Physical Society of Japan, 2007, 76, 104706.	1.6	1
9002	Chapter 6 Semi-empirical simulations of carbon nanotube properties under electronic perturbations. Theoretical and Computational Chemistry, 2007, 17, 163-186.	0.4	0
9003	Carbon Nanotubes as Scaffolds for Cell Culture and Effect on Cellular Functions. Dental Materials Journal, 2007, 26, 178-185.	1.8	73
9004	Crystallization Behavior of Polyethylene/Carbon Nanotube Composites. , 0, , 523-551.		0
9005	Growth of Carbon Nanotubes on Carbon Toray Paper for Bio-Fuel Cell Applications. , 2007, , 69.		1
9006	Fundamentals of Polymer Nanocomposite Technology. , 0, , 31-66.		25
9007	Performance evaluation and analysis for carbon nanotube (CNT) based IR detectors. , 2007, , .		4
9010	Synthesis and properties of Î€ conjugated organic molecular one-dimensional nanomaterials. International Journal of Nanotechnology, 2007, 4, 197.	0.2	9
9011	Nanomanipulation and characterisation of individual nano-objects inside a SEM. International Journal of Nanotechnology, 2007, 4, 609.	0.2	4
9012	Shortened double-walled carbon nanotubes by high-energy ball milling. International Journal of Nanotechnology, 2007, 4, 618.	0.2	30
9013	On the possible optical resonance in carbon nanotubes based cavities. International Journal of Nanotechnology, 2007, 4, 638.	0.2	8
9014	Recent developments in single-crystal inorganic nanotubes synthesised from removable templates. International Journal of Nanotechnology, 2007, 4, 730.	0.2	25
9015	A methodology for strength and reliability analysis of carbon nanotube/nanofibre and conventional composite plates. International Journal of Reliability and Safety, 2007, 1, 290.	0.2	0
9016	Efficient readout for carbon nanotube (CNT)-based IR detectors. Proceedings of SPIE, 2007, , .	0.8	1
9017	Evaluation of Nonuniform Strain in Carbon Nanotube with Bend Junction. Journal of Solid Mechanics and Materials Engineering, 2007, 1, 1313-1321.	0.5	1

#	ARTICLE	IF	CITATIONS
9018	Electrochemical Behavior of Levodopa at Multi-Wall Carbon Nanotubes-Quantum Dots Modified Glassy Carbon Electrodes. <i>Analytical Sciences</i> , 2007, 23, 1321-1324.	1.6	15
9019	Organic-Inorganic Hybrid Materials Produced by Dispersion of Inorganic Fillers. <i>Kobunshi</i> , 2007, 56, 122-124.	0.0	0
9020	Gas Adsorption on Nano-Structured Materials. <i>Kobunshi</i> , 2007, 56, 78-81.	0.0	0
9021	ã,«ãf¼ãfœãf³ãfŠãfŽãf¥ãf¼ãf—ã®ã®æ^ã,'ã^¶ã¾¼ã™ã,«. <i>Kobunshi</i> , 2007, 56, 889-892.	0.0	0
9022	Solubilization of Carbon Nanotubes and Their Applications. <i>Kobunshi Ronbunshu</i> , 2007, 64, 539-552.	0.2	4
9023	Oriented Vapor-Grown Carbon Fiber/Polymer Composite Film by Magnetic Field and Their Electric Conductive Properties. <i>Kobunshi Ronbunshu</i> , 2007, 64, 727-734.	0.2	2
9024	Growth of Na ₂ Ti ₆ O ₁₃ Whiskers from the High-Temperature Solutions of NaCl-TiO ₂ System. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 230-232.	1.3	7
9025	A Simple Route to Coat Multiwalled Carbon Nanotubes with Silica. <i>Chemistry Letters</i> , 2007, 36, 1098-1099.	1.3	16
9026	Detection of Antibacterial Activity of Berberine Hydrochloride by Multiwalled Carbon Nanotubes. <i>Chemistry Letters</i> , 2007, 36, 798-799.	1.3	8
9027	Ellipsoidal Carbon Capsules Encapsulated Magnetite Nanorods. <i>Chemistry Letters</i> , 2007, 36, 126-127.	1.3	5
9028	Effects of Coverage of Silica-supported Ni Catalysts with Silica upon Formation of Carbon Nanofibers with Uniform Diameter by Ethylene Decomposition. <i>Chemistry Letters</i> , 2007, 36, 252-253.	1.3	6
9029	Electrochemical Deposition of Well-ordered Single-crystal PbTe Nanowire Arrays. <i>Chemistry Letters</i> , 2007, 36, 1362-1363.	1.3	16
9030	Green Tea Solution Individually Solubilizes Single-walled Carbon Nanotubes. <i>Chemistry Letters</i> , 2007, 36, 1140-1141.	1.3	46
9031	Preparation of Eu(OH) ₃ and Eu ₂ O ₃ Nanorods through a Simple Method. <i>Chemistry Letters</i> , 2007, 36, 468-469.	1.3	12
9032	Fundamentals and Applications of Soluble Carbon Nanotubes. <i>Chemistry Letters</i> , 2007, 36, 692-697.	1.3	110
9033	Guest-Induced Assembly of PdII-Linked Coordination Nanotubes. <i>Bulletin of the Chemical Society of Japan</i> , 2007, 80, 1473-1482.	3.2	22
9035	Nanofabrication Techniques. , 0, , 1-24.		0
9036	ã,«ãf¼ãfœãf³ãfŠãfŽãf¥ãf¼ãf—ç”ç©¶é—ç™®ã®¾¼çŠ¶ã•ã±•æœ». <i>Electrochemistry</i> , 2007, 75, 366-370.	1.4	0

#	ARTICLE	IF	CITATIONS
9037	Development of Polymer Clay Nanocomposite. Journal of the Adhesion Society of Japan, 2007, 43, 144-148.	0.0	0
9038	â±â±â,«âf¼âfœâf³âfŠâfŽâf¥âf¼âf-â®é±ç”£âCE-æŠ€èì“â®é€²â±•. Electrochemistry, 2007, 75, 370-373.	1.4	0
9039	Aligned Carbon Nanotube Polymer Composites. , 2007, , .		0
9040	Microstructure and properties of MoSi 2 intermetallic reinforced and toughening by carbon nanotube. , 2007, , .		0
9041	First-principles study of the electronic structure of aluminate nanotubes. Journal of Physics: Conference Series, 2007, 61, 195-199.	0.4	0
9042	Purification of Carbon Nanotubes through an Electric Field near a Microelectrode. Journal of Physics: Conference Series, 2007, 61, 1061-1065.	0.4	0
9043	Small-scale batch fabrication of carbon nanofiber probes. Journal of Physics: Conference Series, 2007, 61, 1167-1174.	0.4	9
9044	Recent Advances in Drug Delivery: Potential and Limitations of Carbon Nanotubes. Recent Patents on Drug Delivery and Formulation, 2007, 1, 214-221.	2.1	26
9045	Adsorption of nitrogen, hydrogen and carbon dioxide on alumina-pillared clays. Studies in Surface Science and Catalysis, 2007, 160, 327-334.	1.5	13
9046	Multiscale modelling of carbon nanostructures. , 2007, , 220-260.		0
9047	Friction and wear resistance of the electroless Ni-P-CNTs composite coatings. Proceedings of SPIE, 2007, , .	0.8	2
9048	Carbon Nanotube-Based Electrochemical Biosensing Platforms: Fundamentals, Applications, and Future Possibilities. Recent Patents on Biotechnology, 2007, 1, 181-191.	0.8	18
9049	Creation and STM/STS investigations of hydrogen ions induced defects on single-walled carbon nanotubes. Journal of Physics: Conference Series, 2007, 61, 160-165.	0.4	1
9050	Anorganische Festkörperchemie im Konzert der Materialforschung. Nachrichten Aus Der Chemie, 2007, 55, 622-626.	0.0	1
9051	Wideband microwave absorber design using micro and nanomaterials. , 2007, , .		1
9052	Local growth of vertical aligned carbon nanotubes by laserinduced surface modification of coated silicon substrates. Journal of Physics: Conference Series, 2007, 59, 318-321.	0.4	3
9053	Development of automated microrobot-based nanohandling stations for nanocharacterization. , 2007, , .		1
9054	Electrical impedance tomography of carbon nanotube composite materials. , 2007, , .		9

#	ARTICLE	IF	CITATIONS
9055	ZnO-coated Ga ₂ O ₃ nanowires. Proceedings of SPIE, 2007, , .	0.8	0
9056	Mit rationaler Synthese zu Kohlenstoffâ€Nanotubes. Nachrichten Aus Der Chemie, 2007, 55, 962-969.	0.0	16
9057	Nanoparticulate Drug-Delivery Systems. Drugs and the Pharmaceutical Sciences, 2007, , 1-31.	0.1	14
9058	Nanomaterials hold promise in natural gas industry. International Journal of Nanotechnology, 2007, 4, 680.	0.2	7
9059	Pâ€104: A New Cathode Treatment Method in CNTâ€FED Manufacturing. Digest of Technical Papers SID International Symposium, 2007, 38, 593-595.	0.3	0
9060	37.4: A Study on PWM Driving Schemes for a 20 inch VGA Carbon Nanotube Field Emission Display. Digest of Technical Papers SID International Symposium, 2007, 38, 1309-1312.	0.3	0
9061	Cyclic Voltammograms of Ferrocene on Multiâ€Walled Carbon Nanotubes (MWCNTs)â€Modified Edge Plane Pyrolytic Graphite (EPPG) Electrode in Room Temperature Ionic Liquids (RTILs) of 1â€Ethylâ€3â€Methylimidazolium Tetrafluoroborate (EMIBF ₄). Journal of the Chinese Chemical Society, 2007, 54, 723-730.	1.4	4
9062	Rheological and Structure Investigation of Melt Mixed Multi-Walled Carbon Nanotube/PE Composites. Macromolecular Symposia, 2007, 247, 78-87.	0.7	32
9063	Polypyrrole coated carbon nanotubes: Synthesis, characterization, and enhanced electrical properties. Synthetic Metals, 2007, 157, 374-379.	3.9	198
9064	Carbon nanotube composite coated platinum electrode for detection of Cr(III) in real samples. Talanta, 2007, 71, 887-892.	5.5	46
9065	Magnetic loading of carbon nanotube/nano-Fe ₃ O ₄ composite for electrochemical sensing. Talanta, 2007, 71, 1096-1102.	5.5	211
9066	Electrochemical sensor for amino acids and albumin based on composites containing carbon nanotubes and copper microparticles. Talanta, 2007, 71, 1282-1287.	5.5	54
9067	Amperometric glucose biosensor based on electrodeposition of platinum nanoparticles onto covalently immobilized carbon nanotube electrode. Talanta, 2007, 71, 2040-2047.	5.5	208
9068	Electrochemical detection of DNA hybridization based on polypyrrole/ss-DNA/multi-wall carbon nanotubes paste electrode. Talanta, 2007, 72, 1030-1035.	5.5	80
9069	Microwave plasma treated carbon nanotubes and their electrochemical biosensing application. Talanta, 2007, 72, 1336-1341.	5.5	29
9070	Amperometric glutamate biosensor based on self-assembling glutamate dehydrogenase and dendrimer-encapsulated platinum nanoparticles onto carbon nanotubes. Talanta, 2007, 73, 438-443.	5.5	80
9071	Carbon nanotube/polystyrene composite electrode for microchip electrophoretic determination of rutin and quercetin in Flos Sophorae Immaturus. Talanta, 2007, 73, 932-937.	5.5	74
9072	Carbon nanotube and diamond as electrochemical detectors in microchip and conventional capillary electrophoresis. Talanta, 2007, 74, 326-332.	5.5	47

#	ARTICLE	IF	CITATIONS
9073	Molecular anchoring of anthracene-based copolymers onto carbon nanotubes: Enhanced pH sensing. <i>Talanta</i> , 2007, 74, 365-369.	5.5	15
9074	Comparative study of multi walled carbon nanotubes-based electrodes in micellar media and their application to micellar electrokinetic capillary chromatography. <i>Talanta</i> , 2007, 74, 376-386.	5.5	27
9075	Carbon nanotubes for electrochemical biosensing. <i>Talanta</i> , 2007, 74, 291-307.	5.5	513
9076	Anchoring a Liquid Crystal Molecule on a Single-Walled Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1620-1624.	3.1	139
9077	Quantum transport in a curved one-dimensional quantum wire with spin-orbit interactions. <i>Physical Review B</i> , 2007, 75, .	3.2	26
9078	Prospects for electron imaging with ultrafast time resolution. <i>Applied Physics Letters</i> , 2007, 90, 114101.	3.3	36
9079	Dense Vertically Aligned Multiwalled Carbon Nanotube Arrays as Thermal Interface Materials. <i>IEEE Transactions on Components and Packaging Technologies</i> , 2007, 30, 92-100.	1.3	292
9080	Microwave dielectric properties of carbon black filled polymers under uniaxial tension. <i>Journal of Applied Physics</i> , 2007, 101, 084111.	2.5	59
9081	Photoacoustic characterization of carbon nanotube array thermal interfaces. <i>Journal of Applied Physics</i> , 2007, 101, 054313.	2.5	208
9082	Polymer Solar Cells. , 2007, , 1-86.		37
9083	Thermal and Morphological Characterization of Nanocomposites Prepared by in-Situ Polymerization of High-Density Polyethylene on Carbon Nanotubes. <i>Macromolecules</i> , 2007, 40, 6268-6276.	4.8	192
9084	Preparation of Nanocomposites of Metals, Metal Oxides, and Carbon Nanotubes via Self-Assembly. <i>Journal of the American Chemical Society</i> , 2007, 129, 9401-9409.	13.7	353
9085	Electronic and transport properties of nanotubes. <i>Reviews of Modern Physics</i> , 2007, 79, 677-732.	45.6	1,234
9086	First-principles study: size-dependent optical properties for semiconducting silicon carbide nanotubes. <i>Optics Express</i> , 2007, 15, 10947.	3.4	49
9087	Adsorption of Polar and Nonpolar Organic Chemicals to Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2007, 41, 8295-8300.	10.0	683
9088	Controlled Synthesis and Novel Solution Rheology of Hyperbranched Poly(urea-urethane)-Functionalized Multiwalled Carbon Nanotubes. <i>Macromolecules</i> , 2007, 40, 5858-5867.	4.8	55
9089	Desorption of polycyclic aromatic hydrocarbons from carbon nanomaterials in water. <i>Environmental Pollution</i> , 2007, 145, 529-537.	7.5	293
9090	Molecular dynamics simulations of boron-nitride nanotubes embedded in amorphous Si-B-N. <i>Computational Materials Science</i> , 2007, 39, 502-517.	3.0	25

#	ARTICLE	IF	CITATIONS
9091	Computer simulation of buckling behavior of double-walled carbon nanotubes with abnormal interlayer distances. Computational Materials Science, 2007, 39, 664-672.	3.0	30
9092	Atomistic study of the influences of size, VDW distance and arrangement of carbon nanotubes on hydrogen storage. Computational Materials Science, 2007, 40, 300-308.	3.0	12
9093	Computer simulation of hydrogen physisorption in single-walled boron nitride nanotube arrays. Computational Materials Science, 2007, 40, 341-344.	3.0	26
9094	Fabrication and tribological properties of carbon nanotubes reinforced Al composites prepared by pressureless infiltration technique. Composites Part A: Applied Science and Manufacturing, 2007, 38, 301-306.	7.6	192
9095	Developing the mechanical models for nanomaterials. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1234-1250.	7.6	76
9096	Computer simulation of carbon nanotube pull-out from polymer by the molecular dynamics method. Composites Part A: Applied Science and Manufacturing, 2007, 38, 747-754.	7.6	137
9097	Morphological and mechanical properties of bile salt modified multi-walled carbon nanotube/poly(vinyl alcohol) nanocomposites. Composites Part A: Applied Science and Manufacturing, 2007, 38, 2041-2046.	7.6	31
9098	TiO ₂ nanotubes: Self-organized electrochemical formation, properties and applications. Current Opinion in Solid State and Materials Science, 2007, 11, 3-18.	11.5	1,218
9099	Carbon nanotubes and liquid crystalline phases. Liquid Crystals Today, 2007, 16, 1-11.	2.3	81
9100	Deposition of iron nanoparticles onto multiwalled carbon nanotubes by helicon plasma-enhanced, chemical vapor deposition. Journal of Non-Crystalline Solids, 2007, 353, 1208-1211.	3.1	9
9101	Synthesis of aligned ripple-like and helical structure silica fibres. Journal of Non-Crystalline Solids, 2007, 353, 1041-1045.	3.1	2
9102	Bamboo-shaped carbon nanotubes produced by catalytic decomposition of methane over nickel nanoparticles supported on aluminum. Journal of Alloys and Compounds, 2007, 428, 79-83.	5.5	42
9103	Facile preparation, characterization and optical properties of rectangular PbCrO ₄ single-crystal nanorods. Journal of Alloys and Compounds, 2007, 431, L4-L7.	5.5	19
9104	TEM studies of the initial stage growth and morphologies of bamboo-shaped carbon nanotubes synthesized by CVD. Journal of Alloys and Compounds, 2007, 433, 79-83.	5.5	11
9105	Carbon fiber formation on Pd and Ni catalysts by acetylene decomposition. Journal of Alloys and Compounds, 2007, 434-435, 846-849.	5.5	8
9106	Nanostructured actinide compounds. Journal of Alloys and Compounds, 2007, 444-445, 457-463.	5.5	28
9107	Analyzing the quality of carbon nanotube dispersions in polymers using scanning electron microscopy. Carbon, 2007, 45, 1279-1288.	10.3	92
9108	Preparation and characterization of chitosan-grafted multiwalled carbon nanotubes and their electrochemical properties. Carbon, 2007, 45, 1212-1218.	10.3	163

#	ARTICLE	IF	CITATIONS
9109	A simple method to synthesize layered double hydroxide nanoscrolls. Materials Research Bulletin, 2007, 42, 571-575.	5.2	26
9110	Internalization of MWCNTs by microglia: Possible application in immunotherapy of brain tumors. NeuroImage, 2007, 37, S9-S17.	4.2	142
9111	Raman spectroscopy of graphene and graphite: Disorder, electron-phonon coupling, doping and nonadiabatic effects. Solid State Communications, 2007, 143, 47-57.	1.9	6,322
9112	Purification, Cutting, and Sidewall Functionalization of Multiwalled Carbon Nanotubes Using Potassium Permanganate Solutions. Journal of Physical Chemistry C, 2007, 111, 2440-2446.	3.1	67
9113	Work function of single-walled and multiwalled carbon nanotubes: First-principles study. Physical Review B, 2007, 76, .	3.2	147
9114	Determination of the Surface Coverage of Exfoliated Carbon Nanotubes by Surfactant Molecules in Aqueous Solution. Langmuir, 2007, 23, 3646-3653.	3.5	91
9115	Fabrication of Carbon Nanotube~Polyaniline Composites via Electrostatic Adsorption in Aqueous Colloids. Journal of Physical Chemistry C, 2007, 111, 4125-4131.	3.1	107
9116	Carbon nanotube/polysulfone composite screen-printed electrochemical enzyme biosensors. Analyst, The, 2007, 132, 142-147.	3.5	78
9117	Nanomaterials and the environment: uses, methods and measurement. Journal of Environmental Monitoring, 2007, 9, 1154.	2.1	55
9118	dc photoconduction studies of single-walled carbon nanotube bundles. Physical Review B, 2007, 76, .	3.2	9
9119	Supramolecular Carbon Nanotube-Fullerene Donor~Acceptor Hybrids for Photoinduced Electron Transfer. Journal of the American Chemical Society, 2007, 129, 15865-15871.	13.7	144
9120	AC arc discharge synthesis of single-walled nanohorns and highly convoluted graphene sheets. Nanotechnology, 2007, 18, 255604.	2.6	54
9121	Hydrogen storage in nanoporous carbon materials: myth and facts. Physical Chemistry Chemical Physics, 2007, 9, 1786-1792.	2.8	151
9122	Preparation of carbon nanotube-supported Fe ₂ O ₃ catalysts and their catalytic activities for ethylbenzene dehydrogenation. New Carbon Materials, 2007, 22, 213-217.	6.1	24
9123	The production of carbon nano-materials by arc discharge under water or liquid nitrogen. New Carbon Materials, 2007, 22, 337-341.	6.1	41
9124	Adsorption behavior of heavy metal ions by carbon nanotubes grown on micro-sized Al ₂ O ₃ particles. International Journal of Minerals, Metallurgy, and Materials, 2007, 14, 77-84.	0.2	46
9125	Nanoscale Fracture Mechanics. Annual Review of Physical Chemistry, 2007, 58, 185-209.	10.8	45
9126	Use of tip-enhanced vibrational spectroscopy for analytical applications in chemistry, biology, and materials science. , 2007, , 115-155.		11

#	ARTICLE	IF	CITATIONS
9127	A novel hybrid nanostructure based on SiO ₂ @carbon nanotube coaxial nanocable. New Journal of Chemistry, 2007, 31, 575.	2.8	20
9128	Solubilization of Single-Walled Carbon Nanotubes by Supramolecular Complexes of Barbituric Acid and Triaminopyrimidines. Langmuir, 2007, 23, 10913-10915.	3.5	47
9129	Raman Spectra and Temperature-Dependent Raman Scattering of Silicon Nanowires. Journal of Physical Chemistry C, 2007, 111, 5855-5858.	3.1	66
9130	Preparation of Carbon Nanotubes/Neutral Red Composite Film Modified Electrode and Its Catalysis on Rutin. Electroanalysis, 2007, 19, 2329-2334.	2.9	22
9131	Fabrication and magnetic properties of NiFe ₂ O ₄ nanocrystalline nanotubes. Journal of Materials Science, 2007, 42, 7214-7219.	3.7	18
9132	Biomedical Platforms Based on Composite Nanomaterials and Cellular Toxicity. Journal of Physics: Conference Series, 2007, 61, 95-98.	0.4	12
9133	Purity assessment of multiwalled carbon nanotubes by Raman spectroscopy. Journal of Applied Physics, 2007, 101, 064307.	2.5	402
9134	Soft materials with graphitic nanostructures. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2007, 365, 1539-1552.	3.4	29
9135	The extraordinary reinforcing efficiency of single-walled carbon nanotubes in oriented poly(vinyl Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	2.6	132
9136	Natural Organic Matter Stabilizes Carbon Nanotubes in the Aqueous Phase. Environmental Science & Technology, 2007, 41, 179-184.	10.0	756
9137	Nanostructural control of cup-stacked carbon nanotubes with 1-benzyl-1,4-dihydronicotinamide dimer via photoinduced electron transfer. Chemical Communications, 2007, , 55-57.	4.1	12
9138	Synthesizing carbon nanotubes and carbon nanofibers over supported-nickel oxide catalysts via catalytic decomposition of methane. Diamond and Related Materials, 2007, 16, 1656-1664.	3.9	44
9139	Quantitative Detection of Protein Using a Top-gate Carbon Nanotube Field Effect Transistor. Journal of Physical Chemistry C, 2007, 111, 8667-8670.	3.1	53
9140	Decorating carbon nanotubes with metal or semiconductor nanoparticles. Journal of Materials Chemistry, 2007, 17, 2679.	6.7	622
9141	Circuit-Level Modeling and Detection of Metallic Carbon Nanotube Defects in Carbon Nanotube FETs. , 2007, , .		9
9142	Low-temperature field ion microscopy of carbon nanotubes. Low Temperature Physics, 2007, 33, 858-860.	0.6	3
9143	Self-assembled peptide nanostructures: the design of molecular building blocks and their technological utilization. Chemical Society Reviews, 2007, 36, 1263.	38.1	931
9144	Aligned Carbon Nanotube Reinforcement of Advanced Ply Interfaces in Woven Composites. , 2007, , .		8

#	ARTICLE	IF	CITATIONS
9145	Dynamic Continuum Models for Carbon Nanotubes. , 2007, , .		0
9146	Improved Sensing Properties of Epoxy Resin Polymers and Carbon Fiber Reinforced Epoxy Resin Composites by the Introduction of Multi-Wall Carbon Nanotubes (MWCNT). , 2007, , .		4
9147	Characterization of CNTs-Reinforced Interfaces for Surface Mounted Piezoelectric Actuators. , 2007, , .		0
9148	Infrared Microscopy Thermal Characterization of Opposing Carbon Nanotube Arrays. Journal of Heat Transfer, 2007, 129, 91-93.	2.1	35
9149	Theoretical Study of the Electronic Structure of GaAs Nanotubes. Journal of Physical Chemistry C, 2007, 111, 12284-12288.	3.1	11
9150	Large scale SiCâˆSiOx nanocables: Synthesis, photoluminescence, and field emission properties. Journal of Applied Physics, 2007, 102, .	2.5	35
9151	Temperature response of carbon nanotube networks. Journal of Physics: Conference Series, 2007, 61, 247-251.	0.4	9
9152	Purification of carbon nanotubes through an electric field near the arranged microelectrodes. Nanotechnology, 2007, 18, 115602.	2.6	9
9153	Magnetically assembled carbon nanotube tipped pipettes. Applied Physics Letters, 2007, 90, 103108.	3.3	65
9154	Macroporous 3D Architectures of Self-Assembled MWCNT Surface Decorated with Pt Nanoparticles as Anodes for a Direct Methanol Fuel Cell. Journal of Physical Chemistry C, 2007, 111, 5557-5560.	3.1	132
9155	Quantized current in carbon nanotube quantum dots by surface acoustic waves. New Journal of Physics, 2007, 9, 73-73.	2.9	12
9156	The effect of purification of single-walled carbon nanotube bundles on the alcohol sensitivity of nanocomposite Langmuirâ€Blodgett films for SAW sensing applications. Nanotechnology, 2007, 18, 185502.	2.6	37
9157	A molecular dynamics study of the nucleation, thermal stability and nanomechanics of carbon nanocones. Nanotechnology, 2007, 18, 105702.	2.6	55
9158	Modeling of carbon nanotube composites for vibration damping. , 2007, , .		4
9159	Application of oxidized multi-wall carbon nanotubes for Th(IV) adsorption. Radiochimica Acta, 2007, 95, .	1.2	57
9160	Numerical Simulation in Molecular Dynamics. , 2007, , .		4
9161	Carbon nanotube and nanofiber syntheses by the decomposition of methane on group 8â€10 metal-loaded MgO catalysts. Diamond and Related Materials, 2007, 16, 1121-1125.	3.9	45
9162	A Density Functional Study of the ¹³ C NMR Chemical Shifts in Functionalized Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2007, 129, 4430-4439.	13.7	47

#	ARTICLE	IF	CITATIONS
9163	Efficiently Stabilized Spherical Vaterite CaCO ₃ Crystals by Carbon Nanotubes in Biomimetic Mineralization. <i>Langmuir</i> , 2007, 23, 4575-4582.	3.5	47
9164	An Overview of Label-free Electrochemical Protein Sensors. <i>Sensors</i> , 2007, 7, 3442-3458.	3.8	156
9165	Noncovalent porphyrin-functionalized single-walled carbon nanotubes: solubilization and spectral behaviors. <i>Journal of Porphyrins and Phthalocyanines</i> , 2007, 11, 418-427.	0.8	29
9166	Nanoscale mechanical characteristics of vertical ZnO nanowires grown on ZnO:Ga/glass templates. <i>Nanotechnology</i> , 2007, 18, 225603.	2.6	54
9167	RF PECVD Characteristics for the Growth of Carbon Nanotubes in a CH_4/N_2 Mixed Gas. <i>IEEE Transactions on Plasma Science</i> , 2007, 35, 1027-1032.	1.3	6
9168	Density-functional theory calculations of bare and passivated triangular-shaped ZnO nanowires. <i>Applied Physics Letters</i> , 2007, 91, 031914.	3.3	41
9169	Electroluminescent characteristics of organic light-emitting diodes with doped carbon nanotubes. <i>Diamond and Related Materials</i> , 2007, 16, 1162-1166.	3.9	12
9171	Electrochemical Biosensors and Microfluidics in Organic System-on-Package Technology. , 2007, , .		6
9172	Dynamical Observation of Bamboo-like Carbon Nanotube Growth. <i>Nano Letters</i> , 2007, 7, 2234-2238.	9.1	213
9173	Molecular dynamics simulation of polyethylene on single wall carbon nanotube. <i>Journal of Chemical Physics</i> , 2007, 127, 094902.	3.0	70
9174	Functionalization of Multi-Walled Carbon Nanotubes with Poly(2-ethyl-2-oxazoline). <i>Macromolecular Symposia</i> , 2007, 249-250, 270-275.	0.7	14
9175	Noncovalent Interactions between Graphene Sheets and in Multishell (Hyper)Fullerenes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11199-11207.	3.1	229
9176	Multi-walled carbon nanotubes decorated with titanium nanoparticles: synthesis and characterization. <i>Nanotechnology</i> , 2007, 18, 485610.	2.6	14
9177	Carbon Nanotube Polymer Composites: Recent Developments in Mechanical Properties. , 2007, , 585-598.		5
9178	Voltage and Length-Dependent Phase Diagram of the Electronic Transport in Carbon Nanotubes. <i>Nano Letters</i> , 2007, 7, 2568-2573.	9.1	32
9179	Development of Carbon Nanotube-Based Sensors—A Review. <i>IEEE Sensors Journal</i> , 2007, 7, 266-284.	4.7	242
9180	Fabrication and Experimental Testing of Individual Multi-walled Carbon Nanotube (CNT) based Infrared Sensors. , 2007, , .		7
9181	Single-Crystalline BiVO ₄ Microtubes with Square Cross-Sections: Microstructure, Growth Mechanism, and Photocatalytic Property. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13659-13664.	3.1	247

#	ARTICLE	IF	CITATIONS
9182	Thermal conductivity of functionalized single-wall carbon nanotubes. Nanotechnology, 2007, 18, 285704.	2.6	32
9183	Thermal Properties of Carbon Nanotubes. , 2007, , 154-187.		2
9184	Role of Electronic Excitations in Ion Collisions with Carbon Nanostructures. Physical Review Letters, 2007, 99, 016104.	7.8	142
9185	Shape- and Size-controlled Growth of ZnS Nanostructures. Journal of Physical Chemistry C, 2007, 111, 8469-8474.	3.1	75
9186	Functionalization of carbon nanotubes by atomic nitrogen formed in a microwave plasma Ar + N ₂ and subsequent poly(μ -caprolactone) grafting. Journal of Materials Chemistry, 2007, 17, 157-159.	6.7	79
9187	Charge-Associated Effects of Fullerene Derivatives on Microbial Structural Integrity and Central Metabolism. Nano Letters, 2007, 7, 754-760.	9.1	167
9188	Silicon-Based Low-Dimensional Nanomaterials and Nanodevices. Chemical Reviews, 2007, 107, 1454-1532.	47.7	219
9189	Size Manipulated Photoluminescence and Phosphorescence in CaTiO ₃ :Pr ³⁺ Nanoparticles. Journal of Physical Chemistry C, 2007, 111, 18044-18048.	3.1	40
9190	Single-walled carbon nanotubes binding to human telomeric i-motif DNA: significant acceleration of S1 nuclease cleavage rate. Chemical Communications, 2007, , 5176.	4.1	50
9191	Field emission properties of carbon nanostructures: A review. , 2007, , .		4
9192	Functionalization of Multi-Walled Carbon Nanotubes. Materials Science Forum, 2007, 537-538, 623-630.	0.3	0
9193	Determination of the chiral indices (n,m) of carbon nanotubes by electron diffraction. Physical Chemistry Chemical Physics, 2007, 9, 31-48.	2.8	117
9194	Quantitative structural analysis of individual nanotubes by electron diffraction. Zeitschrift Fur Kristallographie - Crystalline Materials, 2007, 222, .	0.8	15
9195	The effects of encapsulating C60fullerenes on the bending flexibility of carbon nanotubes. Nanotechnology, 2007, 18, 275702.	2.6	25
9196	Plasma-aided nanofabrication: where is the cutting edge?. Journal Physics D: Applied Physics, 2007, 40, 2223-2241.	2.8	236
9197	Atomic Resolution Transmission Electron Microscopy. , 2007, , 3-64.		2
9198	Electrodynamics of chiral carbon nanotubes in the helical parametrization scheme. Journal of Nanophotonics, 2007, 1, 013505.	1.0	7
9199	Voltammetric Determination of Hydroquinone using β -Cyclodextrin/Poly(N-Acetylaniline)/Carbon Nanotube Composite Modified Glassy Carbon Electrode. Analytical Letters, 2007, 40, 2141-2150.	1.8	26

#	ARTICLE	IF	CITATIONS
9200	Optical phonons in carbon nanotubes: Kohn anomalies, Peierls distortions, and dynamic effects. Physical Review B, 2007, 75, .	3.2	418
9201	Vibrational property and Raman spectrum of carbon nanoribbon. Applied Physics Letters, 2007, 91, 173108.	3.3	92
9202	Transition of Single-Walled Carbon Nanotubes from Metallic to Semiconducting in Field-Effect Transistors by Hydrogen Plasma Treatment. Nano Letters, 2007, 7, 1622-1625.	9.1	50
9203	Interactions between Single-Walled Carbon Nanotubes and Tetraphenyl Metalloporphyrins: Correlation between Spectroscopic and FET Measurements. Journal of Physical Chemistry C, 2007, 111, 3539-3543.	3.1	42
9204	Nano-enabled synthetic biology. Molecular Systems Biology, 2007, 3, 125.	7.2	124
9205	Dispersion Stability of Single-Walled Carbon Nanotubes Using Nafion in Bisolvent. Journal of Physical Chemistry C, 2007, 111, 2477-2483.	3.1	66
9206	Catalyst-Free Carbon Nanotubes from Coal-Based Material. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2007, 29, 21-27.	2.3	28
9207	Modeling the Optical Interaction Between a Carbon Nanotube and a Plasmon Resonant Sphere. IEEE Transactions on Antennas and Propagation, 2007, 55, 3063-3069.	5.1	13
9208	Investigating the reactive sites and the anomalously large changes in surface pKa values of chemically modified carbon nanotubes of different morphologies. Journal of Materials Chemistry, 2007, 17, 2616.	6.7	52
9209	Carbon Nanotubes Contain Residual Metal Catalyst Nanoparticles even after Washing with Nitric Acid at Elevated Temperature Because These Metal Nanoparticles Are Sheathed by Several Graphene Sheets. Langmuir, 2007, 23, 6453-6458.	3.5	267
9210	Mechanical behavior of ultralong multiwalled carbon nanotube mats. Journal of Applied Physics, 2007, 101, 023512.	2.5	74
9211	Micromechanics of Heterogeneous Materials. , 2007, , .		114
9212	Gaseous adsorption of carbon tetrachloride onto carbon nanofiber arrays prepared by template-assisted synthesis. Diamond and Related Materials, 2007, 16, 1945-1949.	3.9	7
9213	The physics of the space elevator. American Journal of Physics, 2007, 75, 125-130.	0.7	25
9214	Computational modelling of the flow of viscous fluids in carbon nanotubes. Journal Physics D: Applied Physics, 2007, 40, 7046-7052.	2.8	78
9215	Synthesis of carbon nanotubes: Controlled fabrication of intraconnects. Journal of Vacuum Science & Technology B, 2007, 25, 1191.	1.3	4
9216	Ni-Cr alloy to enhance single- and double-walled carbon nanotube synthesis for field-effect transistor fabrication. Applied Physics Letters, 2007, 90, 223103.	3.3	0
9217	Linear and Hyperbranched Glycopolymers-Functionalized Carbon Nanotubes: Synthesis, Kinetics, and Characterization. Macromolecules, 2007, 40, 1803-1815.	4.8	139

#	ARTICLE	IF	CITATIONS
9218	Atomic-Scale Structure of Nanosized Titania and Titanate: Particles, Wires, and Tubes. Chemistry of Materials, 2007, 19, 6180-6186.	6.7	60
9219	Extension-induced dispersion of multi-walled carbon nanotube in non-Newtonian fluid. Journal of Rheology, 2007, 51, 833-850.	2.6	22
9220	Nanobiotechnology: An Engineer's Foray into Biology. Advances in Computers, 2007, 71, 39-102.	1.6	1
9221	Facile Synthesis and Catalytic Properties of Fe^{2+} -Co(OH) ₂ and Mg (OH) ₂ Nanoplates. Chemical Research in Chinese Universities, 2007, 23, 508-510.	2.6	0
9222	Synthesis of carbon nanosheets and carbon nanotubes by radio frequency plasma enhanced chemical vapor deposition. Diamond and Related Materials, 2007, 16, 196-201.	3.9	71
9223	Fabrication of Graphite Nanofibers Reinforced Metal Matrix Composites by Powder Metallurgy and Their Mechanical and Physical Characteristics. Journal of Composite Materials, 2007, 41, 1431-1443.	2.4	17
9225	Mechanics of spheroidal fullerenes and carbon nanotubes for drug and gene delivery. Quarterly Journal of Mechanics and Applied Mathematics, 2007, 60, 231-253.	1.3	18
9228	Defect-Controlled Transport Properties of Metallic Atoms along Carbon Nanotube Surfaces. Physical Review Letters, 2007, 99, 046803.	7.8	31
9229	The Thermal, Mechanical and Electronic Properties of Nanoscale Materials: Ab Initio Study. Materials Science Forum, 0, 561-565, 1931-1934.	0.3	0
9230	Size Dependence of Gas Sensitivity of ZnO Nanorods. Journal of Physical Chemistry C, 2007, 111, 1900-1903.	3.1	393
9231	Bonding and structure in B _x N _y nanotubes (x,y = 1,2). Journal of Materials Chemistry, 2007, 17, 2892.	6.7	11
9232	Determination of chiralities of single-walled carbon nanotubes by neutron powder diffraction technique. Diamond and Related Materials, 2007, 16, 473-476.	3.9	6
9233	Catalytic Routes Towards Single Wall Carbon Nanotubes. Catalysis Reviews - Science and Engineering, 2007, 49, 341-405.	12.9	72
9234	CVD production of double-wall and triple-wall carbon nanotubes. Diamond and Related Materials, 2007, 16, 1087-1090.	3.9	9
9235	Characterization of layer-by-layer self-assembled carbon nanotube multilayer thin films. Nanotechnology, 2007, 18, 145709.	2.6	46
9236	Mixing Aqueous Ferric Chloride and H_2O -Phenylenediamine Solutions at Room Temperature: A Fast, Economical Route to Ultralong Microfibrils of Assembled H_2O -Phenylenediamine Dimers. Langmuir, 2007, 23, 10441-10444.	3.5	54
9237	Electron energy-loss spectroscopy characterization and microwave absorption of iron-filled carbon-nitrogen nanotubes. Nanotechnology, 2007, 18, 355705.	2.6	27
9238	Spin-Polarized Transport in Carbon Nanowires Inside Semiconducting Carbon Nanotubes. Journal of Physical Chemistry C, 2007, 111, 10130-10134.	3.1	12

#	ARTICLE	IF	CITATIONS
9239	When double-wall carbon nanotubes can become metallic or semiconducting. Journal of Physics Condensed Matter, 2007, 19, 176209.	1.8	38
9240	Mechanical properties of carbon nanocones. Applied Physics Letters, 2007, 91, .	3.3	62
9241	Water, proton, and ion transport: from nanotubes to proteins. Molecular Physics, 2007, 105, 201-207.	1.7	78
9242	Harmonic generation of open-ended and capped carbon nanotubes investigated by time-dependent Hartree-Fock theory. Physical Review B, 2007, 75, .	3.2	20
9243	Carbon Nanotubes Grow on the C Face of SiC (0001), during Sublimation Decomposition: Quantum Chemical Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2007, 111, 12960-12972.	3.1	21
9244	Magnetic Fe nanoparticle functionalized water-soluble multi-walled carbon nanotubules towards the preparation of sorbent for aromatic compounds removal. Chemical Communications, 2007, , 386-388.	4.1	67
9245	Organic Molecule-Assisted Hydrothermal Self-Assembly of Size-Controlled Tubular ZnO Nanostructures. Journal of Physical Chemistry C, 2007, 111, 7280-7287.	3.1	51
9246	Characteristic optimization of MWCNTs using MPCVD system. , 2007, , .		2
9247	Carbon Nanotubes Grown by RF Heating and their Morphological and Structural Properties. Conference Record - IAS Annual Meeting (IEEE Industry Applications Society), 2007, , .	0.0	0
9248	Angular dependence of coercivity in magnetic nanotubes. Nanotechnology, 2007, 18, 445706.	2.6	75
9249	Aligned MWCNT Sheet Electrodes Prepared by Transfer Methodology Providing High-Power Capacitor Performance. Electrochemical and Solid-State Letters, 2007, 10, A106.	2.2	149
9250	The effects of nanotube fillers on craze formation in simulated glassy polymers under tensile load. Molecular Simulation, 2007, 33, 421-427.	2.0	7
9251	Carbon Nanotubes Coated Acoustic and Optical VOCs Sensors: Towards the Tailoring of the Sensing Performances. IEEE Nanotechnology Magazine, 2007, 6, 601-612.	2.0	20
9252	Polymer Grafting of Carbon Nanotubes Using Living Free-Radical Polymerization. Polymer Reviews, 2007, 47, 265-290.	10.9	115
9253	Effects of plasma surface modification on interfacial behaviors and mechanical properties of carbon nanotube-Al ₂ O ₃ nanocomposites. Applied Physics Letters, 2007, 91, .	3.3	22
9254	Multiple-telescoping multi-walled carbon nanotubes fabricated inside a TEM. , 2007, , .		0
9255	Doping effect of multiwall carbon nanotubes on the microwave electromagnetic properties of NiCoZn spinel ferrites. Applied Physics Letters, 2007, 90, 011108.	3.3	38
9256	Measurement and analysis of interaction forces between carbon nanotube tip and substrate. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
9257	Experimental and numerical investigation into buckling instability of carbon nanotube probes under nanoindentation. Applied Physics Letters, 2007, 90, 161913.	3.3	23
9258	Magneto-optical studies of single-wall carbon nanotubes. Physical Review B, 2007, 76, .	3.2	22
9259	Quantum-confined and tunable optical emission from sub-10-nm silicon oxide nanowires in aqueous suspension. Applied Physics Letters, 2007, 91, 193111.	3.3	3
9260	Multi-Wall Carbon Nanotubes/Styrene Butadiene Rubber (SBR) Nanocomposite. Fullerenes Nanotubes and Carbon Nanostructures, 2007, 15, 207-214.	2.1	39
9261	A Novel Architecture of High Optical Non Linearity in Carbon Nanotube Based Nano Fiber Optic for Future Quantum Communication. , 2007, , .		1
9262	Orbiting atoms and C60 fullerenes inside carbon nanotori. Journal of Applied Physics, 2007, 101, 064319.	2.5	56
9263	Intra- and intertube tunneling transport in ropes of single-walled carbon nanotubes. Applied Physics Letters, 2007, 90, 232109.	3.3	1
9264	A Carbon Nanotube Smart Material for Structural Health Monitoring. Solid State Phenomena, 0, 120, 289-296.	0.3	12
9265	Optimal design of integrally gated CNT field-emission devices using a genetic algorithm. Nanotechnology, 2007, 18, 395203.	2.6	9
9266	Local Synthesis of Single-walled Carbon Nanotubes on Zeolite-covered Silicon Substrate by Laser-heating Chemical Vapor Depositon. , 2007, , .		0
9267	Nanorobotic Spot Welding by Attogram Precision Metal Deposition from Copper-filled Carbon Nanotubes. Proceedings - IEEE International Conference on Robotics and Automation, 2007, , .	0.0	1
9268	The Influence of Catalyst Nature on the Morphology of Multi-Directionally Grown Carbon Nanofibers. Advanced Materials Research, 2007, 26-28, 735-738.	0.3	0
9269	Investigation on The Biological Effects of Ferrite NanoNi-Zn Powders. , 2007, , .		0
9270	Graphite-like carbon-encapsulated iron nanoparticle self-assembly into macroscopic microtube structures. Journal of Materials Chemistry, 2007, 17, 4619.	6.7	12
9271	Unprecedented interweaving of single-helical and unequal double-helical chains into chiral metal-organic open frameworks with multiwalled tubular structures. Chemical Communications, 2007, , 2293-2295.	4.1	142
9272	Inelastic buckling of carbon nanotubes. Applied Physics Letters, 2007, 90, 033110.	3.3	68
9273	Application of multi-walled carbon nanotubes as substrate for the on-line preconcentration, speciation and determination of vanadium by ETAAS. Journal of Analytical Atomic Spectrometry, 2007, 22, 1290.	3.0	57
9274	Identifying quinone-like species on the surface of graphitic carbon and multi-walled carbon nanotubes using reactions with 2,4-dinitrophenylhydrazine to provide a voltammetric fingerprint. New Journal of Chemistry, 2007, 31, 958.	2.8	42

#	ARTICLE	IF	CITATIONS
9275	Comparison between metallic carbon nanotube and copper future VLSI nano-interconnects. , 2007, , .		8
9276	DEP-based fabrication and characterization of electronic-grade CNTs for nano-sensing applications. , 2007, , .		1
9277	Synthesis of poly(para-phenylene)(2-isocyano-2-tosylpropane-1,3-diyl), poly(para-phenylene)(2-oxopropane-1,3-diyl) and oligo(cyclopentadienones) via carbonylative coupling of 1,4-dibromoxylene. Chemical Communications, 2007, , 4665.	4.1	2
9278	Using χ distributions to predict self-diffusivities and density of states of fluids confined in carbon nanotubes. Physical Chemistry Chemical Physics, 2007, 9, 1952.	2.8	0
9279	Toward organic thick film solar cells: Three dimensional bulk heterojunction organic thick film solar cell using fullerene single crystal nanorods. Applied Physics Letters, 2007, 91, 173503.	3.3	62
9280	Quantitative Control over Electrodeposition of Silica Films onto Single-Walled Carbon Nanotube Surfaces. Journal of Physical Chemistry C, 2007, 111, 17730-17742.	3.1	25
9281	Structure and Morphology of Co Nanoparticles Deposited onto Highly Oriented Pyrolytic Graphite. Journal of Physical Chemistry C, 2007, 111, 17200-17205.	3.1	25
9282	Deposition and Characterization of Layer-by-Layer Nano Self-Assembled Carbon Nanotube Multilayer Thin Films. , 2007, , .		1
9283	MULTIWALLED CARBON NANOTUBE-BASED AROMATIC HYDROCARBON SENSOR USING ELECTRONIC DIPOLE SPECTROSCOPY. Chemical Engineering Communications, 2007, 195, 115-128.	2.6	3
9284	Nanorobotic manipulation setup for pick-and-place handling and nondestructive characterization of carbon nanotubes. , 2007, , .		30
9285	Fabrication of laterally "sliced" metal plated carbon nanotubes under aqueous continuous flow conditions. Journal of Materials Chemistry, 2007, 17, 4872.	6.7	13
9286	Single-crystal metal-organic microtubes self-assembled from designed D3 symmetrical nanoclusters with a capped triple-helix pentanuclear M5O6 core. Chemical Communications, 2007, , 4785.	4.1	14
9287	Hydrophobic coating of carbon nanotubes by CH ₄ glow plasma at low pressure, and their resulting wettability. Journal of Materials Chemistry, 2007, 17, 232-237.	6.7	40
9288	Polypyrrole hydro-sponges built up from mesoscopic scales. Journal of Materials Chemistry, 2007, 17, 4797.	6.7	37
9289	Recent progress in chemical detection with single-walled carbon nanotube networks. Analyst, The, 2007, 132, 719.	3.5	44
9290	Field emission properties of ZnO nanowire array directly grown from zinc substrate. , 2007, , .		0
9291	Mechanical Characteristics of FIB Deposited Carbon Nanowires Using an Electrostatic Actuated Nano Tensile Testing Device. Journal of Microelectromechanical Systems, 2007, 16, 191-201.	2.5	57
9292	Three dimensional dielectrophoretic assembly of singlewalled carbon nanotubes for integrated circuit interconnects. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
9293	Water self-diffusion through narrow oxygenated carbon nanotubes. Nanotechnology, 2007, 18, 475704.	2.6	69
9295	Advances in the controlled growth of nanoclusters using a dendritic architecture. New Journal of Chemistry, 2007, 31, 1041.	2.8	36
9296	Supramolecular nanotubes with high thermal stability: a rigidity enhanced structure transformation induced by electron-beam irradiation and heat. Journal of Materials Chemistry, 2007, 17, 2307.	6.7	10
9297	Coordination polymer nanocombs self-assembled at the water-chloroform interface. New Journal of Chemistry, 2007, 31, 1007-1012.	2.8	17
9298	Facile synthesis of silver nano/micro-ribbons or saws assisted by polyoxomolybdate as mediator agent and vanadium(iv) as reducing agent. Chemical Communications, 2007, , 3750.	4.1	16
9299	Effect of Environmental Temperatures on Elastic Properties of Single-Walled Carbon Nanotube. Journal of Thermal Stresses, 2007, 30, 1195-1210.	2.0	35
9300	Concepts for Carbon Nanotube Sensors. , 2007, , .		4
9301	A 3D chiral nanoporous coordination framework consisting of homochiral nanotubes assembled from octuple helices. Chemical Communications, 2007, , 4620.	4.1	59
9302	CNT based X-ray source for inspection system. , 2007, , .		0
9303	Thermal Buckling of Multi-Walled Carbon Nanotubes Based on a Rigorous van der Waals Interaction. Journal of Thermal Stresses, 2007, 30, 343-355.	2.0	7
9304	New approach to preparing one-dimensional Au nanowires utilizing a helical structure constructed by schizophyllan. New Journal of Chemistry, 2007, 31, 618.	2.8	19
9305	Synthesis of oriented arrays of TiO2 nanorods via a high temperature conversion of carbon nanotubes. Chemical Communications, 2007, , 4378.	4.1	5
9306	Controlling the orientation of carbon nanotubes in nano assembly. , 2007, , .		1
9307	Electrochemically-assisted deposition of oxidases on platinum nanoparticle/multi-walled carbon nanotube-modified electrodes. Analyst, The, 2007, 132, 1254.	3.5	62
9308	Controllable preparation of triple-walled carbon nanotubes and their growth mechanism. Chemical Communications, 2007, , 1092.	4.1	19
9309	Coaxial Nanocables of AlN Nanowire Core and Carbon/BN Nanotube Shell. Journal of Physical Chemistry C, 2007, 111, 18533-18537.	3.1	15
9310	Single-Walled Carbon Nanotube Binding Peptides: Probing Tryptophan's Importance by Unnatural Amino Acid Substitution. Journal of Physical Chemistry B, 2007, 111, 14411-14417.	2.6	50
9311	Carbon Nanotubes Incorporated within Lyotropic Hexagonal Liquid Crystal Formed in Room-Temperature Ionic Liquids. Langmuir, 2007, 23, 8549-8553.	3.5	49

#	ARTICLE	IF	CITATIONS
9312	Aligned Heterostructures of Single-Crystalline Tin Nanowires Encapsulated in Amorphous Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9130-9135.	3.1	55
9313	A facile solution-chemistry method for Cu(OH) ₂ nanoribbon arrays with noticeable electrochemical hydrogen storage ability at room temperature. <i>Chemical Communications</i> , 2007, , 5197.	4.1	39
9314	Solubility and Size Separation of Large Fullerenes in Concentrated Sulfuric Acids. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17966-17969.	3.1	7
9315	Nanodusting of RENi ₅ Intermetallic Grains through Nucleation and Growth of Carbon Nanotubes (RE = Gd, Tb, Dy, Ho, Er, Y). <i>Journal of Physical Chemistry C</i> , 2007, 111, 17970-17975.	3.1	12
9316	Root-Growth Mechanism for Single-Walled Boron Nitride Nanotubes in Laser Vaporization Technique. <i>Journal of the American Chemical Society</i> , 2007, 129, 16183-16189.	13.7	156
9317	Synthesis of Antimony Sulfide Nanotubes with Ultrathin Walls via Gradual Aspect Ratio Control of Nanoribbons. <i>Chemistry of Materials</i> , 2007, 19, 3861-3863.	6.7	51
9318	Direct Evidence on C-C Single Bonding in Single-Wall Carbon Nanohorn Aggregates. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5572-5575.	3.1	104
9319	The Electrochemical Behavior of Acetaminophen on Multi-Walled Carbon Nanotubes Modified Electrode and Its Analytical Application. <i>Analytical Letters</i> , 2007, 40, 2653-2663.	1.8	18
9320	Carbon Encapsulation of Magnetic Nanoparticles. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2007, 15, 167-180.	2.1	15
9321	Fabrication of nanorods by metal evaporation inside the pores of ultra-thin porous alumina templates. <i>Nanotechnology</i> , 2007, 18, 495604.	2.6	10
9322	A Polyoxometalate-Assisted Electrochemical Method for Silicon Nanostructures Preparation: From Quantum Dots to Nanowires. <i>Journal of the American Chemical Society</i> , 2007, 129, 5326-5327.	13.7	163
9323	Synthesis of Uniform Goethite Nanotubes with Parallelogram Cross Section. <i>Journal of the American Chemical Society</i> , 2007, 129, 14558-14559.	13.7	29
9324	Infrared and Computational Studies of the Adsorption of Methanol and Ethanol on Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18127-18134.	3.1	26
9325	Formation of Fractal-Like Structures Driven by Carbon Nanotubes-Based Collapsed Hollow Capsules. <i>Journal of Physical Chemistry B</i> , 2007, 111, 331-334.	2.6	17
9326	Effect of Tungsten on the Purification of Few-Walled Carbon Nanotubes Synthesized by Thermal Chemical Vapor Deposition Methods. <i>Journal of Physical Chemistry C</i> , 2007, 111, 131-133.	3.1	29
9327	Fabrication of high-resolution multiwall carbon nanotube field-emission cathodes at room temperature. <i>Journal of Vacuum Science & Technology B</i> , 2007, 25, 106.	1.3	2
9328	Integration and Distribution of Carbon Nanotubes in Solution-Processed Polyaniline/Carbon Nanotube Composites. <i>Journal of the Electrochemical Society</i> , 2007, 154, H495.	2.9	15
9329	Adsorption of Pyridine from Aqueous Solution by Surface Treated Carbon Nanotubes. <i>Separation Science and Technology</i> , 2007, 42, 3419-3427.	2.5	16

#	ARTICLE	IF	CITATIONS
9330	Tunable Polyacrylonitrile-Based Micellar Aggregates as a Potential Tool for the Fabrication of Carbon Nanofibers. <i>Chemistry of Materials</i> , 2007, 19, 5818-5820.	6.7	62
9331	Functionalization of Single-Walled Carbon Nanotubes and Fullerenes via a Dimethyl Acetylenedicarboxylate ⁴ -Dimethylaminopyridine Zwitterion Approach. <i>Journal of the American Chemical Society</i> , 2007, 129, 7714-7715.	13.7	58
9332	Evidence of Thermal Closing of Atomic-Vacancy Holes in Single-Wall Carbon Nanohorns. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1553-1555.	3.1	30
9333	Bicrystal AlN Zigzag Nanowires. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17169-17172.	3.1	31
9334	Synthesis and Cathodoluminescence of Morphology-Tunable SiO ₂ Nanotubes and ZnS/SiO ₂ Core-Shell Structures Using CdSe Nanocrystals as the Seeds. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11604-11611.	3.1	38
9335	Light-Assisted Oxidation of Single-Wall Carbon Nanohorns for Abundant Creation of Oxygenated Groups That Enable Chemical Modifications with Proteins To Enhance Biocompatibility. <i>ACS Nano</i> , 2007, 1, 265-272.	14.6	107
9336	A Shape-Controlled Method to Functionalize Multiwalled Carbon Nanotubes with Ni ₃ S ₂ . <i>Inorganic Chemistry</i> , 2007, 46, 10307-10311.	4.0	14
9337	One-Dimensional Array of Au Nanoparticles Fixed on Nanofibers of Organogelators by the Langmuir-Blodgett Method. <i>Journal of Physical Chemistry C</i> , 2007, 111, 901-907.	3.1	12
9338	Variation of Radial Elasticity in Multiwalled Carbon Nanotubes. <i>Nano Letters</i> , 2007, 7, 3891-3894.	9.1	28
9339	Microtubule Formation Using Two-Component Gel System. <i>Journal of the American Chemical Society</i> , 2007, 129, 1040-1041.	13.7	64
9340	Nanopattern of the Inner Surface of Carbon Nanotubes for Self-Assembly of Nanoparticles: A Multistep Monte Carlo Method. <i>Journal of Physical Chemistry C</i> , 2007, 111, 11802-11805.	3.1	3
9341	Static and Optical Transverse and Longitudinal Screened Polarizabilities of Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3285-3289.	3.1	17
9342	Structures of Silica-Supported Co Catalysts Prepared Using Microemulsion and Their Catalytic Performance for the Formation of Carbon Nanotubes through the Decomposition of Methane and Ethylene. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7748-7756.	3.1	30
9343	Explosive field emission and plasma expansion of carbon nanotube cathodes. <i>Applied Physics Letters</i> , 2007, 90, 151504.	3.3	25
9344	Nanoscale Curvature Effect on Ordering of N ₂ Molecules Adsorbed on Single Wall Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15660-15663.	3.1	26
9345	Vertically Aligned Single-Crystal ZnO Nanotubes Grown on β -LiAlO ₂ (100) Substrate by Metalorganic Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L730-L732.	1.5	18
9346	Fabrication of Indium Oxide on Indium Foil through a Solvothermal Process. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2007, 37, 413-416.	0.6	0
9347	Study of field emission of multiwalled C nanotubes synthesized by arc discharge. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 395014.	1.8	9

#	ARTICLE	IF	CITATIONS
9348	Carbon Nanotubes Grown by Catalytic CVD on Silicon Based Substrates for Electronics Applications. Materials Science Forum, 0, 539-543, 669-674.	0.3	0
9349	Characterizing Covalently Sidewall-Functionalized SWNTs. Journal of Physical Chemistry C, 2007, 111, 17872-17878.	3.1	25
9350	Ultralong Cadmium Hydroxide Nanowires: Synthesis, Characterization, and Transformation into CdO Nanostrands. Langmuir, 2007, 23, 9064-9068.	3.5	58
9351	Short, Highly Ordered, Single-Walled Mixed-Oxide Nanotubes Assemble from Amorphous Nanoparticles. Journal of the American Chemical Society, 2007, 129, 6820-6826.	13.7	82
9352	Discrete Chiral Single-Crystal Microtubes Assembled with Honeycomb Coordination Networks Showing Structural Diversity and Borromean Topology in One Single Crystal. Chemistry of Materials, 2007, 19, 4630-4632.	6.7	49
9353	Copolymer of Single-Walled Carbon Nanotubes and Poly(p-phenylene benzobisoxazole). Chemistry of Materials, 2007, 19, 291-300.	6.7	32
9354	Application of nonlocal elastic shell theory in wave propagation analysis of carbon nanotubes. Smart Materials and Structures, 2007, 16, 178-190.	3.5	176
9355	Temperature-Driven Pumping of Fluid through Single-Walled Carbon Nanotubes. Nano Letters, 2007, 7, 3324-3328.	9.1	107
9356	Theoretical Study on the Structural, Energetic, and Optical Properties of ZnS Nanotube. Journal of Physical Chemistry C, 2007, 111, 1556-1559.	3.1	26
9357	Persistence Length of Multiwalled Carbon Nanotubes with Static Bending. Journal of Physical Chemistry C, 2007, 111, 18882-18887.	3.1	66
9358	Interactions between carbon nanotubes and DNA polymerase and restriction endonucleases. Nanotechnology, 2007, 18, 025102.	2.6	38
9359	Enhanced field emission from a nest array of multi-walled carbon nanotubes grown on a silicon nanoporous pillar array. Nanotechnology, 2007, 18, 065203.	2.6	50
9360	Stability and Electronic Properties of Atomistically-Engineered 2D Boron Sheets. Journal of Physical Chemistry C, 2007, 111, 2906-2912.	3.1	166
9361	Tribological Properties of Densely Packed Vertically Aligned Carbon Nanotube Film on SiC Formed by Surface Decomposition. Nano Letters, 2007, 7, 3285-3289.	9.1	31
9362	Field emission properties of N-doped capped single-walled carbon nanotubes: A first-principles density-functional study. Journal of Chemical Physics, 2007, 126, 164702.	3.0	74
9363	Aromaticity of Carbon Nanotubes. Journal of Chemical Information and Modeling, 2007, 47, 887-890.	5.4	19
9364	Nanocrystals to Nanorods: A Precursor Approach for the Synthesis of Magnesium Hydroxide Nanorods from Magnesium Oxide. Chemistry of Materials, 2007, 19, 5395-5403.	6.7	36
9365	Hollow Polyelectrolyte Multilayer Tubes: Mechanical Properties and Shape Changes. Journal of Physical Chemistry B, 2007, 111, 8547-8553.	2.6	22

#	ARTICLE	IF	CITATIONS
9366	Ultra-Resolution Imaging of a Self-Assembling Biomolecular System Using Robust Carbon Nanotube AFM Probes. <i>Langmuir</i> , 2007, 23, 3906-3911.	3.5	16
9367	InP-GaP Bi-Coaxial Nanowires and Amorphous GaP Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3665-3668.	3.1	12
9368	Direct Fabrication of Well-Aligned Free-Standing Mesoporous Carbon Nanofiber Arrays on Silicon Substrates. <i>Journal of the American Chemical Society</i> , 2007, 129, 13388-13389.	13.7	75
9369	Plugging and Unplugging Holes of Single-Wall Carbon Nanohorns. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7348-7351.	3.1	16
9370	Synthesis and Characterization of Single-Phase TiC Nanotubes, TiC Nanowires, and Carbon Nanotubes Equipped with TiC Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18888-18891.	3.1	53
9371	Vacuum-Breakdown-Induced Needle-Shaped Ends of Multiwalled Carbon Nanotube Yarns and Their Field Emission Applications. <i>Nano Letters</i> , 2007, 7, 3792-3797.	9.1	60
9372	Reversible Defect Engineering of Single-Walled Carbon Nanotubes Using Scanning Tunneling Microscopy. <i>Nano Letters</i> , 2007, 7, 3623-3627.	9.1	46
9373	An Ab Initio Study of Lithium Diffusion in Titanium Disulfide Nanotubes. <i>Chemistry of Materials</i> , 2007, 19, 5302-5308.	6.7	46
9374	Catalytically Assisted Tip Growth Mechanism for Single-Wall Carbon Nanotubes. <i>ACS Nano</i> , 2007, 1, 202-207.	14.6	44
9375	Developing Carbon Nanocomposite Smart Materials. <i>Solid State Phenomena</i> , 0, 119, 207-210.	0.3	3
9376	Facile Decoring Route to Carbon Nano Test Tubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5830-5834.	3.1	14
9377	Mechanical Instabilities of Individual Multiwalled Carbon Nanotubes under Cyclic Axial Compression. <i>Nano Letters</i> , 2007, 7, 1149-1154.	9.1	76
9378	Bifunctional Anchors Connecting Carbon Nanotubes to Metal Electrodes for Improved Nanoelectronics. <i>Journal of the American Chemical Society</i> , 2007, 129, 9834-9835.	13.7	26
9379	Supercritical Fluid Growth of Porous Carbon Nanocages. <i>Chemistry of Materials</i> , 2007, 19, 3349-3354.	6.7	41
9380	Optical Absorption Spectra and Polarizabilities of Silicon Carbide Nanotubes: A First Principles Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 18864-18870.	3.1	11
9381	Carbon Hollow Nanospheres from Chlorination of Ferrocene. <i>Chemistry of Materials</i> , 2007, 19, 2304-2309.	6.7	64
9382	Catalytic Production of Carbon Nanotubes in a Swirled Fluid Chemical Vapour Deposition Reactor. <i>International Journal of Chemical Reactor Engineering</i> , 2007, 5, .	1.1	9
9383	Molecular Views of Physical Adsorption Inside and Outside of Single-Wall Carbon Nanotubes. <i>Accounts of Chemical Research</i> , 2007, 40, 995-1004.	15.6	106

#	ARTICLE	IF	CITATIONS
9384	Carbon Nanotubes by Electrospinning with a Polyelectrolyte and Vapor Deposition Polymerization. Nano Letters, 2007, 7, 2470-2474.	9.1	67
9385	Bio-nanowebs Based on Poly(styrene- I^2 -isobutylene- I^2 -styrene) (SIBS) Containing Single-Wall Carbon Nanotubes. Chemistry of Materials, 2007, 19, 2721-2723.	6.7	29
9386	Functional Oneâ€Dimensional Nanomaterials: Applications in Nanoscale Biosensors. Analytical Letters, 2007, 40, 2067-2096.	1.8	90
9387	Synthesis and Chiroptical Study of d,l-Penicillamine-Capped Silver Nanoclusters. Chemistry of Materials, 2007, 19, 2831-2841.	6.7	118
9388	Food Analysis on Microfluidic Devices Using Ultrasensitive Carbon Nanotubes Detectors. Analytical Chemistry, 2007, 79, 7408-7415.	6.5	120
9389	Synthesis of Aligned Carbon Nanotubes on Double-Sided Metallic Substrate by Chemical Vapor Deposition. Journal of Physical Chemistry C, 2007, 111, 12617-12624.	3.1	60
9390	Geometry and Stability of Be $\langle i \rangle \langle sub \rangle n \langle /sub \rangle \langle /i \rangle$ C $\langle i \rangle \langle sub \rangle m \langle /sub \rangle \langle /i \rangle$ ($\langle i \rangle n \langle /i \rangle = 1 \sim 10$; $\langle i \rangle m \langle /i \rangle = 1, 2, \dots$) Tj EJTQq0 0 0 0 gBT /Overl	2.5	18
9391	Collective excitations in single-walled carbon nanotubes. Physical Review B, 2007, 76, .	3.2	29
9392	An aqueous suspension of carbon nanopowder enhances the efficiency of a polymerase chain reaction. Nanotechnology, 2007, 18, 355706.	2.6	48
9393	Instantaneous Inclusion of a Polynucleotide and Hydrophobic Guest Molecules into a Helical Core of Cationic I^2 -1,3-Glucan Polysaccharide. Journal of the American Chemical Society, 2007, 129, 3979-3988.	13.7	73
9394	Raman spectra of unfilled and filled carbon nanotubes: Theory. Physical Review B, 2007, 76, .	3.2	8
9395	Fabrication and characterization of TiO ₂ nanotube arrays having nanopores in their walls by double-template-assisted solâ€gel. Nanotechnology, 2007, 18, 295604.	2.6	29
9396	Fatigue and Electrical Properties of CNT/Phenolic Composites under Moisture-Temperature Effects. Key Engineering Materials, 2007, 334-335, 769-772.	0.4	4
9397	One-Step Synthesis of Polycrystalline Carbon Nanofibers with Periodic Dome-Shaped Interiors and Their Reversible Lithium-Ion Storage Properties. Chemistry of Materials, 2007, 19, 4198-4204.	6.7	53
9398	Synthesis and Structures of High-Quality Single-Crystalline $\text{I}3\hat{\sim}\text{V}2$ Semiconductors Nanobelts. Journal of Physical Chemistry C, 2007, 111, 5044-5049.	3.1	29
9399	The Thermodynamics of the Transformation of Graphite to Multiwalled Carbon Nanotubes. Journal of the American Chemical Society, 2007, 129, 10269-10275.	13.7	26
9400	Structural and Electronic Study of Nanoscrolls Rolled up by a Single Graphene Sheet. Journal of Physical Chemistry C, 2007, 111, 1625-1630.	3.1	115
9401	Control of the Innermost Tube Diameters in Multiwalled Carbon Nanotubes by the Vaporization of Boron-Containing Carbon Rod in RF Plasma. Journal of Physical Chemistry C, 2007, 111, 4543-4548.	3.1	9

#	ARTICLE	IF	CITATIONS
9402	Influence of the RF Excitation of the Catalyst System on the Morphology of Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17970-17975.	3.1	16
9403	Solution ^â Chemical Synthesis of Carbon Nanotube/ZnS Nanoparticle Core/Shell Heterostructures. <i>Inorganic Chemistry</i> , 2007, 46, 5343-5348.	4.0	43
9404	Biocatalytic Generation of Ppy-Enzyme-CNT Nanocomposite:â€‰ From Network Assembly to Film Growth. <i>Journal of Physical Chemistry C</i> , 2007, 111, 2025-2031.	3.1	59
9405	Growth of Vertically Aligned Carbon Nanotubes from Highly Active Feâ€“Tiâ€“O Nanoparticles Prepared by Liquid-Phase Synthesis. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 3700-3703.	1.5	10
9406	Interaction between Fe and single-walled carbon nanotube near the entrance. <i>Journal of Physics: Conference Series</i> , 2007, 61, 633-637.	0.4	3
9407	Supercritical Hydrogen Adsorption of Ultramicropore-Enriched Single-Wall Carbon Nanotube Sheet. <i>Journal of Physical Chemistry C</i> , 2007, 111, 17448-17450.	3.1	22
9408	Preparation and Characterization of AlN-Based Hierarchical Nanostructures with Improved Chemical Stability. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12639-12642.	3.1	23
9409	Comparison of electronic and geometric structures of nanotubes with subnanometer diameters: A density functional theory study. <i>Physical Review B</i> , 2007, 76, .	3.2	21
9410	A Novel Route for Synthesizing Silica Nanotubes with Chiral Mesoporous Wall Structures. <i>Chemistry of Materials</i> , 2007, 19, 1577-1583.	6.7	79
9411	SYNTHESIS AND PROPERTIES OF ONE-DIMENSIONAL ALUMINUM NITRIDE NANOSTRUCTURES. <i>Nano</i> , 2007, 02, 307-331.	1.0	11
9412	Nanorobotic Spot Welding:â€‰ Controlled Metal Deposition with Attogram Precision from Copper-Filled Carbon Nanotubes. <i>Nano Letters</i> , 2007, 7, 58-63.	9.1	194
9413	Quantum-Chemical Interpretation of Current-Induced Forces on Adatoms on Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 12478-12482.	3.1	6
9414	Effects of band structure and quantum interference on the differential conductance of infinite metallic single-wall carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 096207.	1.8	4
9415	Mechanical strength of carbon nanotubeâ€“nickel nanocomposites. <i>Nanotechnology</i> , 2007, 18, 505704.	2.6	69
9416	Three-Dimensional Imaging of Carbon Nanotubes Deformed by Metal Islands. <i>Nano Letters</i> , 2007, 7, 3770-3773.	9.1	31
9417	Adsorption Dynamics of Alkanes on Single-Wall Carbon Nanotubes:â€‰ A Molecular Beam Scattering Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8043-8049.	3.1	33
9418	Low-temperature CVD growth of carbon nanotubes for field emission application. <i>Diamond and Related Materials</i> , 2007, 16, 566-569.	3.9	18
9419	Fabrication of aluminum matrix composite reinforced with carbon nanotubes. <i>Rare Metals</i> , 2007, 26, 450-455.	7.1	55

#	ARTICLE	IF	CITATIONS
9420	Synthesis and mechanical properties of carbon nanotube/diamond-like carbon composite films. Diamond and Related Materials, 2007, 16, 1940-1944.	3.9	34
9421	Spontaneously Formed Closed Rings of Single-Wall Carbon Nanotube Bundles and Their Physical Mechanism. Journal of Physical Chemistry C, 2007, 111, 3555-3559.	3.1	8
9422	Combustion synthesis route to carbon-encapsulated iron nanoparticles. Diamond and Related Materials, 2007, 16, 225-228.	3.9	34
9423	Dynamical behaviour of carbon nanotubes. Diamond and Related Materials, 2007, 16, 288-291.	3.9	2
9424	Formation of buried-layer CNTs in porous SiO ₂ templates. Diamond and Related Materials, 2007, 16, 326-333.	3.9	6
9425	Purification of single-wall carbon nanotubes produced by arc plasma jet method. Diamond and Related Materials, 2007, 16, 1116-1120.	3.9	24
9426	Nanotechnology for Sensing, Imaging, and Treating Cancer. Surgical Oncology Clinics of North America, 2007, 16, 293-305.	1.5	18
9427	Carbon nanotube formation over plasma reduced Pd/HZSM-5. Diamond and Related Materials, 2007, 16, 229-235.	3.9	21
9428	Electrochemical detection of catechol at integrated carbon nanotubes electrodes. Diamond and Related Materials, 2007, 16, 248-252.	3.9	13
9429	Simulations on the elastic response of amorphous and nanocomposite carbon. Diamond and Related Materials, 2007, 16, 1676-1681.	3.9	2
9430	Optimisation of gas mixture composition for the preparation of high quality MWCNT by catalytically assisted CVD. Diamond and Related Materials, 2007, 16, 1095-1100.	3.9	34
9431	Consolidationâ€“microstructureâ€“property relationships in bulk nanoceramics and ceramic nanocomposites: a review. International Materials Reviews, 2007, 52, 257-288.	19.3	149
9432	Theoretical studies of pentagon-heptagon pair defects in carbon nanotube junctions. , 2007, , .		1
9433	New formations of carbon nanotube junctions. Modelling and Simulation in Materials Science and Engineering, 2007, 15, 739-745.	2.0	9
9434	Oscillating carbon nanotube along carbon nanotubes. Physical Review B, 2007, 75, .	3.2	44
9435	Mechanistic Aspects of the Self-Organization Process for Oxide Nanotube Formation on Valve Metals. Journal of the Electrochemical Society, 2007, 154, C472.	2.9	231
9436	Carbon nanotube deposits and CNT/SiO ₂ composite coatings by electrophoretic deposition. Advances in Applied Ceramics, 2007, 106, 186-195.	1.1	43
9437	Structural, elastic, and electronic properties of SiC, BN, and BeO nanotubes. Physical Review B, 2007, 76, .	3.2	211

#	ARTICLE	IF	CITATIONS
9438	Covalent modification of multiwalled carbon nanotubes with neutral red for the fabrication of an amperometric hydrogen peroxide sensor. <i>Nanotechnology</i> , 2007, 18, 125501.	2.6	31
9439	Thermal effect on transverse vibrations of double-walled carbon nanotubes. <i>Nanotechnology</i> , 2007, 18, 445701.	2.6	74
9440	Synthesis of Graphitic Carbon Nanostructures from Sawdust and Their Application as Electrocatalyst Supports. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9749-9756.	3.1	147
9441	Localized fabrication of carbon nanotubes forest at a needle electrode by atmospheric pressure corona discharge. <i>Diamond and Related Materials</i> , 2007, 16, 144-148.	3.9	6
9442	Single-wall carbon nanotubes synthesized using organic additives to Co-Mo catalysts supported on nanoporous MgO. <i>Nanotechnology</i> , 2007, 18, 315605.	2.6	80
9443	Carbon nanostructures production by gas-phase plasma processes at atmospheric pressure. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 2361-2374.	2.8	76
9444	Carbon nanotube catalytic deposition synthesis. , 2007, , .		0
9445	Preparation and Characterization of Dichlorocarbene Modified Multiple-walled Carbon Nanotubes. <i>Chemical Research in Chinese Universities</i> , 2007, 23, 505-507.	2.6	5
9446	Transmission electron microscopy study of carbon nanostructures grown by MPACVD in CH ₄ /CO ₂ gas mixture. <i>Diamond and Related Materials</i> , 2007, 16, 1244-1249.	3.9	3
9447	Anodic titanium oxide: A new template for the synthesis of larger diameter multi-walled carbon nanotubes. <i>Diamond and Related Materials</i> , 2007, 16, 1571-1578.	3.9	16
9448	Growth model for plasma-CVD growth of carbon nano-tubes on Ni-sheets. <i>Diamond and Related Materials</i> , 2007, 16, 369-378.	3.9	29
9449	The degree and kind of agglomeration affect carbon nanotube cytotoxicity. <i>Toxicology Letters</i> , 2007, 168, 121-131.	0.8	732
9450	A new approach to the toxicity testing of carbon-based nanomaterials—The clonogenic assay. <i>Toxicology Letters</i> , 2007, 174, 49-60.	0.8	233
9451	Polyimide-Surface-Modified Silica Tubes: Preparation and Cryogenic Properties. <i>Chemistry of Materials</i> , 2007, 19, 1939-1945.	6.7	25
9452	Plume diagnostics and room-temperature deposition of carbon nanotubes and nano-onions at 248 nm. <i>Journal of Physics: Conference Series</i> , 2007, 59, 424-427.	0.4	2
9453	Morphology Control of Layer-Structured Gallium Selenide Nanowires. <i>Nano Letters</i> , 2007, 7, 199-203.	9.1	79
9454	Adsorption of simple benzene derivatives on carbon nanotubes. <i>Physical Review B</i> , 2007, 75, .	3.2	195
9455	The effect of growth temperature and iron precursor on the synthesis of high purity carbon nanotubes. <i>Diamond and Related Materials</i> , 2007, 16, 542-549.	3.9	20

#	ARTICLE	IF	CITATIONS
9456	Mechanical behaviour of BC ₃ compound and pure carbon nanotubes with topological defects. Nanotechnology, 2007, 18, 105705.	2.6	14
9457	Electronic structure of silicon-based nanostructures. Physical Review B, 2007, 76, .	3.2	901
9458	Terahertz optical and electrical properties of hydrogen-functionalized carbon nanotubes. Physical Review B, 2007, 75, .	3.2	52
9459	A Review of Carbon Nanotube Synthesis via Fluidized-Bed Chemical Vapor Deposition. Industrial & Engineering Chemistry Research, 2007, 46, 997-1012.	3.7	271
9460	Synthesis and Characterization of Gallium Oxide Nanostructures via a Soft-Chemistry Route. Journal of Physical Chemistry C, 2007, 111, 16290-16299.	3.1	51
9461	Membranes for Hydrogen Separation. Chemical Reviews, 2007, 107, 4078-4110.	47.7	947
9462	Factors determining properties of multi-walled carbon nanotubes/fibres deposited by PECVD. Journal Physics D: Applied Physics, 2007, 40, 2285-2292.	2.8	40
9463	Preparation and Characterization of Carbon Nanotubes~Polymer/Ag Hybrid Nanocomposites via Surface RAFT Polymerization. Journal of Physical Chemistry C, 2007, 111, 2947-2952.	3.1	68
9464	Optical characterization of hierarchical ZnO structures grown with a simplified vapour transport method. Nanotechnology, 2007, 18, 215705.	2.6	19
9465	Structural and electronic properties of ZnO nanotubes from density functional calculations. Nanotechnology, 2007, 18, 485713.	2.6	72
9466	The stability and electronic structure of single-walled ZnO nanotubes by density functional theory. Nanotechnology, 2007, 18, 345706.	2.6	64
9467	Porous Host-Guest Advanced Materials. , 0, , 603-666.		0
9468	Intense electron beam emission from carbon nanotubes and mechanism. Journal Physics D: Applied Physics, 2007, 40, 6626-6630.	2.8	10
9469	Elasticity of single-crystalline graphite: Inelastic x-ray scattering study. Physical Review B, 2007, 75, .	3.2	264
9470	Future Approaches of Nanomedicine in Clinical Science. Medical Clinics of North America, 2007, 91, 963-1016.	2.5	19
9471	Synthesis and activity of the Pt catalyst supported on CNT. Catalysis Communications, 2007, 8, 701-706.	3.3	107
9472	Synthesis of mesoporous molecular sieves as catalytic template for the growth of single walled carbon nanotubes. Catalysis Communications, 2007, 8, 1665-1670.	3.3	12
9473	Carbon nanotubes-templated assembly of LaCoO ₃ nanowires at low temperatures and its excellent catalytic properties for CO oxidation. Catalysis Communications, 2007, 8, 1748-1754.	3.3	17

#	ARTICLE	IF	CITATIONS
9474	Multi-walled carbon nanotubes (MWNTs) as an efficient catalyst for catalytic wet air oxidation of phenol. Catalysis Communications, 2007, 8, 2059-2063.	3.3	62
9475	Collapse and stability of single- and multi-wall carbon nanotubes. Nanotechnology, 2007, 18, 395703.	2.6	87
9476	Single carbon nanotube based photodiodes for infrared detection. , 2007, , .		18
9477	Synthesis of Bi ₂ WO ₆ Nanoplate-Built Hierarchical Nest-like Structures with Visible-Light-Induced Photocatalytic Activity. Journal of Physical Chemistry C, 2007, 111, 12866-12871.	3.1	365
9478	Fabrication of screen-printed field electron emitter using length-controlled and purification-free carbon nanotubes. Applied Physics Letters, 2007, 91, .	3.3	11
9479	Large current carbon nanotube emitter growth using nickel as a buffer layer. Nanotechnology, 2007, 18, 095604.	2.6	17
9480	Highly Reducible CeO ₂ Nanotubes. Chemistry of Materials, 2007, 19, 1215-1217.	6.7	211
9481	Effect of curvature and chirality for hydrogen storage in single-walled carbon nanotubes: A Combined ab initio and Monte Carlo investigation. Journal of Chemical Physics, 2007, 126, 144704.	3.0	45
9482	Radius dependence of the melting temperature of single-walled carbon nanotubes: molecular-dynamics simulations. Journal of Physics Condensed Matter, 2007, 19, 436224.	1.8	16
9483	Melting and premelting of carbon nanotubes. Nanotechnology, 2007, 18, 285703.	2.6	96
9484	Carbon nanotubes and their toxicity. Nanotoxicology, 2007, 1, 167-197.	3.0	59
9485	Supported metallocene catalysis as an efficient tool for the preparation of polyethylene/carbon nanotube nanocomposites: effect of the catalytic system on the coating morphology. Journal of Materials Chemistry, 2007, 17, 2359.	6.7	45
9486	Role of Carbon Nanotubes in Analytical Science. Analytical Chemistry, 2007, 79, 4788-4797.	6.5	268
9487	Organic spintronics. Journal Physics D: Applied Physics, 2007, 40, R205-R228.	2.8	425
9488	Small-angle neutron scattering in materials science: Recent practical applications. Journal of Applied Physics, 2007, 102, .	2.5	76
9489	Platinum decorated carbon nanotubes for highly sensitive amperometric glucose sensing. Nanotechnology, 2007, 18, 065503.	2.6	75
9490	Potential Applications of Carbon Nanotubes. Topics in Applied Physics, 2007, , 13-62.	0.8	307
9491	DNA Nucleoside Interaction and Identification with Carbon Nanotubes. Nano Letters, 2007, 7, 45-50.	9.1	156

#	ARTICLE	IF	CITATIONS
9492	Electrostatic-Force-Directed Assembly of Ag Nanocrystals onto Vertically Aligned Carbon Nanotubes. Journal of Physical Chemistry C, 2007, 111, 17919-17922.	3.1	33
9493	Carbon nanotubes for gas detection: materials preparation and device assembly. Journal of Physics Condensed Matter, 2007, 19, 225004.	1.8	20
9494	A single-walled carbon nanotube reinforced 1â€³ piezoelectric composite for active control of smart structures. Smart Materials and Structures, 2007, 16, 1936-1947.	3.5	45
9495	Single-Crystalline ZnO Nanotube Arrays on Conductive Glass Substrates by Selective Dissolution of Electrodeposited ZnO Nanorods. Journal of Physical Chemistry C, 2007, 111, 4549-4552.	3.1	109
9496	Electrostatically telescoping nanotube nonvolatile memory device. Nanotechnology, 2007, 18, 095705.	2.6	46
9497	Mechanics of atoms and fullerenes in single-walled carbon nanotubes. I. Acceptance and suction energies. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2007, 463, 461-477.	2.1	162
9498	An Electrothermal Carbon Nanotube Gas Sensor. Nano Letters, 2007, 7, 3686-3690.	9.1	142
9499	Improved electrical and optical properties of Poly(3,4-ethylenedioxythiophene) via ordered microstructure. Journal of Physics Condensed Matter, 2007, 19, 186220.	1.8	33
9500	Electrical Transport in Single-Wall Carbon Nanotubes. Topics in Applied Physics, 2007, , 455-493.	0.8	83
9501	A theoretical investigation of defects in a boron nitride monolayer. Nanotechnology, 2007, 18, 495707.	2.6	160
9502	Self-Organized, Free-Standing TiO ₂ Nanotube Membrane for Flow-through Photocatalytic Applications. Nano Letters, 2007, 7, 1286-1289.	9.1	689
9503	Low-frequency excitation spectra in double-walled armchair carbon nanotubes. Physical Review B, 2007, 76, .	3.2	12
9504	Efficient field emission from an individual aligned carbon nanotube bundle enhanced by edge effect. Applied Physics Letters, 2007, 90, 153108.	3.3	105
9505	Catalytic production of carbon nanotubes over Feâ€“Ni bimetallic catalysts supported on MgO. Diamond and Related Materials, 2007, 16, 155-160.	3.9	82
9506	Carbon nanotube catalysis by metal silicide: resolving inhibition versus growth. Nanotechnology, 2007, 18, 015602.	2.6	26
9507	One-step anodization fabrication and morphology characterization of porous AAO with ideal nanopore arrays. Journal of Experimental Nanoscience, 2007, 2, 207-214.	2.4	5
9508	Tailored Field-Emission Property of Patterned Carbon Nitride Nanotubes by a Selective Doping of Substitutional N(sN) and Pyridine-like N(pN) Atoms. Chemistry of Materials, 2007, 19, 2918-2920.	6.7	54
9509	Structure and Photoresponsive Behaviors of Multiwalled Carbon Nanotubes Grafted by Polyurethanes Containing Azobenzene Side Chains. Journal of Physical Chemistry C, 2007, 111, 11231-11239.	3.1	64

#	ARTICLE	IF	CITATIONS
9510	Electrospinning of Nanofibers from Polymer Solutions and Melts. <i>Advances in Applied Mechanics</i> , 2007, 41, 43-346.	2.3	498
9511	Preparation and Application of Carbon-Nanofiber Based Microstructured Materials as Catalyst Supports. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 3968-3978.	3.7	133
9512	Pressure Dependence of the Radial Breathing Mode of Carbon Nanotubes: The Effect of Fluid Adsorption. <i>Physical Review Letters</i> , 2007, 98, 145503.	7.8	48
9513	Nanotubes Fabricated from Sandwich-Type Mixed (Porphyrinato)(phthalocyaninato)europium Complex by Template Technique. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7298-7301.	3.1	37
9514	Parametric study of atmospheric-pressure single-walled carbon nanotubes growth by ferrocene-ethanol mist CVD. <i>Diamond and Related Materials</i> , 2007, 16, 1958-1966.	3.9	54
9515	CONTINUUM MODELING OF INTERFACES IN POLYMER MATRIX COMPOSITES REINFORCED BY CARBON NANOTUBES. <i>Nano</i> , 2007, 02, 139-148.	1.0	25
9516	Ab initiotheoretical study of hydrogen and its interaction with boron acceptors and nitrogen donors in single-wall silicon carbide nanotubes. <i>Physical Review B</i> , 2007, 75, .	3.2	42
9517	The Effect of Oxidation of Macroporous Silicon on Carbon Nanotubes Growth by TCVD Method. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2007, 37, 489-492.	0.6	4
9518	Multifunctional layer-by-layer carbon nanotube-polyelectrolyte thin films for strain and corrosion sensing. <i>Smart Materials and Structures</i> , 2007, 16, 429-438.	3.5	259
9519	A hybrid density functional study of zigzag SiC nanotubes. <i>Nanotechnology</i> , 2007, 18, 495706.	2.6	84
9520	Optical properties of SiC nanotubes: An ab initio study. <i>Physical Review B</i> , 2007, 76, .	3.2	133
9521	Iron Oxide Tube-in-Tube Nanostructures. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13022-13027.	3.1	98
9522	Nanomaterials. , 2007, , 275-356.		3
9523	The importance of oxygen-containing defects on carbon nanotubes for the detection of polar and non-polar vapours through hydrogen bond formation. <i>Nanotechnology</i> , 2007, 18, 175701.	2.6	79
9524	Noncovalent Functionalization of Carbon Nanotubes with Sodium Lignosulfonate and Subsequent Quantum Dot Decoration. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1223-1229.	3.1	83
9525	Self-Assembled Flowerlike Europium-Doped Lanthanide Molybdate Microarchitectures and Their Photoluminescence Properties. <i>Journal of Physical Chemistry C</i> , 2007, 111, 5014-5019.	3.1	78
9526	Production and Characterization of Coaxial Nanotube Junctions and Networks of CN_{x} /CNT. <i>Nano Letters</i> , 2007, 7, 2220-2226.	9.1	62
9528	Fabrication of Carbon Nanotube Reinforced Aluminum Composite by Powder Extrusion Process. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2007, 54, 627-634.	0.2	1

#	ARTICLE	IF	CITATIONS
9529	ã,«ãf¼ãfœãf³ãfŠãfŽãf¥ãf¼ãf—ãf©ã,°ãfžæ^é•ã•èj^éãž®é£¾. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2007, 10, 10-13.	0.5	0
9531	Biological Effects of Field Emission-Type X-Rays Generated by Nanotechnology. Journal of Radiation Research, 2007, 48, 153-161.	1.6	9
9533	Shortening multiwalled carbon nanotube on atomic force microscope tip: Experiments and two possible mechanisms. Journal of Applied Physics, 2007, 101, 064317.	2.5	4
9534	New approach to synthesis of carbon nanotubes. Physica Scripta, 2007, T129, 17-21.	2.5	1
9535	Nanoscale Vibrational Behavior of Single-Layered Graphene Sheets. , 2007, , .		0
9536	Preliminary Study on Solid-State Foaming of PMMA/CNT Nanocomposites. , 2007, , .		0
9538	Exfoliation of MoS ₂ nanowires in common solvents. EPJ Applied Physics, 2007, 37, 149-159.	0.7	16
9539	Two-dimensional carbon nanostructures and their electrical transport properties. , 2007, , .		0
9540	Oxidized Multi-Walled Carbon Nanotube Film Fabrication and Characterization. Advanced Composites Letters, 2007, 16, 096369350701600.	1.3	21
9542	Development of a laser-induced material transfer technique for patterning of CNT emitters. , 2007, , .		0
9543	Preparation of Chitosan/Carbon Nanotubes Composites. Advanced Composites Letters, 2007, 16, 096369350701600.	1.3	3
9545	Application of Raman spectroscopy to characterization of carbon-based materials. Tanso, 2007, 2007, 174-184.	0.1	20
9546	Preparation of Nanometre Carbon Fibres by Using a Blend Approach. Polymers and Polymer Composites, 2007, 15, 307-311.	1.9	1
9548	CVD Synthesis of single-walled carbon nanotubes from CH ₄ gas by using zeolite. Tanso, 2007, 2007, 310-315.	0.1	0
9551	Studies of the Effect of Carbon Nanotubes on the Dynamic Mechanical Properties of An Epoxy Polymer. International Polymer Science and Technology, 2007, 34, 7-10.	0.1	1
9552	Carbon Nanotube Reinforced Composites. Journal of the Society of Mechanical Engineers, 2007, 110, 192-193.	0.0	0
9556	Carbon Nanotube/Poly(methyl methacrylate) (CNT/PMMA) Composite Electrode Fabricated by In Situ Polymerization for Microchip Capillary Electrophoresis. Chemistry - A European Journal, 2007, 13, 846-853.	3.3	88
9557	Shape-Controlled Synthesis of 3D and 1D Structures of CdS in a Binary Solution with L-Cysteine's Assistance. Chemistry - A European Journal, 2007, 13, 3076-3081.	3.3	137

#	ARTICLE	IF	CITATIONS
9558	An Unexpected New Optimum in the Structure Space of DNA Solubilizing Single-Walled Carbon Nanotubes. Chemistry - A European Journal, 2007, 13, 1815-1820.	3.3	41
9559	The Combined Catalytic Action of Solid Acids with Nickel for the Transformation of Polypropylene into Carbon Nanotubes by Pyrolysis. Chemistry - A European Journal, 2007, 13, 3234-3240.	3.3	101
9560	Chemical Anisotropies of Carbon Nanotubes and Fullerenes Caused by the Curvature Directivity. Chemistry - A European Journal, 2007, 13, 6430-6436.	3.3	16
9561	Double Aromaticity in Monocyclic Carbon, Boron, and Borocarbon Rings Based on Magnetic Criteria. Chemistry - A European Journal, 2007, 13, 4582-4593.	3.3	60
9562	Ionic Liquids for Soft Functional Materials with Carbon Nanotubes. Chemistry - A European Journal, 2007, 13, 5048-5058.	3.3	504
9563	The Isolation of Basic Proteins by Solid-Phase Extraction with Multiwalled Carbon Nanotubes. Chemistry - A European Journal, 2007, 13, 9679-9685.	3.3	50
9564	Covalent immobilization of redox enzyme on electrospun nonwoven poly(acrylonitrile-co-acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5 Bioengineering, 2007, 97, 708-720.	3.3	75
9565	Synthesis of polyacrylamide-wrapped carbon nanotubes and their lubrication properties as water-based fluids. Journal of Applied Polymer Science, 2007, 106, 1-4.	2.6	8
9566	Properties of anionic polymerized É-caprolactam in the presence of carbon nanotubes. Journal of Applied Polymer Science, 2007, 104, 3010-3017.	2.6	19
9567	Effects of surface modification, carbon nanofiber concentration, and dispersion time on the mechanical properties of carbon-nanofiber/polycarbonate composites. Journal of Applied Polymer Science, 2007, 103, 3792-3797.	2.6	22
9568	Multiwall-carbon-nanotube-reinforced poly(ethylene terephthalate) nanocomposites by melt compounding. Journal of Applied Polymer Science, 2007, 103, 1450-1457.	2.6	112
9569	Morphology, crystallization, and mechanical properties of poly(ethylene terephthalate)/multiwall carbon nanotube nanocomposites via in situ polymerization with very low content of multiwall carbon nanotubes. Journal of Applied Polymer Science, 2007, 104, 3695-3701.	2.6	28
9570	Characterizing composite of multiwalled carbon nanotubes and POE-g-AA prepared via melting method. Journal of Applied Polymer Science, 2007, 104, 1328-1337.	2.6	15
9571	Preparation and properties of multiwalled carbon nanotube/polycaprolactone nanocomposites. Journal of Applied Polymer Science, 2007, 104, 1957-1963.	2.6	108
9572	Electrical and mechanical properties of carbon nanotube/ultrahigh-molecular-weight polyethylene composites prepared by a filler prelocalization method. Journal of Applied Polymer Science, 2007, 105, 158-168.	2.6	109
9573	Poly(É-caprolactone)-functionalized carbon nanofibers by surface-initiated ring-opening polymerization. Journal of Applied Polymer Science, 2007, 105, 629-640.	2.6	29
9574	Styrene maleic anhydride copolymer mediated dispersion of single wall carbon nanotubes in polyamide 12: Crystallization behavior and morphology. Journal of Applied Polymer Science, 2007, 106, 345-353.	2.6	34
9575	Preparation and properties of plasticized starch/multiwalled carbon nanotubes composites. Journal of Applied Polymer Science, 2007, 106, 1431-1437.	2.6	78

#	ARTICLE	IF	CITATIONS
9576	Morphological features and melting behavior of nanocomposites based on isotactic polypropylene and multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2007, 106, 2640-2647.	2.6	46
9577	Poly(1,3-Propylene glycol-hexanedioic acid) grafted hydroxyl multiwall carbon nanotubes. Journal of Applied Polymer Science, 2007, 106, 2018-2024.	2.6	4
9578	Preparation of multiwalled carbon nanotube/nylon-6 nanocomposites by <i>in situ</i> polymerization. Journal of Applied Polymer Science, 2007, 106, 3729-3735.	2.6	91
9579	Cyclic [5]Paraphenyleneacetylene: Synthesis, Properties, and Formation of a Ring-in-Ring Complex Showing a Considerably Large Association Constant and Entropy Effect. Angewandte Chemie - International Edition, 2007, 46, 1086-1088.	13.8	61
9580	Aligned Carbon Nanotubes in the Supramolecular Order of Discotic Liquid Crystals. Angewandte Chemie - International Edition, 2007, 46, 1501-1503.	13.8	110
9581	Single-Crystal Organic Microtubes with a Rectangular Cross Section. Angewandte Chemie - International Edition, 2007, 46, 1525-1528.	13.8	127
9582	Electrospinning: A Fascinating Method for the Preparation of Ultrathin Fibers. Angewandte Chemie - International Edition, 2007, 46, 5670-5703.	13.8	3,704
9583	Grafting Single-Walled Carbon Nanotubes with Highly Hybridizable DNA Sequences: Potential Building Blocks for DNA-Programmed Material Assembly. Angewandte Chemie - International Edition, 2007, 46, 7481-7484.	13.8	39
9584	Supramolecular Assembly of Zinc Salphen Complexes: Access to Metal-Containing Gels and Nanofibers. Angewandte Chemie - International Edition, 2007, 46, 7980-7983.	13.8	148
9585	Carbon nanotube synthesis using ferrocene and ferrocenyl sulfide. The effect of sulfur. Applied Organometallic Chemistry, 2007, 21, 275-280.	3.5	29
9586	Statistics of charge transfer through impurities in strongly correlated 1D metals. Annalen Der Physik, 2007, 16, 661-671.	2.4	7
9597	Multiwall Carbon Nanotube-SiO ₂ Nanocomposites: Sintering, Elastic Properties, and Fracture Toughness. Advanced Engineering Materials, 2007, 9, 84-87.	3.5	34
9598	Epoxy-Based Fibre Reinforced Nanocomposites. Advanced Engineering Materials, 2007, 9, 835-847.	3.5	171
9599	The Synergistic Effect of Prussian-Blue-Grafted Carbon Nanotube/Poly(4-vinylpyridine) Composites for Amperometric Sensing. Advanced Functional Materials, 2007, 17, 1574-1580.	14.9	202
9600	Concentric Sub-micrometer-Sized Cables Composed of Ni Nanowires and Sub-micrometer-Sized Fullerene Tubes. Advanced Functional Materials, 2007, 17, 1124-1130.	14.9	13
9601	Hybrid "Golden Fleece": Synthesis and Catalytic Performance of Uniform Carbon Nanofibers and Silica Nanotubes Embedded with a High Population of Noble-Metal Nanoparticles. Advanced Functional Materials, 2007, 17, 637-643.	14.9	92
9602	Wet Adsorption of a Luminescent Eu ^{III} complex on Carbon Nanotubes Sidewalls. Advanced Functional Materials, 2007, 17, 2975-2982.	14.9	71
9603	Solid-State Pyrolysis of Polyphenylene-Metal Complexes: A Facile Approach Toward Carbon Nanoparticles. Advanced Functional Materials, 2007, 17, 1179-1187.	14.9	43

#	ARTICLE	IF	CITATIONS
9604	Tunable Synthesis of Various Wurtzite ZnS Architectural Structures and Their Photocatalytic Properties. <i>Advanced Functional Materials</i> , 2007, 17, 2728-2738.	14.9	156
9605	Design of Dispersants for the Dispersion of Carbon Nanotubes in an Organic Solvent. <i>Advanced Functional Materials</i> , 2007, 17, 1775-1783.	14.9	87
9606	Mechanical Properties and Flame-Retardant Behavior of Ethylene Vinyl Acetate/High-Density Polyethylene Coated Carbon Nanotube Nanocomposites. <i>Advanced Functional Materials</i> , 2007, 17, 2787-2791.	14.9	98
9607	Preparation of Rectangular WO ₃ -H ₂ O Nanotubes Under Mild Conditions. <i>Advanced Functional Materials</i> , 2007, 17, 1790-1794.	14.9	72
9608	Microwave-Induced Controlled Purification of Single-Walled Carbon Nanotubes without Sidewall Functionalization. <i>Advanced Functional Materials</i> , 2007, 17, 3946-3951.	14.9	58
9609	A Modified Glassy Carbon Electrode for Hydrogen Peroxide Sensing. <i>Annali Di Chimica</i> , 2007, 97, 1227-1235.	0.6	1
9610	Giant Dielectric Permittivities in Functionalized Carbon-Nanotube/ Electroactive-Polymer Nanocomposites. <i>Advanced Materials</i> , 2007, 19, 852-857.	21.0	764
9611	Instant Preparation of Self-Assembled Metal-Complexed Lipid Nanotubes That Act as Templates to Produce Metal-Oxide Nanotubes. <i>Advanced Materials</i> , 2007, 19, 242-246.	21.0	67
9612	An Approach to Obtaining Homogeneously Dispersed Carbon Nanotubes in Al Powders for Preparing Reinforced Al-Matrix Composites. <i>Advanced Materials</i> , 2007, 19, 1128-1132.	21.0	321
9613	Self-Assembly of a Dipeptide-Containing Conformationally Restricted Dehydrophenylalanine Residue to Form Ordered Nanotubes. <i>Advanced Materials</i> , 2007, 19, 858-861.	21.0	133
9614	Carbon-Nanotube Biofibers. <i>Advanced Materials</i> , 2007, 19, 1244-1248.	21.0	77
9615	Carbon Nanotube Field-Effect-Transistor-Based Biosensors. <i>Advanced Materials</i> , 2007, 19, 1439-1451.	21.0	726
9616	Mg ₃ N ₂ -Ga: Nanoscale Semiconductor-Liquid Metal Heterojunctions inside Graphitic Carbon Nanotubes. <i>Advanced Materials</i> , 2007, 19, 1342-1346.	21.0	10
9617	Filling of TiO ₂ Nanotubes by Self-Doping and Electrodeposition. <i>Advanced Materials</i> , 2007, 19, 3027-3031.	21.0	290
9618	DNA-Wrapped Single Walled Carbon Nanotubes as Rigid Templates for Assembling Linear Gold Nanoparticle Arrays. <i>Advanced Materials</i> , 2007, 19, 1518-1522.	21.0	89
9619	Ultrafine ZnS Nanobelts as Field Emitters. <i>Advanced Materials</i> , 2007, 19, 2593-2596.	21.0	236
9620	Boron Nitride Nanotubes. <i>Advanced Materials</i> , 2007, 19, 2413-2432.	21.0	886
9621	Single Crystalline Boron Nanocones: Electric Transport and Field Emission Properties. <i>Advanced Materials</i> , 2007, 19, 4480-4485.	21.0	80

#	ARTICLE	IF	CITATIONS
9622	Directed Assembly of Hierarchical CdS Nanotube Arrays from CdS Nanoparticles: Enhanced Solid State Electrochemiluminescence in H_2O Solution. <i>Advanced Materials</i> , 2007, 19, 3677-3681.	21.0	93
9623	Inorganic Nanotubes as Nanoreactors: The First MoS_2 Nanopods. <i>Advanced Materials</i> , 2007, 19, 4276-4278.	21.0	112
9624	Graphene Physics in Graphite. <i>Advanced Materials</i> , 2007, 19, 4559-4563.	21.0	176
9625	Spent FCC catalysts: An untapped resource of carbon nanotubes?. <i>AIChE Journal</i> , 2007, 53, 2198-2200.	3.6	2
9626	From Carbon Nanostructures to New Photoluminescence Sources: An Overview of New Perspectives and Emerging Applications of Low-Pressure PECVD. <i>Chemical Vapor Deposition</i> , 2007, 13, 267-279.	1.3	58
9627	Behavior of Ni-Doped $MgMoO_4$ Single-Phase Catalysts for Synthesis of Multiwalled Carbon Nanotube Bundles. <i>Chemical Vapor Deposition</i> , 2007, 13, 30-36.	1.3	4
9628	Ultrafast saturable absorbers based on carbon nanotubes and their applications to passively mode-locked fiber lasers. <i>Electronics and Communications in Japan</i> , 2007, 90, 17-24.	0.2	5
9629	Unexpected Outcome in the Reaction of Triazolinedione with Carbon Nanotubes. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4817-4819.	2.4	4
9630	Electrochemical Characteristics of Glucose Oxidase Adsorbed at Carbon Nanotubes Modified Electrode with Ionic Liquid as Binder. <i>Electroanalysis</i> , 2007, 19, 55-59.	2.9	87
9631	Determination of Phenolic Compounds Based on Co-Immobilization of Methylene Blue and HRP on Multi-Wall Carbon Nanotubes. <i>Electroanalysis</i> , 2007, 19, 549-554.	2.9	36
9632	Carbon Nanotubes Paste Electrodes. A New Alternative for the Development of Electrochemical Sensors. <i>Electroanalysis</i> , 2007, 19, 823-831.	2.9	87
9633	Direct Electron Transfer of Hemoglobin Immobilized in Multiwalled Carbon Nanotubes Enhanced Grafted Collagen Matrix for Electrocatalytic Detection of Hydrogen Peroxide. <i>Electroanalysis</i> , 2007, 19, 841-846.	2.9	36
9634	Functionalized Single-Walled Carbon Nanotubes Modified Microsensors for the Selective Response of Epinephrine in Presence of Ascorbic Acid. <i>Electroanalysis</i> , 2007, 19, 859-869.	2.9	47
9635	Biosensor Based on Self-Assembling Glucose Oxidase and Dendrimer-Encapsulated Pt Nanoparticles on Carbon Nanotubes for Glucose Detection. <i>Electroanalysis</i> , 2007, 19, 717-722.	2.9	77
9636	The NADH Electrochemical Detection Performed at Carbon Nanofibers Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 1455-1459.	2.9	53
9637	Amperometric Ethanol Biosensor Based on Carbon Nanotubes Dispersed in Sol-Gel-Derived Titania-Nafion Composite Film. <i>Electroanalysis</i> , 2007, 19, 1524-1530.	2.9	26
9638	Amperometric Glucose Biosensor Based on Glucose Oxidase Encapsulated in Carbon Nanotube-Titania-Nafion Composite Film on Platinized Glassy Carbon Electrode. <i>Electroanalysis</i> , 2007, 19, 1757-1763.	2.9	50
9639	Simultaneous Voltammetric Determination of Uric Acid and Ascorbic Acid Using a Carbon Paste Electrode Modified with Multi-Walled Carbon Nanotubes/Nafion and Cobalt(II)nitrosalophen. <i>Electroanalysis</i> , 2007, 19, 2234-2242.	2.9	46

#	ARTICLE	IF	CITATIONS
9640	Nanobiomaterials in Electroanalysis. <i>Electroanalysis</i> , 2007, 19, 739-741.	2.9	61
9641	Dielectrophoretic manipulation of fluorescing single-walled carbon nanotubes. <i>Electrophoresis</i> , 2007, 28, 1495-1498.	2.4	6
9642	Evaluation of carbon nanostructures as chiral selectors for direct enantiomeric separation of ephedrine by EKC. <i>Electrophoresis</i> , 2007, 28, 2573-2579.	2.4	63
9643	Carbon nanotube-enhanced thermal destruction of cancer cells in a noninvasive radiofrequency field. <i>Cancer</i> , 2007, 110, 2654-2665.	4.1	381
9644	Cages and Needles of Group 13-15 Binary Hydrides. <i>ChemPhysChem</i> , 2007, 8, 62-63.	2.1	15
9645	An Electrokinetic Method for Rapid Synthesis of Nanotubes. <i>ChemPhysChem</i> , 2007, 8, 1009-1012.	2.1	18
9646	Spectroelectrochemistry of Carbon Nanostructures. <i>ChemPhysChem</i> , 2007, 8, 974-998.	2.1	158
9647	Electrical Properties of a Composite Film of Poly(acrylonitrile) Nanoparticles Coated with Carbon Nanotubes. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 377-383.	2.2	18
9648	Composites of Single-Walled Carbon Nanotubes and Styrene-Isoprene Copolymer Latices. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 446-456.	2.2	57
9649	Functionalized Multi-Walled Carbon Nanotubes Prepared by In Situ Polycondensation of Polyurethane. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 964-972.	2.2	45
9650	Processing and Material Characteristics of a Carbon-Nanotube-Reinforced Natural Rubber. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 1020-1026.	3.6	77
9651	How Carbon Nanotube Crushing can Improve Flame Retardant Behaviour in Polymer Nanocomposites?. <i>Macromolecular Rapid Communications</i> , 2007, 28, 260-264.	3.9	107
9652	Poly(ethylene terephthalate) Nanofibers Made by Sea-Island-Type Conjugated Melt Spinning and Laser-Heated Flow Drawing. <i>Macromolecular Rapid Communications</i> , 2007, 28, 792-795.	3.9	74
9653	A Mechanochemical Approach to Nanocomposites Using Single-Wall Carbon Nanotubes and Poly(L-lysine). <i>Macromolecular Rapid Communications</i> , 2007, 28, 767-771.	3.9	27
9654	Creep Resistant Polymer Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2007, 28, 955-961.	3.9	100
9655	Ethylene-Norbornene Copolymerization by Carbon Nanotube-Supported Metallocene Catalysis: Generation of High-Performance Polyolefinic Nanocomposites. <i>Macromolecular Rapid Communications</i> , 2007, 28, 822-827.	3.9	28
9656	Large-Scale Production of Homogeneous Helical Amylose/SWNTs Complexes with Good Biocompatibility. <i>Macromolecular Rapid Communications</i> , 2007, 28, 2180-2184.	3.9	31
9657	Carbon allotropes: beyond graphite and diamond. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 524-531.	3.2	215

#	ARTICLE	IF	CITATIONS
9658	Adsorption of fulvic acids from aqueous solutions by carbon nanotubes. Journal of Chemical Technology and Biotechnology, 2007, 82, 698-704.	3.2	76
9659	Thermal, sonochemical, and mechanical behaviors of single crystal [60]fullerene nanotubes. Microscopy Research and Technique, 2007, 70, 513-521.	2.2	12
9660	Non surgical life saving diagnostic procedure using microwaves. Microwave and Optical Technology Letters, 2007, 49, 2364-2368.	1.4	0
9661	Theory of optical scattering by carbon nanotubes. Microwave and Optical Technology Letters, 2007, 49, 2360-2364.	1.4	18
9662	Temperature-dependent magneto-photoluminescence spectroscopy of carbon nanotubes: evidence for dark excitons. Laser and Photonics Reviews, 2007, 1, 260-274.	8.7	28
9663	Photothermal antimicrobial nanotherapy and nanodiagnostics with self-assembling carbon nanotube clusters. Lasers in Surgery and Medicine, 2007, 39, 622-634.	2.1	133
9664	Changes in the vibrational modes of carbon nanotubes induced by electron-beam irradiation: resonance Raman spectroscopy. Journal of Raman Spectroscopy, 2007, 38, 188-199.	2.5	37
9665	Raman spectroscopy of optical phonon confinement in nanostructured materials. Journal of Raman Spectroscopy, 2007, 38, 604-617.	2.5	322
9666	Enrichment of peptides from plasma for peptidome analysis using multiwalled carbon nanotubes. Journal of Separation Science, 2007, 30, 930-943.	2.5	27
9667	Reduction in the electronic band gap of titanium oxide nanotubes. Solid State Communications, 2007, 141, 168-171.	1.9	42
9668	Large-scale synthesis of neodymium hexaboride nanowires by self-catalyst. Solid State Communications, 2007, 141, 53-56.	1.9	39
9669	Mechanism of the growth of ZnSe nanowires with Fe catalysts. Solid State Communications, 2007, 141, 228-232.	1.9	6
9670	Graphene: New bridge between condensed matter physics and quantum electrodynamics. Solid State Communications, 2007, 143, 3-13.	1.9	544
9671	dc Josephson effect in metallic single-walled carbon nanotubes. Solid State Communications, 2007, 144, 551-556.	1.9	2
9672	Synthesis-condition dependence of carbon nanotube growth by alcohol catalytic chemical vapor deposition method. Science and Technology of Advanced Materials, 2007, 8, 292-295.	6.1	46
9673	Nanowire-like macropore weavelike structure self-assembled by partially crystalline polymer. Surface and Coatings Technology, 2007, 201, 5506-5511.	4.8	3
9674	Synthesis of oxide nanoparticles via microwave plasma decomposition of initial materials. Surface and Coatings Technology, 2007, 201, 5114-5120.	4.8	38
9675	Corrosion studies of carbon nanotubes-Zn composite coating. Surface and Coatings Technology, 2007, 201, 5836-5842.	4.8	155

#	ARTICLE	IF	CITATIONS
9676	Ion beam induced nano-space reactions and nano-wire formation in polymers by high energy sub-1/4m heavy ion beams. Surface and Coatings Technology, 2007, 201, 8495-8498.	4.8	3
9677	Organometallic precursors as catalyst to grow three-dimensional micro/nanostructures: Spheres, clusters & wires. Surface and Coatings Technology, 2007, 201, 9104-9108.	4.8	6
9678	Plasma assisted growth of nanotubes and nanowires. Surface and Coatings Technology, 2007, 201, 9215-9220.	4.8	26
9679	Catalytic effects of production of carbon nanotubes in a thermogravimetric CVD reactor. Surface and Coatings Technology, 2007, 201, 9226-9231.	4.8	21
9680	Surface diffusion of k-mers in one-dimensional systems. Surface Science, 2007, 601, 569-577.	1.9	4
9681	Electronic properties of alkali-metal intercalated single walled carbon nanotubes. Surface Science, 2007, 601, 2828-2831.	1.9	10
9682	Field electron emission images of multi-walled carbon nanotubes. Surface Science, 2007, 601, 1521-1528.	1.9	10
9683	Transmission electron microscopy observations of CNT morphology before and after heating in vacuum. Surface Science, 2007, 601, 1705-1708.	1.9	2
9684	Enhancement of fluid thermal conductivity by the addition of single and hybrid nano-additives. Thermochimica Acta, 2007, 462, 45-55.	2.7	520
9685	Investigation of the synthesis strategy of CNTs from CCVD by thermal analysis. Thermochimica Acta, 2007, 463, 53-59.	2.7	25
9686	Patently obvious: Intellectual property rights and nanotechnology. Technology in Society, 2007, 29, 307-315.	9.4	18
9687	Study of the influence of the dielectric layer thickness in a CNT-FED. Ultramicroscopy, 2007, 107, 844-848.	1.9	2
9688	Sonochemical preparation of carbon nanosheet from carbon black. Ultrasonics Sonochemistry, 2007, 14, 225-228.	8.2	21
9689	Influence of the gas composition on the synthesis of boron-doped carbon nanotubes by ECR-CVD. Vacuum, 2007, 81, 579-582.	3.5	26
9690	High-aligned carbon nanotube film with netlike bulges. Vacuum, 2007, 81, 953-957.	3.5	1
9691	Field emission characteristics of CuO nanowires by hydrogen plasma treatment. Vacuum, 2007, 81, 851-856.	3.5	31
9692	Photoluminescence and field-emission characteristics of ZnO nanowires synthesized by two-step method. Vacuum, 2007, 82, 30-34.	3.5	13
9693	Carbon nanopillar array deposition on by ion irradiation through a porous alumina template. Vacuum, 2007, 82, 359-362.	3.5	7

#	ARTICLE	IF	CITATIONS
9694	Structure and electronic properties of armchair boron nitride nanotubes. Computational and Theoretical Chemistry, 2007, 817, 137-145.	1.5	42
9695	Space charge distributions of an electric double layer capacitor with carbon nanotubes electrode. Thin Solid Films, 2007, 515, 4234-4239.	1.8	34
9696	Conversion of toluene into carbon nanotubes using arc discharge plasmas in solution. Thin Solid Films, 2007, 515, 4262-4265.	1.8	34
9697	A new type of arc plasma reactor with 12-phase alternating current discharge for synthesis of carbon nanotubes. Thin Solid Films, 2007, 515, 4240-4246.	1.8	39
9698	Bicrystalline gallium oxide nanobelts. Thin Solid Films, 2007, 515, 5158-5162.	1.8	15
9699	Bioaffinity platforms based on carbon-polymer biocomposites for electrochemical biosensing. Thin Solid Films, 2007, 516, 284-292.	1.8	12
9700	Carbon nanotubes synthesis by the ethylene chemical catalytic vapour deposition (CCVD) process on Fe, Co, and Fe ²⁺ /Co/Al ₂ O ₃ sol-gel catalysts. Applied Catalysis A: General, 2007, 318, 63-69.	4.3	82
9701	Facile preparation of RuO ₂ /CNT catalyst by a homogenous oxidation precipitation method and its catalytic performance. Applied Catalysis A: General, 2007, 321, 190-197.	4.3	100
9702	Preparation of LaSrCuO ₄ nanowires by carbon nanotubes and their catalytic and chemiluminescence properties for CO oxidation. Applied Catalysis A: General, 2007, 328, 156-162.	4.3	10
9703	Adsorption and manipulation of carbon onions on highly oriented pyrolytic graphite studied with atomic force microscopy. Applied Surface Science, 2007, 253, 3237-3241.	6.1	10
9704	Improve the field emission uniformity of carbon nanotubes treated by ball-milling process. Applied Surface Science, 2007, 253, 3292-3297.	6.1	8
9705	Helical nanostructures of SiO ₂ synthesized through the heating of Co-coated substrates. Applied Surface Science, 2007, 253, 3664-3668.	6.1	19
9706	Laser induced modification of surface structures. Applied Surface Science, 2007, 253, 4295-4299.	6.1	27
9707	Carbon nanotubes supported Pt-Ni catalysts and their properties for the liquid phase hydrogenation of cinnamaldehyde to hydrocinnamaldehyde. Applied Surface Science, 2007, 253, 4978-4984.	6.1	46
9708	Plasma characterization and room temperature growth of carbon nanotubes and nano-onions by excimer laser ablation. Applied Surface Science, 2007, 253, 7651-7655.	6.1	37
9709	Stimulation of the local growth of aligned carbon nanotubes by pulse laser exposure of the substrate. Applied Surface Science, 2007, 253, 7707-7710.	6.1	3
9710	Metal nanoparticle production by pulsed laser nanostructuring of thin metal films. Applied Surface Science, 2007, 253, 8080-8085.	6.1	60
9711	Effects of gas composition on the growth of multi-walled carbon nanotube. Applied Surface Science, 2007, 253, 8749-8753.	6.1	6

#	ARTICLE	IF	CITATIONS
9712	Controlled growth and field emission properties of zinc oxide nanopyramid arrays. Applied Surface Science, 2007, 253, 8901-8904.	6.1	13
9713	Effect of temperature on the electron field emission from aligned carbon nanofibers and multiwalled carbon nanotubes. Applied Surface Science, 2007, 254, 610-615.	6.1	40
9714	Pulsed laser deposition of multiwalled carbon nanotubes thin films. Applied Surface Science, 2007, 254, 1260-1263.	6.1	20
9715	Aligned carbon nanotubes catalytically grown on iron-based nanoparticles obtained by laser-induced CVD. Applied Surface Science, 2007, 254, 1058-1066.	6.1	7
9716	Ramified fractal-patterns formed by droplet evaporation of a solution containing single-walled carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 292, 148-152.	4.7	8
9717	The fabrication of hollow multilayered polyelectrolyte fibrous mats and its morphology study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 293, 272-277.	4.7	26
9718	A new and acid-exclusive method for dispersing carbon multi-walled nanotubes in aqueous suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 297, 275-281.	4.7	39
9719	Adsorption kinetic, thermodynamic and desorption studies of Th(IV) on oxidized multi-wall carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 302, 449-454.	4.7	186
9720	Characterization of carbon nanotube/nanofiber-reinforced polymer composites using an instrumented indentation technique. Composites Part B: Engineering, 2007, 38, 58-65.	12.0	82
9721	The effect of non-symmetric distribution of fiber orientation and aspect ratio on elastic properties of composites. Composites Part B: Engineering, 2007, 38, 24-34.	12.0	95
9722	On the fate of carbon nanotubes: Morphological characterisations. Composites Science and Technology, 2007, 67, 783-788.	7.8	25
9723	Gamma radiation induced distribution of gold nanoparticles into carbon nanotube-polyaniline composite. Composites Science and Technology, 2007, 67, 811-816.	7.8	71
9724	Viscoelastic behavior and electrical properties of flexible nanofiber filled polymer nanocomposites. Influence of processing conditions. Composites Science and Technology, 2007, 67, 829-839.	7.8	185
9725	Investigation of axially compressed buckling of a multi-walled carbon nanotube under temperature field. Composites Science and Technology, 2007, 67, 125-134.	7.8	60
9726	Vibrations of carbon nanotubes and their composites: A review. Composites Science and Technology, 2007, 67, 1-28.	7.8	478
9727	Preparation and mechanical properties of novel polyimide/T-silica hybrid films. Composites Science and Technology, 2007, 67, 54-60.	7.8	26
9728	Properties investigation on isotropical conductive adhesives filled with silver coated carbon nanotubes. Composites Science and Technology, 2007, 67, 1182-1186.	7.8	88
9729	Effects of oxidative conditions on properties of multi-walled carbon nanotubes in polymer nanocomposites. Composites Science and Technology, 2007, 67, 1027-1034.	7.8	60

#	ARTICLE	IF	CITATIONS
9730	A review of the fabrication and properties of vapor-grown carbon nanofiber/polymer composites. Composites Science and Technology, 2007, 67, 1709-1718.	7.8	552
9731	Piezoresistive behavior of polymer reinforced by expanded graphite. Composites Science and Technology, 2007, 67, 231-237.	7.8	51
9732	Eccentric compression stability of multi-walled carbon nanotubes embedded in an elastic matrix. Composites Science and Technology, 2007, 67, 1406-1414.	7.8	11
9733	Preparation and characterization of carbon nanotube/polyetherimide nanocomposite films. Composites Science and Technology, 2007, 67, 406-412.	7.8	116
9734	Physical and chemical characteristics of multiwalled carbon nanotubes functionalized with aminosilane and its influence on the properties of natural rubber composites. Composites Science and Technology, 2007, 67, 1813-1822.	7.8	310
9735	Prediction of the elastic properties of single walled carbon nanotube reinforced polymers: A comparative study of several micromechanical models. Composites Science and Technology, 2007, 67, 2071-2084.	7.8	98
9736	Poly(N-vinyl carbazole) and carbon nanotubes based composites and their application to rechargeable lithium batteries. Composites Science and Technology, 2007, 67, 2556-2563.	7.8	73
9737	Fabrication and mechanical properties of well-dispersed multiwalled carbon nanotubes/epoxy composites. Composites Science and Technology, 2007, 67, 3331-3337.	7.8	147
9738	Mechanical properties of high density polyethylene/carbon nanotube composites. Composites Science and Technology, 2007, 67, 3071-3077.	7.8	391
9739	Torsional buckling of multi-wall carbon nanotubes embedded in an elastic medium. Composite Structures, 2007, 77, 182-192.	5.8	54
9740	Matrix effects on the breathing modes of multiwall carbon nanotubes. Composite Structures, 2007, 80, 73-81.	5.8	11
9741	Shape memory effect and mechanical properties of carbon nanotube/shape memory polymer nanocomposites. Composite Structures, 2007, 81, 176-184.	5.8	225
9742	Effect of process conditions on the synthesis of carbon nanotubes by catalytic decomposition of methane. Particuology: Science and Technology of Particles, 2007, 5, 213-219.	0.4	29
9743	Three-dimensional simulation studies on electrostatic predictions for carbon nanotube field effect transistors. Computer Physics Communications, 2007, 177, 683-688.	7.5	4
9744	Boron mediated synthesis of multiwalled carbon nanotubes by chemical vapor deposition. Chemical Physics Letters, 2007, 437, 87-91.	2.6	20
9745	First-principles study of a single Ti atom adsorbed on silicon carbide nanotubes and the corresponding adsorption of hydrogen molecules to the Ti atom. Chemical Physics Letters, 2007, 437, 224-228.	2.6	28
9746	Interaction between Pt nanoparticles and carbon nanotubes – An X-ray absorption near edge structures (XANES) study. Chemical Physics Letters, 2007, 437, 229-232.	2.6	98
9747	Resonant hyper-Raman scattering from carbon nanotubes. Chemical Physics Letters, 2007, 438, 109-112.	2.6	16

#	ARTICLE	IF	CITATIONS
9748	Radial-breathing mode frequencies for nanotubes encapsulating fullerenes. Chemical Physics Letters, 2007, 438, 59-62.	2.6	38
9749	Enhanced physical and electrochemical properties of nanostructured carbon nanotubes coated microfibrillar carbon paper. Chemical Physics Letters, 2007, 441, 88-93.	2.6	29
9750	Ammonia adsorption on multi-walled carbon nanotubes. Chemical Physics Letters, 2007, 441, 282-285.	2.6	19
9751	Synthesis of carbide-free, high strength iron-carbon nanotube composite by in situ nanotube growth. Chemical Physics Letters, 2007, 442, 365-371.	2.6	15
9752	Cathodoluminescence imaging and spectroscopy on a single multiwall boron nitride nanotube. Chemical Physics Letters, 2007, 442, 372-375.	2.6	49
9753	Electrical behavior of polymer grafted nanotubes/polymer nanocomposites using N-doped carbon nanotubes. Chemical Physics Letters, 2007, 444, 1-8.	2.6	29
9754	Study of the optical limiting properties of carbon-encapsulated magnetic nanoparticles. Chemical Physics Letters, 2007, 444, 113-117.	2.6	14
9755	Fabrication and electric capacitive behavior of hetero-junction carbon nanoclusters by using secondary chemical vapor deposition. Chemical Physics Letters, 2007, 444, 149-154.	2.6	15
9756	Confinement effects on site-preferences for cycloadditions into carbon nanotubes. Chemical Physics Letters, 2007, 444, 155-160.	2.6	34
9757	Iron- and iron oxide-filled multi-walled carbon nanotubes: Electrical properties and memory devices. Chemical Physics Letters, 2007, 444, 304-308.	2.6	41
9758	Investigations of NanoBud formation. Chemical Physics Letters, 2007, 446, 109-114.	2.6	107
9759	Fluorescence observation of pyrene adsorbed on carbon nanofibers. Chemical Physics Letters, 2007, 448, 218-222.	2.6	11
9760	Amperometric third-generation hydrogen peroxide biosensor based on the immobilization of hemoglobin on multiwall carbon nanotubes and gold colloidal nanoparticles. Biosensors and Bioelectronics, 2007, 22, 1268-1274.	10.1	218
9761	Amperometric glucose biosensor based on multilayer films via layer-by-layer self-assembly of multi-wall carbon nanotubes, gold nanoparticles and glucose oxidase on the Pt electrode. Biosensors and Bioelectronics, 2007, 22, 2854-2860.	10.1	196
9762	Overoxidized polypyrrole film directed single-walled carbon nanotubes immobilization on glassy carbon electrode and its sensing applications. Biosensors and Bioelectronics, 2007, 22, 3120-3125.	10.1	138
9763	Enzymatic determination of BPA by means of tyrosinase immobilized on different carbon carriers. Biosensors and Bioelectronics, 2007, 23, 60-65.	10.1	131
9764	Routes to the synthesis of carbon nanotube-polyacetylene composites by Ziegler-Natta polymerization of acetylene inside carbon nanotubes. Current Applied Physics, 2007, 7, 39-41.	2.4	29
9765	Functionalization of multiwalled carbon nanotubes with polystyrene under atom transfer radical polymerization conditions. Carbon, 2007, 45, 152-159.	10.3	137

#	ARTICLE	IF	CITATIONS
9766	Nucleation of metal clusters on plasma treated multi wall carbon nanotubes. Carbon, 2007, 45, 110-116.	10.3	46
9767	Co-synthesis, purification and characterization of single- and multi-walled carbon nanotubes using the electric arc method. Carbon, 2007, 45, 132-140.	10.3	75
9768	Polypropylene as a carbon source for the synthesis of multi-walled carbon nanotubes via catalytic combustion. Carbon, 2007, 45, 449-458.	10.3	135
9769	Control of the single-wall carbon nanotube mean diameter in sulphur promoted aerosol-assisted chemical vapour deposition. Carbon, 2007, 45, 55-61.	10.3	45
9770	Synthesis and characterization of manganese dioxide spontaneously coated on carbon nanotubes. Carbon, 2007, 45, 375-382.	10.3	350
9771	Incorporation of carbon nanotubes into the biomedical polymer poly(styrene- <i>î</i> ² -isobutylene- <i>î</i> ² -styrene). Carbon, 2007, 45, 402-410.	10.3	54
9772	Solid state growth mechanisms for carbon nanotubes. Carbon, 2007, 45, 229-239.	10.3	185
9773	Electron emission from the side wall of an individual multiwall carbon nanotube. Carbon, 2007, 45, 281-284.	10.3	29
9774	Controlling the dispersion of multi-wall carbon nanotubes in aqueous surfactant solution. Carbon, 2007, 45, 618-623.	10.3	652
9775	An easy way to produce <i>î</i> [±] -iron filled multiwalled carbon nanotubes. Carbon, 2007, 45, 602-606.	10.3	40
9776	Effect of strain rate on the buckling behavior of single- and double-walled carbon nanotubes. Carbon, 2007, 45, 514-523.	10.3	52
9777	Complex carbon nanotube superstructures synthesized with natural mineral catalysts. Carbon, 2007, 45, 873-879.	10.3	11
9778	Laser-induced electron pooling from carbon nano <i>â</i> œtest tube <i>â</i> œ dispersed in aqueous solution. Carbon, 2007, 45, 684-687.	10.3	2
9779	Alignment of amorphous carbon nanotubes with graphitized branches grown by radio frequency plasma-enhanced chemical vapor deposition. Carbon, 2007, 45, 681-684.	10.3	6
9780	Preparation of multi-walled carbon nanotube supported TiO ₂ and its photocatalytic activity in the reduction of CO ₂ with H ₂ O. Carbon, 2007, 45, 717-721.	10.3	346
9781	Controlled synthesis of pointed carbon nanotubes. Carbon, 2007, 45, 732-737.	10.3	33
9782	Structural study of graphite-encapsulated iron nanoparticles via chemical vapor deposition combined with spray method. Carbon, 2007, 45, 898-902.	10.3	7
9783	The efficiency of the oxidation of carbon nanofibers with various oxidizing agents. Carbon, 2007, 45, 1072-1080.	10.3	126

#	ARTICLE	IF	CITATIONS
9784	Wear studies of hydroxyapatite composite coating reinforced by carbon nanotubes. Carbon, 2007, 45, 998-1004.	10.3	77
9785	Torsional buckling of carbon nanopeapods. Carbon, 2007, 45, 952-957.	10.3	25
9786	Influence of diameter in the Raman spectra of aligned multi-walled carbon nanotubes. Carbon, 2007, 45, 913-921.	10.3	204
9787	A kinetic study of multi-walled carbon nanotube synthesis by catalytic chemical vapor deposition using a Fe-Co/Al ₂ O ₃ catalyst. Carbon, 2007, 45, 1167-1175.	10.3	70
9788	Far-ultraviolet to near-infrared optical properties of carbon nanoparticles produced by pulsed-laser pyrolysis of hydrocarbons and their relation with structural variations. Carbon, 2007, 45, 1542-1557.	10.3	52
9789	High intensity, pulsed electron beam emission from carbon nanotube cathodes. Carbon, 2007, 45, 1471-1475.	10.3	21
9790	Translocation and fate of multi-walled carbon nanotubes in vivo. Carbon, 2007, 45, 1419-1424.	10.3	251
9791	Microstructures and mechanical properties of carbon/carbon composites reinforced with carbon nanofibers/nanotubes produced in situ. Carbon, 2007, 45, 1662-1668.	10.3	43
9792	Hydrogen storage in boron substituted carbon nanotubes. Carbon, 2007, 45, 1628-1635.	10.3	94
9793	Raman characterisation of single-walled carbon nanotubes produced by the catalytic pyrolysis of methane. Carbon, 2007, 45, 1871-1879.	10.3	12
9794	Effects of polarity and pH on the solubility of acid-treated carbon nanotubes in different media. Carbon, 2007, 45, 1880-1890.	10.3	175
9795	Molecular mechanics modeling of carbon nanotube fracture. Carbon, 2007, 45, 1769-1776.	10.3	96
9796	Multiwall carbon nanotubes enhance the fatigue performance of physiologically maintained methyl methacrylate-styrene copolymer. Carbon, 2007, 45, 2098-2104.	10.3	59
9797	An ab initio study of the electronic properties of carbon nanotubes activated by hydrogen-passivated vacancies. Carbon, 2007, 45, 2031-2036.	10.3	5
9798	Carbon nitride nanowires with an onion-like cross-linked microstructure. Carbon, 2007, 45, 2134-2136.	10.3	6
9799	A mechanism for carbon nanosheet formation. Carbon, 2007, 45, 2229-2234.	10.3	315
9800	Synthesis of nitrogen-doped horn-shaped carbon nanotubes by reduction of pentachloropyridine with metallic sodium. Carbon, 2007, 45, 2253-2259.	10.3	24
9801	Low-temperature solution synthesis of carbon nanoparticles, onions and nanoropes by the assembly of aromatic molecules. Carbon, 2007, 45, 2209-2216.	10.3	35

#	ARTICLE	IF	CITATIONS
9802	Controlled filling and external cleaning of multi-wall carbon nanotubes using a wet chemical method. Carbon, 2007, 45, 2205-2208.	10.3	24
9803	Characterization of SWCNT and PAN/SWCNT films. Carbon, 2007, 45, 2417-2423.	10.3	14
9804	Growth of nitrogenated fullerene-like carbon on Ni islands by ion beam sputtering. Carbon, 2007, 45, 2678-2684.	10.3	14
9805	Functionalization of multiwalled carbon nanotubes with polyamide 6 by anionic ring-opening polymerization. Carbon, 2007, 45, 2327-2333.	10.3	100
9806	The effects of 2MeV Ag ion irradiation on multiwalled carbon nanotubes. Carbon, 2007, 45, 2659-2664.	10.3	26
9807	Influence of transverse magnetic field on the formation of carbon nano-materials by arc discharge in liquid. Carbon, 2007, 45, 2584-2588.	10.3	18
9808	Thermal conductivity of an aligned carbon nanotube array. Carbon, 2007, 45, 2608-2613.	10.3	78
9809	Surface graphitization and mechanical properties of hot-pressed bulk carbon nanotubes compacted by spark plasma sintering. Carbon, 2007, 45, 2636-2642.	10.3	29
9810	Reinforcement of styrene- <i>butadiene</i> -styrene tri-block copolymer by multi-walled carbon nanotubes via melt mixing. Carbon, 2007, 45, 2621-2627.	10.3	66
9811	Dispersion of carbon nanotubes in low pH aqueous solutions by means of alumina-coated silica nanoparticles. Carbon, 2007, 45, 2823-2827.	10.3	30
9812	Buckling and axially compressive properties of perfect and defective single-walled carbon nanotubes. Carbon, 2007, 45, 2486-2495.	10.3	62
9813	Synthesis of single-walled carbon nanotubes produced using a three layer Al/Fe/Mo metal catalyst and their field emission properties. Carbon, 2007, 45, 3007-3014.	10.3	19
9814	Characteristics of carbon nanotubes grown by mesh-inserted plasma-enhanced chemical vapor deposition. Carbon, 2007, 45, 3015-3021.	10.3	15
9815	Structure of flattened carbon nanotubes. Carbon, 2007, 45, 2938-2945.	10.3	9
9816	A local field emission study of partially aligned carbon-nanotubes by atomic force microscope probe. Carbon, 2007, 45, 2957-2971.	10.3	88
9817	Single-step synthesis of metal-coated well-aligned CNx nanotubes using an aerosol-technique. Carbon, 2007, 45, 2889-2896.	10.3	19
9818	Characterization of conductive multiwall carbon nanotube/polystyrene composites prepared by latex technology. Carbon, 2007, 45, 2897-2903.	10.3	152
9819	Dispersion of multi-wall carbon nanotubes in polyethylenimine: A new alternative for preparing electrochemical sensors. Electrochemistry Communications, 2007, 9, 480-484.	4.7	132

#	ARTICLE	IF	CITATIONS
9820	Electrochemical formation of self-organized zirconium titanate nanotube multilayers. <i>Electrochemistry Communications</i> , 2007, 9, 615-619.	4.7	83
9821	Nanoelectrode ensembles based on semi-interpenetrating network of carbon nanotubes. <i>Electrochimica Acta</i> , 2007, 52, 6186-6191.	5.2	13
9822	Postbuckling prediction of double-walled carbon nanotubes under axial compression. <i>European Journal of Mechanics, A/Solids</i> , 2007, 26, 20-32.	3.7	13
9823	Formation of 2,3-diaminophenazines and their self-assembly into nanobelts in aqueous medium. <i>European Polymer Journal</i> , 2007, 43, 3703-3709.	5.4	40
9824	Probing buried carbon nanotubes within polymerâ€“nanotube composite matrices by atomic force microscopy. <i>European Polymer Journal</i> , 2007, 43, 4136-4142.	5.4	20
9825	Determination of ochratoxin A in red wines by multiple pulsed elutions from molecularly imprinted polypyrrole. <i>Food Chemistry</i> , 2007, 105, 301-310.	8.2	36
9826	Buckling of embedded multi-walled carbon nanotubes under combined torsion and axial loading. <i>International Journal of Solids and Structures</i> , 2007, 44, 336-351.	2.7	51
9827	Postbuckling of double-walled carbon nanotubes with temperature dependent properties and initial defects under combined axial and radial mechanical loads. <i>International Journal of Solids and Structures</i> , 2007, 44, 1461-1487.	2.7	46
9828	Parametric variational principle and quadratic programming method for van der Waals force simulation of parallel and cross nanotubes. <i>International Journal of Solids and Structures</i> , 2007, 44, 2783-2801.	2.7	15
9829	Modelling temperature-dependent fracture nucleation of SWCNTs using atomistic-based continuum theory. <i>International Journal of Solids and Structures</i> , 2007, 44, 3828-3839.	2.7	6
9830	Zigzag carbon nanotubesâ€“Molecular/structural mechanics and the finite element method. <i>International Journal of Solids and Structures</i> , 2007, 44, 6914-6929.	2.7	19
9831	Wave-like deformations for oscillating carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2007, 44, 8297-8312.	2.7	6
9832	Novel molecular architecture constructed on the skeleton of salen and salophen containing Zn(II) 2,2â€²-bipyridyl. <i>Inorganic Chemistry Communication</i> , 2007, 10, 1040-1044.	3.9	10
9833	Why boron nitride nanotubes are preferable to carbon nanotubes for hydrogen storage?An ab initio theoretical study. <i>Catalysis Today</i> , 2007, 120, 341-345.	4.4	120
9834	Preparation and characterization of gadolinium hydroxide single-crystalline nanorods by a hydrothermal process. <i>Chinese Chemical Letters</i> , 2007, 18, 491-494.	9.0	9
9835	Reversible electrochemistry of DNA on multi-walled carbon nanotube modified electrode. <i>Chinese Chemical Letters</i> , 2007, 18, 861-864.	9.0	3
9836	Non-hydride systems of the main group elements as hydrogen storage materials. <i>Coordination Chemistry Reviews</i> , 2007, 251, 925-935.	18.8	96
9837	Structural control of icicle-like carbon nanotube forest in heterogeneous catalysis growth with high voltage corona discharge. <i>Chemical Engineering and Processing: Process Intensification</i> , 2007, 46, 889-894.	3.6	0

#	ARTICLE	IF	CITATIONS
9838	Reinforcement of mullite matrix with multi-walled carbon nanotubes. <i>Ceramics International</i> , 2007, 33, 719-722.	4.8	62
9839	Activated diffusion in relaxed porous clusters. <i>Chemical Engineering Science</i> , 2007, 62, 2242-2253.	3.8	6
9840	Reversible mechanical bistability of carbon nanotubes under radial compression. <i>Chemical Physics</i> , 2007, 334, 144-147.	1.9	8
9841	Structural and electronic characteristics of perhydrogenated carbon nanotubes. <i>Chemical Physics</i> , 2007, 340, 120-126.	1.9	9
9842	Effect of oxidation and dimensions of multi-walled carbon nanotubes on solid phase extraction and enrichment of some pesticides from environmental waters prior to their simultaneous determination by high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2007, 1164, 25-32.	3.7	77
9843	Use of nanoparticles in capillary and microchip electrochromatography. <i>Journal of Chromatography A</i> , 2007, 1168, 212-224.	3.7	174
9844	Oxidized multiwalled carbon nanotubes as a novel solid-phase microextraction fiber for determination of phenols in aqueous samples. <i>Journal of Chromatography A</i> , 2007, 1165, 10-17.	3.7	215
9845	Multi-residue determination of pesticides in water using multi-walled carbon nanotubes solid-phase extraction and gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1165, 166-171.	3.7	135
9846	Cetyltrimethylammonium bromide-coated titanate nanotubes for solid-phase extraction of phthalate esters from natural waters prior to high-performance liquid chromatography analysis. <i>Journal of Chromatography A</i> , 2007, 1172, 113-120.	3.7	62
9847	Solid-phase extraction-capillary electrophoresis-mass spectrometry for the determination of tetracyclines residues in surface water by using carbon nanotubes as sorbent material. <i>Journal of Chromatography A</i> , 2007, 1175, 127-132.	3.7	96
9848	Electrical Discharge Machining of Carbon Nanofiber for Uniform Field Emission. <i>CIRP Annals - Manufacturing Technology</i> , 2007, 56, 233-236.	3.6	12
9849	Impact of atomic force microscopy on interface and colloid science. <i>Advances in Colloid and Interface Science</i> , 2007, 133, 91-104.	14.7	76
9850	Voltammetric determination of Cd ²⁺ based on the bifunctionality of single-walled carbon nanotubes-Nafion film. <i>Analytica Chimica Acta</i> , 2007, 581, 27-31.	5.4	68
9851	Highly selective electrogenerated chemiluminescence (ECL) for sulfide ion determination at multi-wall carbon nanotubes-modified graphite electrode. <i>Analytica Chimica Acta</i> , 2007, 582, 267-274.	5.4	88
9852	Electrical detection of deoxyribonucleic acid hybridization based on carbon-nanotubes/nano zirconium dioxide/chitosan-modified electrodes. <i>Analytica Chimica Acta</i> , 2007, 584, 268-274.	5.4	109
9853	X-ray scattering and multivariate analysis for classification of organic samples: A comparative study using Rh tube and synchrotron radiation. <i>Analytica Chimica Acta</i> , 2007, 595, 38-42.	5.4	28
9854	Determination of trace thiocyanate with nano-silver coated multi-walled carbon nanotubes modified glassy carbon electrode. <i>Analytica Chimica Acta</i> , 2007, 585, 331-336.	5.4	61
9855	Evaluation of carbon nanotubes as a solid-phase extraction adsorbent for the extraction of cephalosporins antibiotics, sulfonamides and phenolic compounds from aqueous solution. <i>Analytica Chimica Acta</i> , 2007, 594, 81-92.	5.4	94

#	ARTICLE	IF	CITATIONS
9856	Analytical applications of glassy carbon electrodes modified with multi-wall carbon nanotubes dispersed in polyethylenimine as detectors in flow systems. <i>Analytica Chimica Acta</i> , 2007, 596, 183-194.	5.4	65
9857	An enhanced biosensor for glutamate based on self-assembled carbon nanotubes and dendrimer-encapsulated platinum nanobiocomposites-doped polypyrrole film. <i>Analytica Chimica Acta</i> , 2007, 597, 145-150.	5.4	45
9858	Assembly of polyoxometalates on carbon nanotubes paste electrode and its catalytic behaviors. <i>Analytica Chimica Acta</i> , 2007, 599, 51-57.	5.4	46
9859	Novel looped enzyme- α -polyamidoamine dendrimer nanohybrids used as biosensor matrix. <i>Analytica Chimica Acta</i> , 2007, 604, 170-176.	5.4	16
9860	Mechanical model to evaluate the effect of the dispersion in nanocomposites. <i>Acta Materialia</i> , 2007, 55, 3025-3031.	7.9	262
9861	Zinc/ZnO core-shell hexagonal nanodisk dendrites and their photoluminescence. <i>Acta Materialia</i> , 2007, 55, 5039-5044.	7.9	34
9862	The role of defects in the design of space elevator cable: From nanotube to megatube. <i>Acta Materialia</i> , 2007, 55, 5269-5279.	7.9	54
9863	Self-assembly of nano-hydroxyapatite on multi-walled carbon nanotubes. <i>Acta Biomaterialia</i> , 2007, 3, 669-675.	8.3	86
9864	Tribological behavior of plasma-sprayed carbon nanotube-reinforced hydroxyapatite coating in physiological solution. <i>Acta Biomaterialia</i> , 2007, 3, 944-951.	8.3	183
9865	Estimation of Young's modulus of single-walled carbon nanotube using cellular automata. <i>Advances in Engineering Software</i> , 2007, 38, 531-537.	3.8	7
9866	Electrochemical parameters of ethamsylate at multi-walled carbon nanotube modified glassy carbon electrodes. <i>Bioelectrochemistry</i> , 2007, 70, 296-300.	4.6	52
9867	Study on the electrochemical behavior and differential pulse voltammetric determination of rhein using a nanoparticle composite film-modified electrode. <i>Bioelectrochemistry</i> , 2007, 70, 369-374.	4.6	18
9868	Boron-doped silicon nano-wires. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 139, 95-98.	3.5	3
9869	Optical properties of CdS nanowires prepared by dc electrochemical deposition in porous alumina template. <i>Materials Science in Semiconductor Processing</i> , 2007, 10, 185-193.	4.0	63
9870	Channeling of low energy light and heavy ions in single-wall nanotubes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 260, 513-516.	1.4	11
9871	Structural change of carbon nanotubes produced by Si ion beam irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 260, 542-546.	1.4	24
9872	keV Ag ion irradiation induced damage on multiwalled carbon nanotubes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 264, 36-40.	1.4	10
9873	Electron beam modification and functionalization of MWNT for covalent dispersion into polymeric systems. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 265, 352-355.	1.4	11

#	ARTICLE	IF	CITATIONS
9874	Development of Carbon Nanotube based radiation detectors. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 57-60.	0.4	0
9875	Study of optical nonlinearity of functionalized multi-wall carbon nanotubes by using degenerate four wave mixing and Z-scan techniques. Optics Communications, 2007, 273, 153-158.	2.1	21
9876	Onion-like fullerenes synthesis from coal. Fuel, 2007, 86, 294-298.	6.4	56
9877	Theoretical investigations on the functionalization of carbon nanotubes. Inorganica Chimica Acta, 2007, 360, 785-793.	2.4	28
9878	Adhesive strength of nano-size particles filled thermoplastic polyimides. Part-I: Multi-walled carbon nano-tubes (MWNT)â€“polyimide composite films. International Journal of Adhesion and Adhesives, 2007, 27, 306-318.	2.9	43
9879	An axisymmetric heat conduction model for a multi-material cylindrical system with application to analysis of carbon nanotube based composites. International Journal of Engineering Science, 2007, 45, 22-33.	5.0	2
9880	Analysis of wave propagation in carbon nanotubes via elastic shell theories. International Journal of Engineering Science, 2007, 45, 227-241.	5.0	99
9881	Storage of hydrogen in single-walled carbon nanotube bundles with optimized parameters: Effect of external surfaces. International Journal of Hydrogen Energy, 2007, 32, 1939-1942.	7.1	26
9882	Molecular dynamics study of hydrogen adsorption in carbonaceous microporous materials and the effect of oxygen functional groups. International Journal of Hydrogen Energy, 2007, 32, 1999-2004.	7.1	58
9883	Investigation of hydrogen storage capacity of various carbon materials. International Journal of Hydrogen Energy, 2007, 32, 2504-2512.	7.1	275
9884	Palladium dispersed multiwalled carbon nanotube based hydrogen sensor for fuel cell applications. International Journal of Hydrogen Energy, 2007, 32, 2518-2526.	7.1	91
9885	Hydrogen storage by carbon materials synthesized from oil seeds and fibrous plant materials. International Journal of Hydrogen Energy, 2007, 32, 4238-4249.	7.1	43
9886	The influence of the carbon nanotube on the structural and dynamical properties of cholesterol cluster. New Biotechnology, 2007, 24, 572-576.	2.7	13
9887	Bienzymatic glucose biosensor based on co-immobilization of peroxidase and glucose oxidase on a carbon nanotubes electrode. Biosensors and Bioelectronics, 2007, 23, 528-535.	10.1	170
9888	Electrorheological properties of carbon nanotubes-coated monodisperse polymeric microspheres. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 298, 245-251.	4.7	13
9889	Determination of nitrite with the electrocatalytic property to the oxidation of nitrite on thionine modified aligned carbon nanotubes. Electrochemistry Communications, 2007, 9, 65-70.	4.7	163
9890	A novel hybrid based on carbon nanotubes and heteropolyanions as effective catalyst for hydrogen evolution. Electrochemistry Communications, 2007, 9, 180-184.	4.7	25
9891	Electrodeposition of ZnO nanotube arrays on TCO glass substrates. Electrochemistry Communications, 2007, 9, 289-292.	4.7	71

#	ARTICLE	IF	CITATIONS
9892	Effect of carbon nanofiber microstructure on oxygen reduction activity of supported palladium electrocatalyst. <i>Electrochemistry Communications</i> , 2007, 9, 895-900.	4.7	81
9893	Pt and Pt@Ru nanoparticles decorated polypyrrole/multiwalled carbon nanotubes and their catalytic activity towards methanol oxidation. <i>Electrochemistry Communications</i> , 2007, 9, 1145-1153.	4.7	205
9894	Electrocrystallized Ag nanoparticle on functional multi-walled carbon nanotube surfaces for hydrazine oxidation. <i>Electrochemistry Communications</i> , 2007, 9, 1582-1586.	4.7	123
9895	Gelatin-functionalized carbon nanotubes for the bioelectrochemistry of hemoglobin. <i>Electrochemistry Communications</i> , 2007, 9, 1619-1623.	4.7	55
9896	Glassy carbon electrodes modified with single walled carbon nanotubes and cobalt phthalocyanine and nickel tetrasulfonated phthalocyanine: Highly stable new hybrids with enhanced electrocatalytic performances. <i>Electrochemistry Communications</i> , 2007, 9, 1629-1634.	4.7	64
9897	Electrochemical chlorine sensor with multi-walled carbon nanotubes as electrocatalysts. <i>Electrochemistry Communications</i> , 2007, 9, 2436-2440.	4.7	41
9898	Synthesis of coin-like hollow carbon and performance as Pd catalyst support for methanol electrooxidation. <i>Electrochemistry Communications</i> , 2007, 9, 2473-2478.	4.7	58
9899	Electrochemical/chemical synthesis of highly-oriented single-crystal ZnO nanotube arrays on transparent conductive substrates. <i>Electrochemistry Communications</i> , 2007, 9, 2784-2788.	4.7	106
9900	A simple method for the synthesis of PtRu nanoparticles on the multi-walled carbon nanotube for the anode of a DMFC. <i>Electrochimica Acta</i> , 2007, 52, 2649-2656.	5.2	130
9901	Electrochemical characterization and reactivity of Pt nanoparticles supported on single-walled carbon nanotubes. <i>Electrochimica Acta</i> , 2007, 52, 5582-5590.	5.2	27
9902	Enhancement of electrochemiluminescence of lucigenin by ascorbic acid at single-wall carbon nanotube film-modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2007, 52, 4457-4462.	5.2	25
9903	Selectively attaching Pt-nano-clusters to the open ends and defect sites on carbon nanotubes for electrochemical catalysis. <i>Electrochimica Acta</i> , 2007, 52, 5140-5149.	5.2	57
9904	Fabrication of Fc-SWNTs modified glassy carbon electrode for selective and sensitive determination of dopamine in the presence of AA and UA. <i>Electrochimica Acta</i> , 2007, 52, 5939-5944.	5.2	74
9905	Carbon nanohorn sensor to detect ozone in water. <i>Journal of Electrostatics</i> , 2007, 65, 263-268.	1.9	12
9906	The thermal effect on axially compressed buckling of a double-walled carbon nanotube. <i>European Journal of Mechanics, A/Solids</i> , 2007, 26, 298-312.	3.7	27
9907	Polyethylene thermal oxidative stabilisation in carbon nanotubes based nanocomposites. <i>European Polymer Journal</i> , 2007, 43, 3222-3235.	5.4	105
9908	Effect of carbon nanotubes on mechanical and electrical properties of polyimide/carbon nanotubes nanocomposites. <i>European Polymer Journal</i> , 2007, 43, 3750-3756.	5.4	180
9909	Facile fabrication and characterization of novel polyaniline/titanate composite nanotubes directed by block copolymer. <i>European Polymer Journal</i> , 2007, 43, 3780-3786.	5.4	27

#	ARTICLE	IF	CITATIONS
9910	Effect of fiber length of carbon nanotubes on the absorption of erythropoietin from rat small intestine. <i>International Journal of Pharmaceutics</i> , 2007, 337, 357-360.	5.2	25
9911	Low-temperature process in growing carbon nanotube. <i>Microelectronics Journal</i> , 2007, 38, 657-662.	2.0	16
9912	Sorption properties of modified single-walled carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , 2007, 99, 98-105.	4.4	40
9913	Partially graphitic, high-surface-area mesoporous carbons from polyacrylonitrile templated by ordered and disordered mesoporous silicas. <i>Microporous and Mesoporous Materials</i> , 2007, 102, 178-187.	4.4	88
9914	Studies of LaNiO ₃ used as a precursor for catalytic carbon nanotubes growth. <i>Journal of Molecular Catalysis A</i> , 2007, 265, 209-217.	4.8	23
9915	A simple method for preparing highly active palladium catalysts loaded on various carbon supports for liquid-phase oxidation and hydrogenation reactions. <i>Journal of Molecular Catalysis A</i> , 2007, 268, 59-64.	4.8	93
9916	Study on the hydrogenation of p-chloronitrobenzene over carbon nanotubes supported platinum catalysts modified by Mn, Fe, Co, Ni and Cu. <i>Journal of Molecular Catalysis A</i> , 2007, 277, 210-214.	4.8	47
9917	Molecular dynamics study of the stress-strain behavior of carbon-nanotube reinforced Epon 862 composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 447, 51-57.	5.6	200
9918	Mechanical and microstructural characterization of boron nitride nanotubes-reinforced SOFC seal glass composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 460-461, 509-515.	5.6	51
9919	Influence of inversion energy on elastic properties of single-walled carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 467, 78-88.	5.6	10
9920	Synthesis and mechanical behavior of carbon nanotube-magnesium composites hybridized with nanoparticles of alumina. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 466, 32-37.	5.6	65
9921	Synthesis of silver nanoparticles on functional multi-walled carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 465, 283-286.	5.6	32
9922	Synthesis of hollow carbon nanospheres through a ZnSe nanoparticle template route. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 466, 96-100.	5.6	13
9923	Facile alcohothermal synthesis of large-scale ceria nanowires with organic surfactant assistance. <i>Physica B: Condensed Matter</i> , 2007, 390, 59-64.	2.7	27
9924	Multifunctional carbon nanotube yarns and transparent sheets: Fabrication, properties, and applications. <i>Physica B: Condensed Matter</i> , 2007, 394, 339-343.	2.7	116
9925	An exhaustive classification scheme for single-wall carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2007, 393, 195-203.	2.7	5
9926	Si-coated single-walled carbon nanotubes under axial loads: An atomistic simulation study. <i>Physica B: Condensed Matter</i> , 2007, 393, 217-222.	2.7	11
9927	Fabrication of flexible and transparent single-wall carbon nanotube gas sensors by vacuum filtration and poly(dimethyl siloxane) mold transfer. <i>Microelectronic Engineering</i> , 2007, 84, 1610-1613.	2.4	61

#	ARTICLE	IF	CITATIONS
9928	Graphitic tube transformation of FIB-CVD pillar by Joule heating with flash discharge. Microelectronic Engineering, 2007, 84, 1507-1510.	2.4	6
9929	Impact of the Cu-based substrates and catalyst deposition techniques on carbon nanotube growth at low temperature by PECVD. Microelectronic Engineering, 2007, 84, 2501-2505.	2.4	20
9930	Synthesis and properties of poly(ether urethane) membranes filled with isophorone diisocyanate-grafted carbon nanotubes. Journal of Membrane Science, 2007, 288, 261-267.	8.2	44
9931	Carbon nanotube composite membranes of brominated poly(2,6-diphenyl-1,4-phenylene oxide) for gas separation. Journal of Membrane Science, 2007, 294, 178-185.	8.2	223
9932	Voltammetric determination of quercetin at a multi-walled carbon nanotubes paste electrode. Microchemical Journal, 2007, 85, 244-249.	4.5	80
9933	Structured silica reactor with aligned carbon nanotubes as catalyst support for liquid-phase reaction. Journal of Molecular Catalysis A, 2007, 267, 92-97.	4.8	42
9934	Electrical resistivity of bulk multi-walled carbon nanotubes synthesized by an infusion chemical vapor deposition method. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 443, 42-46.	5.6	52
9935	Processing and properties of carbon nanotubes reinforced aluminum composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 444, 138-145.	5.6	351
9936	A molecular-mechanics based finite element model for strength prediction of single wall carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 454-455, 170-177.	5.6	50
9937	A novel strategy to fabricate Fe_2O_3 -MWCNTs hybrids with selectively ferromagnetic or superparamagnetic properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 454-455, 37-42.	5.6	17
9938	Effects of thermal annealing on the properties of ZnO-coated MgO nanowires. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 136, 148-153.	3.5	17
9939	Study on the electron cyclotron resonance plasma chemical vapor deposition of carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 140, 44-47.	3.5	2
9940	On X-ray waveguiding in nanochannels: Channeling formalism. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 756-763.	1.6	10
9941	Electrodeposition of nickel nanoparticles on functional MWCNT surfaces for ethanol oxidation. Journal of Power Sources, 2007, 166, 80-86.	7.8	102
9942	Reversible high capacity nanocomposite anodes of Si/C/SWNTs for rechargeable Li-ion batteries. Journal of Power Sources, 2007, 172, 650-658.	7.8	102
9943	Simple synthesis of Pt nanoparticles on noncovalent functional MWNT surfaces: Application in ethanol electrocatalysis. Journal of Power Sources, 2007, 173, 178-182.	7.8	21
9944	The electrochemical capacitance of nanoporous carbons in aqueous and ionic liquids. Journal of Power Sources, 2007, 171, 1054-1061.	7.8	55
9945	Carbon nanotube assisted synthesis of CeO_2 nanotubes. Journal of Solid State Chemistry, 2007, 180, 654-660.	2.9	120

#	ARTICLE	IF	CITATIONS
9946	Controlled synthesis of CuO nanostructures by a simple solution route. Journal of Solid State Chemistry, 2007, 180, 1390-1396.	2.9	127
9947	Self-catalyst growth of single-crystalline CaB ₆ nanostructures. Journal of Solid State Chemistry, 2007, 180, 2577-2580.	2.9	26
9948	Role of intertube spacing in the pullout forces of double-walled carbon nanotubes. Materials & Design, 2007, 28, 2197-2201.	5.1	11
9949	Optimization of a thermal-CVD system for carbon nanotube growth. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 16-20.	2.7	45
9950	Effects of plasma treatment on microstructure and electron field emission properties of screen-printed carbon nanotube films. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 36, 28-33.	2.7	36
9951	Formation of silicon oxide nanowires directly from Au/Si and Pd/Au/Si substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 158-162.	2.7	27
9952	Characteristics of SiO _x nanowires synthesized via the thermal heating of Cu-coated Si substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 163-167.	2.7	14
9953	Gas-sensing properties of well-crystalline ZnO nanorods grown by a simple route. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 36, 102-105.	2.7	58
9954	The synthesis of multi-walled carbon nanotubes (MWNTs) by catalytic pyrolysis of the phenol-formaldehyde resins. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 44-48.	2.7	107
9955	Filling of single-walled carbon nanotubes by CuI nanocrystals via capillary technique. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 62-65.	2.7	49
9956	Structural and electronic properties of lithium endohedral doped carbon nanocapsules. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 36, 211-216.	2.7	1
9957	Synthesis of multi-walled carbon nanotubes for NH ₃ gas detection. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 37, 54-57.	2.7	39
9958	Study of Xe and Kr adsorption on open single-walled carbon nanotubes using molecular dynamics simulations. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 39, 166-170.	2.7	25
9959	Nanoindentation of vertical ZnO nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 39, 240-243.	2.7	8
9960	Double-walled carbon nanotube with surrounding elastic medium under axial pressure. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 39, 230-239.	2.7	51
9961	The electronic transport properties of carbon nanotube peapods. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 99-102.	2.7	6
9962	The fabrication of Te nanowires with different orientations by vacuum vapor deposition. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 362, 61-65.	2.1	19
9963	Synthesis and structural characterization of Ba _{0.6} Sr _{0.4} TiO ₃ nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 356-359.	2.1	26

#	ARTICLE	IF	CITATIONS
9964	Thermal diffusivity and conductivity of multiwalled carbon nanotube arrays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 120-123.	2.1	116
9965	Torsional buckling of carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 367, 135-139.	2.1	50
9966	One dimensional nanostructured materials. Progress in Materials Science, 2007, 52, 699-913.	32.8	567
9967	Synthesis of straight and helical carbon nanotubes from catalytic pyrolysis of polyethylene. Polymer Degradation and Stability, 2007, 92, 2005-2010.	5.8	61
9968	Fractionated crystallization in PA6/ABS blends: Influence of a reactive compatibilizer and multiwall carbon nanotubes. Polymer, 2007, 48, 356-362.	3.8	97
9969	Morphology and mechanical properties of Nylon 6/MWNT nanofibers. Polymer, 2007, 48, 1096-1104.	3.8	165
9970	A facile approach to covalently functionalized carbon nanotubes with biocompatible polymer. Polymer, 2007, 48, 3658-3663.	3.8	123
9971	Electrochemical synthesis of functional polypyrrole nanotubes via a self-assembly process. Polymer, 2007, 48, 4021-4027.	3.8	78
9972	Preparation of multi-walled carbon nanotubes grafted with synthetic poly(L-lysine) through surface-initiated ring-opening polymerization. Polymer, 2007, 48, 4352-4360.	3.8	37
9973	Relationship between dispersion metric and properties of PMMA/SWNT nanocomposites. Polymer, 2007, 48, 4855-4866.	3.8	162
9974	Multiwall carbon nanotube elastomeric composites: A review. Polymer, 2007, 48, 4907-4920.	3.8	672
9975	A new processing technique for copper-graphite multifilamentary nanocomposite wire: Microstructures and electrical properties. Journal of Materials Processing Technology, 2007, 182, 50-57.	6.3	39
9976	Consolidation of 1vol.% carbon nanotube reinforced metal matrix nanocomposites via equal channel angular pressing. Journal of Materials Processing Technology, 2007, 187-188, 318-320.	6.3	71
9977	Synthesis of manganese oxide/carbon nanotube nanocomposites using wet chemical method. Journal of Materials Processing Technology, 2007, 190, 402-405.	6.3	24
9978	Floating catalyst CVD synthesis of carbon nanotubes from CpFe(CO)2X (X=Me, I): Poisoning effects of I. Journal of Organometallic Chemistry, 2007, 692, 2965-2970.	1.8	14
9979	Low-temperature synthesis of ZnO nanonails. Journal of Physics and Chemistry of Solids, 2007, 68, 1681-1684.	4.0	17
9980	Improved electrochemical properties of prussian blue by multi-walled carbon nanotubes. Journal of Electroanalytical Chemistry, 2007, 603, 59-66.	3.8	105
9981	Vertical attachment of DNA-CNT hybrids on gold. Journal of Electroanalytical Chemistry, 2007, 606, 47-54.	3.8	26

#	ARTICLE	IF	CITATIONS
9982	Effect of collector grounding on directionality of electrospun titania fibers. Journal of the European Ceramic Society, 2007, 27, 3651-3654.	5.7	27
9983	Syntheses and properties of fluorinated carbon materials. Journal of Fluorine Chemistry, 2007, 128, 392-403.	1.7	150
9984	Removal of nickel ions from water by multi-walled carbon nanotubes. Journal of Hazardous Materials, 2007, 146, 283-288.	12.4	302
9985	Multiwalled carbon nanotubes for speciation of chromium in environmental samples. Journal of Hazardous Materials, 2007, 147, 219-225.	12.4	322
9986	Hydrothermal synthesis and photoluminescent properties of ZnO nanorods. Journal of Luminescence, 2007, 122-123, 819-821.	3.1	22
9987	Synthesis of carbon nanotubes on Ni-alloy and Si-substrates using counterflow methane-air diffusion flames. Proceedings of the Combustion Institute, 2007, 31, 1849-1856.	3.9	32
9988	Low energy electron beam irradiator using sprayed double walled carbon nanotubes. Radiation Physics and Chemistry, 2007, 76, 1783-1786.	2.8	0
9989	The calculations of phonon dispersion relations for single-wall carbon armchair and zigzag nanotubes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2007, 68, 1149-1152.	3.9	2
9990	Sorption of divalent metal ions from aqueous solution by carbon nanotubes: A review. Separation and Purification Technology, 2007, 58, 224-231.	7.9	940
9991	Adsorption of uraemic toxins on carbon nanotubes. Separation and Purification Technology, 2007, 58, 2-6.	7.9	77
9992	Hydrogen storage in platelet graphite nanofibers. Separation and Purification Technology, 2007, 58, 219-223.	7.9	39
9993	Carbon nanotube micropatterns and cantilever arrays fabricated with layer-by-layer nano self-assembly. Sensors and Actuators A: Physical, 2007, 136, 510-517.	4.1	21
9994	A review of DNA functionalized/grafted carbon nanotubes and their characterization. Sensors and Actuators B: Chemical, 2007, 122, 672-682.	7.8	271
9995	In situ synthesized composite thin films of MWCNTs/PMMA doped with KOH as a resistive humidity sensor. Sensors and Actuators B: Chemical, 2007, 124, 303-308.	7.8	59
9996	Selective sequestering of multi-walled carbon nanotubes in self-assembled block copolymer. Sensors and Actuators B: Chemical, 2007, 126, 301-305.	7.8	33
9997	Sensors for organic vapor detection based on composites of carbon nanotubes functionalized with polymers. Sensors and Actuators B: Chemical, 2007, 124, 360-367.	7.8	61
9998	Fabrication of interfaces between carbon nanotubes and catalytic palladium using dielectrophoresis and its application to hydrogen gas sensor. Sensors and Actuators B: Chemical, 2007, 127, 505-511.	7.8	50
9999	The adsorption-desorption process of bovine serum albumin on carbon nanotubes. Journal of Colloid and Interface Science, 2007, 307, 349-356.	9.4	98

#	ARTICLE	IF	CITATIONS
10000	RBM band shift-evidenced dispersion mechanism of single-wall carbon nanotube bundles with NaDDBS. Journal of Colloid and Interface Science, 2007, 308, 276-284.	9.4	55
10001	Synthesis of highly-ordered mesoporous silica particles using mixed cationic and anionic surfactants as templates. Journal of Colloid and Interface Science, 2007, 312, 42-46.	9.4	26
10002	Controlled synthesis of γ -Fe ₂ O ₃ nanorods and its size-dependent optical absorption, electrochemical, and magnetic properties. Journal of Colloid and Interface Science, 2007, 312, 513-521.	9.4	114
10003	Solution synthesis of magnesium hydroxide sulfate hydrate nanobelts using sparingly soluble carbonate salts as supersaturation control agents. Journal of Colloid and Interface Science, 2007, 316, 183-188.	9.4	13
10004	3D flower-like Y ₂ O ₃ :Eu ³⁺ nanostructures: Template-free synthesis and its luminescence properties. Journal of Colloid and Interface Science, 2007, 316, 921-929.	9.4	67
10005	Growth of PbS microtubes with quadrate cross sections. Journal of Crystal Growth, 2007, 299, 17-21.	1.5	15
10006	Fabrication of large-scale, layer-deposited, low oxygen-content and uniform silicon nanowires. Journal of Crystal Growth, 2007, 303, 391-394.	1.5	4
10007	Microstructure characteristics and interface morphology evolvement of Si-TaSi ₂ eutectic in situ composite for field emission. Journal of Crystal Growth, 2007, 299, 248-253.	1.5	7
10008	Formation of CuS nanotube arrays from CuCl Nanorods through a gas-solid reaction route. Journal of Crystal Growth, 2007, 299, 386-392.	1.5	50
10009	Self-catalyst growth of EuB ₆ nanowires and nanotubes. Journal of Crystal Growth, 2007, 303, 466-471.	1.5	25
10010	Hydrothermal formation and characterization of magnesium hydroxide chloride hydrate nanowires. Journal of Crystal Growth, 2007, 305, 167-174.	1.5	14
10011	Fabrication of MgB ₂ nanowire and its superconductivity. Journal of Crystal Growth, 2007, 304, 460-463.	1.5	15
10012	Micro- and nanowires of iodine-containing Cu ₄ Bi ₄ S ₉ . Journal of Crystal Growth, 2007, 306, 212-216.	1.5	5
10013	Synthesis and Raman scattering of γ -SiC/SiO ₂ core-shell nanowires. Journal of Crystal Growth, 2007, 308, 263-268.	1.5	66
10014	Graphene: carbon in two dimensions. Materials Today, 2007, 10, 20-27.	14.2	1,393
10015	Carbon nanotubes “becoming clean. Materials Today, 2007, 10, 28-35.	14.2	294
10016	Diamond-like carbon for data and beer storage. Materials Today, 2007, 10, 44-53.	14.2	222
10017	Carbon nanotubes for nanorobotics. Nano Today, 2007, 2, 12-21.	11.9	94

#	ARTICLE	IF	CITATIONS
10018	Nanotube electrodes and biosensors. Nano Today, 2007, 2, 30-37.	11.9	731
10019	Space elevator: out of order?. Nano Today, 2007, 2, 44-47.	11.9	232
10020	Adsorptive Voltammetric Determination of Cisapride at a Carbon Nanotubes Paste Electrode. Chinese Journal of Analytical Chemistry, 2007, 35, 1018-1020.	1.7	6
10021	Mechanism and Microstructure of Electroless Ni-Fe-P Plating on CNTs. Mining Science and Technology, 2007, 17, 424-427.	0.8	13
10022	Electronic structures of finite double-walled carbon nanotubes. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 509-511.	0.8	1
10023	Hosoya polynomials of armchair open-ended nanotubes. International Journal of Quantum Chemistry, 2007, 107, 586-596.	2.0	15
10024	Nanotube field of C60 and C70 molecules in carbon nanotubes. International Journal of Quantum Chemistry, 2007, 107, 2294-2319.	2.0	6
10025	First-principles properties of organic polymer photovoltaic materials. International Journal of Quantum Chemistry, 2007, 107, 3120-3125.	2.0	4
10026	Advances in Carbon-Nanotube Assembly. Small, 2007, 3, 24-42.	10.0	174
10027	Transfer Printing of Submicrometer Patterns of Aligned Carbon Nanotubes onto Functionalized Electrodes. Small, 2007, 3, 616-621.	10.0	27
10028	Controlled Assembly of Spherical Nanoparticles: Nanowires and Spherulites. Small, 2007, 3, 628-635.	10.0	21
10029	Assemblies of Carbon Nanotubes and Unencapsulated Sub-10-nm Gold Nanoparticles. Small, 2007, 3, 1266-1271.	10.0	12
10030	Purification of Semiconducting Carbon Nanotubes. Small, 2007, 3, 366-367.	10.0	12
10031	Semiconducting Cyanide-Transition-Metal Nanotubes. Small, 2007, 3, 1253-1258.	10.0	5
10032	Self-Templated Growth of Carbon Nanotube Walls at High Temperatures. Small, 2007, 3, 1735-1739.	10.0	22
10033	Single-Walled Carbon Nanotube Spectroscopic and Electronic Field-Effect Transistor Measurements: A Combined Approach. Small, 2007, 3, 1324-1329.	10.0	18
10034	Nanomechanical Investigation of MoS_2 Nanowire Bundles. Small, 2007, 3, 1544-1548.	10.0	25
10035	Oligodeoxyribonucleotide Association with Single-Walled Carbon Nanotubes Studied by SPM. Small, 2007, 3, 1912-1920.	10.0	19

#	ARTICLE	IF	CITATIONS
10036	Formation of Nanotubes and Hollow Nanoparticles Based on Kirkendall and Diffusion Processes: A Review. <i>Small</i> , 2007, 3, 1660-1671.	10.0	872
10037	Separation of Metallic and Semiconducting Single-Walled Carbon Nanotubes via Covalent Functionalization. <i>Small</i> , 2007, 3, 1672-1676.	10.0	94
10038	Facile approach to obtain individual-nanotube dispersion at high loading in carbon nanotubes/polyimide composites. <i>Polymers for Advanced Technologies</i> , 2007, 18, 458-462.	3.2	20
10039	Noncovalent-wrapped sidewall functionalization of multiwalled carbon nanotubes with polyimide. <i>Polymer Composites</i> , 2007, 28, 36-41.	4.6	40
10040	Crystallization behaviors and mechanical properties of poly(ethylene 2,6-naphthalate)/multiwall carbon nanotube nanocomposites. <i>Polymer Engineering and Science</i> , 2007, 47, 1715-1723.	3.1	67
10041	Vertically self-aligned conical carbon nanofibers by pulsed discharge plasma chemical vapour deposition and its field electron emission. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 3096-3101.	1.8	2
10042	Transparent conducting antimony-doped tin oxide films containing functionalized multi-walled carbon nanotubes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 3380-3386.	1.8	9
10043	Characterization of the DNA-assisted purification of single-walled carbon nanotubes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 1791-1796.	1.8	8
10044	Femtosecond electron-ion dynamics in excited nano-materials: Real-time propagation based on the time-dependent density functional theory. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 1925-1930.	1.8	3
10045	Transmission and localization in cavities of nanotubes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 1892-1897.	1.8	3
10046	Carbon nanotubes grown from individual gas phase prepared iron catalyst particles. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 1786-1790.	1.8	13
10047	Is the smallest carbon nanotube (2,2) a metal or a semiconductor?. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 3137-3142.	1.5	7
10048	High pressure studies of the radial breathing modes in double-wall carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 127-135.	1.5	6
10049	Pressure dependence of Raman modes in DWCNT filled with PbI ₂ semiconductor. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 136-141.	1.5	4
10050	TiSi ₂ nanostructures – enhanced conductivity at nanoscale?. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 3593-3600.	1.5	8
10051	DNA-carbon nanotube interactions and nanostructuring based on DNA. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4026-4029.	1.5	21
10052	Anisotropic packing of C ₇₀ molecules in carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4279-4282.	1.5	0
10053	Covalently functionalized carbon nanotubes as macroinitiators for radical polymerization. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4046-4050.	1.5	28

#	ARTICLE	IF	CITATIONS
10054	Electronic properties of graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4106-4111.	1.5	291
10055	Fabrication of polymer hollow nanospheres by a swelling–evaporation strategy. <i>Journal of Polymer Science Part A</i> , 2007, 45, 2638-2645.	2.3	24
10056	Preparation and morphological, electrical, and mechanical properties of polyimide-grafted MWCNT/polyimide composite. <i>Journal of Polymer Science Part A</i> , 2007, 45, 3349-3358.	2.3	81
10057	Synthesis of polystyrene brush on multiwalled carbon nanotubes treated with KMnO_4 in the presence of a phase-transfer catalyst. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4413-4420.	2.3	47
10058	Synthesis and characterization of polyethylene chains grafted onto the sidewalls of single-walled carbon nanotubes via copolymerization. <i>Journal of Polymer Science Part A</i> , 2007, 45, 5459-5469.	2.3	26
10059	Incorporation of carbon nanotubes into polyethylene by high energy ball milling: Morphology and physical properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 597-606.	2.1	127
10060	Electrical conducting behaviors in polymeric composites with carbonaceous fillers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1037-1044.	2.1	52
10061	Isothermal crystallization kinetics of polypropylene with silane functionalized multi-walled carbon nanotubes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 1616-1624.	2.1	73
10062	Rheology of multi-walled carbon nanotube/poly(butylene terephthalate) composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2239-2251.	2.1	108
10063	Rheological properties and crystallization behavior of multi-walled carbon nanotube/poly(ϵ -caprolactone) composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 3137-3147.	2.1	152
10064	Plasma Modification of Carbon Nanotubes and Bucky Papers. <i>Plasma Processes and Polymers</i> , 2007, 4, S871-S877.	3.0	38
10065	Preparation and characterization of poly[(butylene succinate)-co-(butylene adipate)]/carbon nanotube-coated silk fiber composites. <i>Polymer International</i> , 2007, 56, 1035-1039.	3.1	19
10066	The influence of ethanol on the growth and structure of carbon nanotubes. <i>Inorganic Materials</i> , 2007, 43, 138-142.	0.8	0
10067	Synthesis of CNTs via ethanol decomposition over ball-milled Fe_2O_3 coated copper sheets. <i>Inorganic Materials</i> , 2007, 43, 143-147.	0.8	8
10068	The influence of different atmosphere gases on the growth and structure of double-walled carbon nanotubes. <i>Inorganic Materials</i> , 2007, 43, 475-479.	0.8	4
10069	Preparation of parallel arrayed carbon nanotube film and its structure research. <i>Inorganic Materials</i> , 2007, 43, 696-699.	0.8	2
10070	A method for forming a single metal nanowire using track membrane templates. <i>Instruments and Experimental Techniques</i> , 2007, 50, 415-417.	0.5	1
10071	Playing with carbon and silicon at the nanoscale. <i>Nature Materials</i> , 2007, 6, 479-490.	27.5	273

#	ARTICLE	IF	CITATIONS
10072	Engineering of nanostructured carbon materials with electron or ion beams. <i>Nature Materials</i> , 2007, 6, 723-733.	27.5	898
10073	Fluid flow in carbon nanotubes and nanopipes. <i>Nature Nanotechnology</i> , 2007, 2, 87-94.	31.5	593
10074	Measuring more than mass. <i>Nature Nanotechnology</i> , 2007, 2, 18-19.	31.5	41
10075	Cloning carbon. <i>Nature Nanotechnology</i> , 2007, 2, 17-18.	31.5	29
10076	A career in carbon. <i>Nature Nanotechnology</i> , 2007, 2, 590-591.	31.5	6
10077	Application of Co-Mo/CNT catalyst in hydro-cracking of Gudao vacuum residue. <i>Journal of Fuel Chemistry and Technology</i> , 2007, 35, 407-411.	2.0	15
10078	Reinforcement of Calcium Phosphate Cement by Bio-Mineralized Carbon Nanotube. <i>Journal of the American Ceramic Society</i> , 2007, 90, 962-964.	3.8	65
10079	Hydroxyapatite?Carbon Nanotube Composites for Biomedical Applications: A Review. <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 1-13.	2.1	356
10080	Role of carbon nano-materials in the analysis of biological materials by laser desorption/ionization-mass spectrometry. <i>Journal of Proteomics</i> , 2007, 70, 319-328.	2.4	60
10081	Synthesis and characterization of metal nanoparticles-decorated PPY/CNT composite and their electrocatalytic oxidation of formic acid and formaldehyde for fuel cell applications. <i>Applied Catalysis B: Environmental</i> , 2007, 75, 129-138.	20.2	154
10082	The investigation of adsorptive performance on modified multi-walled carbon nanotubes by mechanical ball milling. <i>Materials Chemistry and Physics</i> , 2007, 101, 30-34.	4.0	18
10083	Synthesis of Eu ³⁺ doped Y ₂ O ₃ nanotube arrays through an electric field-assisted deposition method. <i>Materials Chemistry and Physics</i> , 2007, 101, 195-198.	4.0	16
10084	A novel route to CdS nanocrystals with strong electrogenerated chemiluminescence. <i>Materials Chemistry and Physics</i> , 2007, 101, 317-321.	4.0	24
10085	Hydrothermal synthesis and characterization of ZnS microspheres and hollow nanospheres. <i>Materials Chemistry and Physics</i> , 2007, 103, 24-27.	4.0	41
10086	Temperature dependence of Ga ₂ O ₃ micro/nanostructures via vapor phase growth. <i>Materials Chemistry and Physics</i> , 2007, 103, 14-18.	4.0	23
10087	Large-scale in situ synthesis and characterization of ternary single-crystal NaV ₆ O ₁₅ nanoneedles. <i>Materials Chemistry and Physics</i> , 2007, 104, 362-366.	4.0	16
10088	Structure of nanocarbons prepared by arc discharge in water. <i>Materials Chemistry and Physics</i> , 2007, 105, 175-178.	4.0	42
10089	Synthesis, characterization and electrocatalytic properties of FeCo alloy nanoparticles supported on carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2007, 105, 391-394.	4.0	17

#	ARTICLE	IF	CITATIONS
10090	Low temperature growth of carbon nanotubes by thermal chemical vapor deposition using non-isothermal deposited Ni–Pd as co-catalyst. Materials Chemistry and Physics, 2007, 106, 399-405.	4.0	9
10091	The effect of high-temperature annealing on the structure and electrical properties of well-aligned carbon nanotubes. Materials Research Bulletin, 2007, 42, 474-481.	5.2	77
10092	Preparation and properties of powder styrene–butadiene rubber composites filled with carbon black and carbon nanotubes. Materials Research Bulletin, 2007, 42, 456-464.	5.2	61
10093	Surfactant controlled synthesis of crystalline phosphovanadate nanorods. Materials Research Bulletin, 2007, 42, 686-695.	5.2	7
10094	Supported zirconium sulfate on carbon nanotubes as water-tolerant solid acid catalyst. Materials Research Bulletin, 2007, 42, 1278-1285.	5.2	37
10095	Synthesis of polyoxometalates-functionalized carbon nanotubes composites and relevant electrochemical properties study. Materials Research Bulletin, 2007, 42, 1485-1491.	5.2	29
10096	Microwave-accelerated dissolution of MWNT in aniline. Materials Letters, 2007, 61, 16-18.	2.6	15
10097	Multi-walled carbon nanotubes produced by hydrogen DC arc discharge at elevated environment temperature. Materials Letters, 2007, 61, 389-391.	2.6	14
10098	Physical activation and characterization of multi-walled carbon nanotubes catalytically synthesized from methane. Materials Letters, 2007, 61, 681-685.	2.6	16
10099	Coating carbon nanotubes with iron oxide using methanol–thermal reaction. Materials Letters, 2007, 61, 697-700.	2.6	16
10100	The multi-staged formation process of titanium oxide nanotubes and its thermal stability. Materials Letters, 2007, 61, 730-735.	2.6	16
10101	Effect of doping levels on the pore structure of carbon nanotube/silica xerogel composites. Materials Letters, 2007, 61, 644-647.	2.6	18
10102	Catalytic chemical vapor deposition of carbon nanotubes using Ni–La–O precursors. Materials Letters, 2007, 61, 2749-2752.	2.6	19
10103	Chemical stability of carbon nanotubes in the 2024Al matrix. Materials Letters, 2007, 61, 904-907.	2.6	45
10104	Preparation and characterization of γ -MnO ₂ /CNTs nanocomposite. Materials Letters, 2007, 61, 934-936.	2.6	40
10105	Fluorine atom induced modification of the surface microstructure in polyhedral graphite particles. Materials Letters, 2007, 61, 1068-1070.	2.6	4
10106	Carbon nanobelts synthesized via chemical metathesis route. Materials Letters, 2007, 61, 1122-1124.	2.6	11
10107	Spray drying process to synthesize multiple fullerene-like MoS ₂ particles. Materials Letters, 2007, 61, 1303-1306.	2.6	11

#	ARTICLE	IF	CITATIONS
10108	Radiolytic synthesis of conducting polypyrrole/carbon nanotube composites. Materials Letters, 2007, 61, 1688-1692.	2.6	77
10109	Synthesis of multi-walled carbon nanotube bundles with uniform diameter. Materials Letters, 2007, 61, 1955-1958.	2.6	11
10110	Preparation and characterization of carbon nanotubes/aluminum matrix composites. Materials Letters, 2007, 61, 1725-1728.	2.6	127
10111	Preparation of Li-MnO_2 nanowires through a Li-MnOOH precursor route. Materials Letters, 2007, 61, 1785-1788.	2.6	17
10112	A new route to synthesis of Al_2O_3 -alumina nanorods. Materials Letters, 2007, 61, 1812-1815.	2.6	76
10113	The effect of substrate morphology on the diameter distribution of carbon nanotubes grown on silica and ceramic substrates. Materials Letters, 2007, 61, 1899-1903.	2.6	5
10114	Gas-phase growth of diameter-controlled carbon nanotubes. Materials Letters, 2007, 61, 2079-2083.	2.6	19
10115	Transformation of carbon nanotubes to diamond in microwave hydrogen plasma. Materials Letters, 2007, 61, 2208-2211.	2.6	18
10116	PEG-mediated synthesis of ZnO nanostructures at room temperature. Materials Letters, 2007, 61, 2551-2555.	2.6	28
10117	Templated synthesis of metal nanotubes via electroless deposition. Materials Letters, 2007, 61, 2641-2643.	2.6	7
10118	$\text{VO}_2(\text{R})$ nanobelts resulting from the irreversible transformation of $\text{VO}_2(\text{B})$ nanobelts. Materials Letters, 2007, 61, 2644-2647.	2.6	45
10119	Lithium insertion into the composites of acid-oxidized carbon nanotubes and tin oxide. Materials Letters, 2007, 61, 3103-3105.	2.6	4
10120	Hydrothermal synthesis and characterization of single-crystalline Fe_3O_4 nanowires with high aspect ratio and uniformity. Materials Letters, 2007, 61, 3159-3162.	2.6	67
10121	Magnetorheology of single-walled nanotube dispersions. Materials Letters, 2007, 61, 3116-3118.	2.6	27
10122	Synthesis and electrochemical properties of nanostructured LiMn_2O_4 for lithium-ion batteries. Materials Letters, 2007, 61, 3597-3600.	2.6	22
10123	Dispersion of multiwall carbon nanotubes by sodium dodecyl sulfate for preparation of modified electrodes toward detecting hydrogen peroxide. Materials Letters, 2007, 61, 3571-3574.	2.6	68
10124	High-yield synthesis of single-crystalline 3C-SiC nanowires by a facile autoclave route. Materials Letters, 2007, 61, 3913-3915.	2.6	19
10125	Synthesis, optical and field emission properties of three different ZnO nanostructures. Materials Letters, 2007, 61, 3890-3892.	2.6	23

#	ARTICLE	IF	CITATIONS
10126	Facile route to fabricate large-scale silver microtubes. Materials Letters, 2007, 61, 2904-2907.	2.6	15
10127	Electrorheological properties of poly(acrylonitrile) microspheres coated with multiwall carbon nanotubes. Materials Letters, 2007, 61, 3995-3999.	2.6	21
10128	Carbon dioxide as a carbon source for synthesis of carbon nanotubes by chemical vapor deposition. Materials Letters, 2007, 61, 4235-4237.	2.6	34
10129	Investigation of the microwave-absorbing properties of Fe-filled carbon nanotubes. Materials Letters, 2007, 61, 3547-3550.	2.6	133
10130	Dissolution, characterization and photofunctionalization of carbon nanotubes. Materials Letters, 2007, 61, 4351-4353.	2.6	17
10131	Multi-walled carbon nanotube growth on oxidized silicon substrates using cyclohexane precursor by chemical vapor deposition. Materials Letters, 2007, 61, 4301-4304.	2.6	4
10132	Polypyrrole/multiwall carbon nanotube nanocomposites electropolymerized on copper substrate. Materials Letters, 2007, 61, 4412-4415.	2.6	28
10133	The production of high purity carbon nanotubes with high yield using cobalt formate catalyst on carbon black. Materials Letters, 2007, 61, 4496-4499.	2.6	15
10134	Synthesis of polyhedral graphite in a forced flow arc discharge. Materials Letters, 2007, 61, 4781-4783.	2.6	22
10135	A simple and low-temperature hydrothermal route for the synthesis of tubular γ -FeOOH. Materials Letters, 2007, 61, 4794-4796.	2.6	36
10136	Synthesis and characterization of carbon spheres prepared by chemical vapour deposition. Materials Letters, 2007, 61, 4854-4856.	2.6	22
10137	Carbon nanotubes and diamond-like carbon films produced by cathodic micro-arc discharge in aqueous solutions. Materials Letters, 2007, 61, 4916-4919.	2.6	17
10138	Growth of calcium carbonate on non-covalently modified carbon nanotubes. Materials Letters, 2007, 61, 5044-5046.	2.6	19
10139	Water-assisted growth and characterization of SnO ₂ nanobelts. Materials Letters, 2007, 61, 5113-5116.	2.6	14
10140	Preparation of ZnO nanorods through wet chemical method. Materials Letters, 2007, 61, 5202-5205.	2.6	88
10141	Preparation of Cu nanoparticles on carbon nanotubes by solution infusion method and calcining in ambient atmosphere. Materials Letters, 2007, 61, 5255-5257.	2.6	9
10142	Evaluating the orientation and dispersion of carbon nanotubes inside nanocomposites by a focused-ion-beam technique. Materials Letters, 2007, 61, 5095-5097.	2.6	7
10143	Efficient direct water dispersion of multi-walled carbon nanotubes by functionalization with lysine. Materials Letters, 2007, 61, 5285-5287.	2.6	28

#	ARTICLE	IF	CITATIONS
10144	Thermal conductivity in multi-wall carbon nanotube/silica-based nanocomposites. Scripta Materialia, 2007, 56, 265-268.	5.2	104
10145	Photocurrent response of the carbon nanotube-silicon heterojunction array. IET Circuits, Devices and Systems, 2007, 1, 200.	1.4	9
10146	Fabrication of arched MEMS electric contactor with Cu-based carbon nanofibre composite film. Micro and Nano Letters, 2007, 2, 58.	1.3	1
10147	Growth of Aligned Carbon Nanotubes on Large Scale by Methane Decomposition with Deactivation Inhibitor. Journal of Natural Gas Chemistry, 2007, 16, 382-388.	1.8	8
10148	Morphology Control of Anatase TiO ₂ by Surfactant-assisted Hydrothermal Method. Chinese Journal of Chemical Engineering, 2007, 15, 754-759.	3.5	43
10149	Direct electron transfer of hemoglobin on dihexadecyl hydrogen phosphate/single-wall carbon nanotubes film modified Au electrode and its interaction with taxol. Russian Journal of Electrochemistry, 2007, 43, 764-769.	0.9	2
10150	Cathodic doping of thin-layered composites. Formed by electroactive polymers and rubbed single-walled carbon nanotubes. Russian Journal of Electrochemistry, 2007, 43, 1064-1068.	0.9	3
10151	Electrical conductivity of double-walled carbon nanotubes in the framework of the Hubbard model. Physics of the Solid State, 2007, 49, 189-196.	0.6	22
10152	The nanoactuator based on a carbon nanotube. Physics of the Solid State, 2007, 49, 1004-1012.	0.6	5
10153	Control of the motion of nanoelectromechanical systems based on carbon nanotubes. Physics of the Solid State, 2007, 49, 2010-2014.	0.6	7
10154	Tribological behavior of nanocomposites produced by the dispersion of nanofillers in polymer melts. Journal of Friction and Wear, 2007, 28, 457-475.	0.5	33
10155	Carbon nanostructures in an ammonium medium. Russian Journal of General Chemistry, 2007, 77, 1655-1661.	0.8	0
10156	Formation of the pore structure in xerogel films based on ultra-high-molecular-weight polyethylene and multiwall carbon nanotubes. Russian Journal of Applied Chemistry, 2007, 80, 960-964.	0.5	1
10157	Localized electronic states in nanoscale systems. Russian Journal of Physical Chemistry B, 2007, 1, 635-643.	1.3	1
10158	The kinetics of carbon nanostructure 2D-3D transformation. Russian Journal of Physical Chemistry B, 2007, 1, 675-684.	1.3	7
10159	Neuroprotection at the Nanolevel-Part I. Annals of the New York Academy of Sciences, 2007, 1122, 169-184.	3.8	16
10160	Drug Delivery to the Spinal Cord Tagged with Nanowire Enhances Neuroprotective Efficacy and Functional Recovery following Trauma to the Rat Spinal Cord. Annals of the New York Academy of Sciences, 2007, 1122, 197-218.	3.8	63
10161	Carbon nanotubes. Analysis of publications based on data from the VINITI review journal issue Physics (Electric Properties of Solids). Automatic Documentation and Mathematical Linguistics, 2007, 41, 287-291.	0.5	1

#	ARTICLE	IF	CITATIONS
10162	Nanosurfaces and nanostructures for artificial orthopedic implants. Nanomedicine, 2007, 2, 861-874.	3.3	103
10163	Surface Cauchy-Born analysis of surface stress effects on metallic nanowires. Physical Review B, 2007, 75, .	3.2	118
10164	Self-Assembly and Host-Guest Chemistry of a 3.5-nm Coordination Nanotube. Chemistry - an Asian Journal, 2007, 2, 468-476.	3.3	36
10165	Fabrication and Characterization of carbon nanotube tip modified by focused ion beam. , 2007, , .		2
10166	Characterisation of Nanomaterials Using Transmission Electron Microscopy. RSC Nanoscience and Nanotechnology, 2007, , 1-27.	0.2	2
10167	In-situ Environmental Transmission Electron Microscopy. RSC Nanoscience and Nanotechnology, 2007, , 268-290.	0.2	5
10168	Creation of paired electron states in the gap of semiconducting carbon nanotubes by correlated hydrogen adsorption. New Journal of Physics, 2007, 9, 275-275.	2.9	33
10169	Synthesis and Characterization of Carbon-Doped TiO ₂ Nanostructures with Enhanced Visible Light Response. Chemistry of Materials, 2007, 19, 4530-4537.	6.7	272
10170	Nano-graphene growth and texturing by Nd:YAG pulsed laser ablation of graphite on Silicon. Journal of Physics: Conference Series, 2007, 59, 616-624.	0.4	14
10171	A Study of CFD Simulation for On-chip Cooling with 2D CNT Micro-fin Array. , 2007, , .		8
10172	Atomic-Scale Detection of Organic Molecules Coupled to Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2007, 129, 10966-10967.	13.7	63
10173	In-Situ Growth of Copper Sulfide Nanocrystals on Multiwalled Carbon Nanotubes and Their Application as Novel Solar Cell and Amperometric Glucose Sensor Materials. Nano Letters, 2007, 7, 778-784.	9.1	321
10174	Electrical and thermal properties of carbon nanotube bulk materials: Experimental studies for the $\frac{328}{958} K$ temperature range. Physical Review B, 2007, 75, .	3.2	88
10175	Single Sheet Functionalized Graphene by Oxidation and Thermal Expansion of Graphite. Chemistry of Materials, 2007, 19, 4396-4404.	6.7	3,276
10176	EFFECT OF CARBON NANOTUBES ON DEVELOPING ZEBRAFISH (DANIO RERIO) EMBRYOS. Environmental Toxicology and Chemistry, 2007, 26, 708.	4.3	349
10177	Electroanalytical Application of Carbon Based Electrodes to the Pharmaceuticals. Analytical Letters, 2007, 40, 817-853.	1.8	159
10178	Gas sensors based on nanostructured materials. Analyst, The, 2007, 132, 1083.	3.5	356
10179	Spatially Resolved Raman Spectroscopy of Single- and Few-Layer Graphene. Nano Letters, 2007, 7, 238-242.	9.1	2,363

#	ARTICLE	IF	CITATIONS
10180	Apo ferritin-Templated Synthesis of Encoded Metallic Phosphate Nanoparticle Tags. Analytical Chemistry, 2007, 79, 5614-5619.	6.5	37
10181	Molecular dynamics simulations of the elastic properties of polymer/carbon nanotube composites. Computational Materials Science, 2007, 39, 315-323.	3.0	713
10182	An Electrochemical Avenue to Blue Luminescent Nanocrystals from Multiwalled Carbon Nanotubes (MWCNTs). Journal of the American Chemical Society, 2007, 129, 744-745.	13.7	1,106
10183	In situ decoration of carbon nanotubes with nearly monodisperse magnetite nanoparticles in liquid polyols. Journal of Materials Chemistry, 2007, 17, 1188.	6.7	180
10184	Local Modifications of Single-Wall Carbon Nanotubes Induced by Bond Formation with Encapsulated Fullerenes. Journal of Physical Chemistry B, 2007, 111, 1099-1109.	2.6	32
10185	Carrier Density and Effective Mass Calculations for Carbon Nanotubes. , 2007, , .		5
10186	Dielectric elastomers as next-generation polymeric actuators. Soft Matter, 2007, 3, 1116.	2.7	360
10187	Nylon 610/functionalized multiwalled carbon nanotubes composites by in situ interfacial polymerization. Materials Letters, 2007, 61, 2251-2254.	2.6	32
10188	Parallel replica dynamics for driven systems: Derivation and application to strained nanotubes. Physical Review B, 2007, 75, .	3.2	34
10189	Simulation of Inorganic Nanotubes. Springer Series in Materials Science, 2007, , 33-57.	0.6	26
10191	Protein misfolding: a route to new nanomaterials. Advanced Powder Technology, 2007, 18, 699-705.	4.1	7
10192	Growing Carbon Nanotube on Aluminum Oxides. Chemical Engineering Research and Design, 2007, 85, 332-339.	5.6	4
10193	Preparation of Novel Polymer Hybrids from Imogolite Nanofiber. Polymer Journal, 2007, 39, 1-15.	2.7	52
10194	Shot noise in a quantum dot coupled to carbon nanotube terminals applied with a microwave field. European Physical Journal B, 2007, 55, 419-427.	1.5	6
10195	Electron transport in double-walled carbon nanotubes. European Physical Journal B, 2007, 60, 45-50.	1.5	1
10196	Variable-range hopping in Fe ₇₀ Pt ₃₀ catalyzed multi-walled carbon nanotubes film. European Physical Journal B, 2007, 60, 319-324.	1.5	25
10197	Initial growth of single-walled carbon nanotubes on supported iron clusters: a molecular dynamics study. European Physical Journal D, 2007, 43, 185-189.	1.3	8
10198	Compressing a rigid filament: Buckling and cyclization. European Physical Journal E, 2007, 24, 229-241.	1.6	20

#	ARTICLE	IF	CITATIONS
10199	On the mechanics of deformation instabilities in carbon nanotubes. European Physical Journal: Special Topics, 2007, 146, 443-457.	2.6	19
10200	Inorganic fullerenes and nanotubes: Wealth of materials and morphologies. European Physical Journal: Special Topics, 2007, 149, 71-101.	2.6	34
10201	Nanosized allotropes of molybdenum disulfide. European Physical Journal: Special Topics, 2007, 149, 103-125.	2.6	65
10202	Controlled Hydrothermal Growth and Up-Conversion Emission of NaLnF ₄ (Ln = Y, Dy~Yb). Inorganic Chemistry, 2007, 46, 5404-5410.	4.0	133
10203	Stability and magnetic properties of Fe encapsulating in silicon nanotubes. Nanotechnology, 2007, 18, 235705.	2.6	15
10204	One Step Synthesis of Multiwalled Carbon Nanotube/Gold Nanocomposites for Enhancing Electrochemical Response. Chemistry of Materials, 2007, 19, 976-978.	6.7	111
10205	ELECTRON EMISSION FROM CARBON NANOTUBES. Modern Physics Letters B, 2007, 21, 1807-1830.	1.9	20
10206	Investigation of Molecular Interactions between SWNT and Polyethylene/Polypropylene/Polystyrene/Polyaniline Molecules. Journal of Physical Chemistry C, 2007, 111, 4628-4635.	3.1	176
10207	Fabrication of MgO whiskers on metal-coated substrates by heating MgB ₂ powders: Effects of Ag layer thickness. Metals and Materials International, 2007, 13, 479-482.	3.4	2
10208	Optimized carbon nanotube fiber microelectrodes as potential analytical tools. Analytical and Bioanalytical Chemistry, 2007, 389, 499-505.	3.7	35
10209	Meshless method for nonlinear heat conduction analysis of nano-composites. Heat and Mass Transfer, 2007, 43, 1097-1106.	2.1	9
10210	Electron-phonon induced conductance gaps in carbon nanotubes. Applied Physics A: Materials Science and Processing, 2007, 86, 283-288.	2.3	8
10211	STM/STS investigation of carbon nanotube junctions. Applied Physics A: Materials Science and Processing, 2007, 87, 37-40.	2.3	2
10212	EELS plasmon studies of silver/carbon core/shell nanocables prepared by simple arc discharge. Applied Physics A: Materials Science and Processing, 2007, 87, 1-6.	2.3	25
10213	Synthesis and structural characterization of the antiferroelectric lead zirconate nanotubes by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2007, 87, 27-30.	2.3	17
10214	Thermal evaporation and solution strategies to novel nanoarchitectures of silicon carbide. Applied Physics A: Materials Science and Processing, 2007, 88, 679-685.	2.3	16
10215	Preparation and properties of alumina composites modified by electric field-induced alignment of carbon nanotubes. Applied Physics A: Materials Science and Processing, 2007, 89, 761-767.	2.3	23
10216	Regular hexagonal MoS ₂ microflakes grown from MoO ₃ precursor. Applied Physics A: Materials Science and Processing, 2007, 89, 783-788.	2.3	15

#	ARTICLE	IF	CITATIONS
10217	Effects of gravity on single-wall carbon nanotubes synthesized by arc in water. Applied Physics A: Materials Science and Processing, 2007, 89, 929-932.	2.3	7
10218	Electrical properties of CNx nanotubes probed in a transmission electron microscope. Applied Physics A: Materials Science and Processing, 2007, 90, 225-229.	2.3	14
10219	Solvent-dependent optical limiting behavior of lead nanowires stabilized by [60] fullerene derivative. Applied Physics B: Lasers and Optics, 2007, 88, 89-92.	2.2	13
10220	Preparation and characterization of polyimide/carbon-nanotube composites. Macromolecular Research, 2007, 15, 357-362.	2.4	57
10221	Schrödinger Operators on Zigzag Nanotubes. Annales Henri Poincare, 2007, 8, 1151-1176.	1.7	53
10222	Force distribution for double-walled carbon nanotubes and gigahertz oscillators. Zeitschrift Fur Angewandte Mathematik Und Physik, 2007, 58, 857-875.	1.4	61
10223	Effect of boehmite nanorods on the properties of glycidoxypopyl-trimethoxysilane (GPTS) hybrid coatings. Journal of Sol-Gel Science and Technology, 2007, 44, 125-131.	2.4	20
10224	Thermal decomposition and electron microscopy studies of single-walled carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2007, 88, 885-891.	3.6	46
10225	Alumina nanotubes: preparation and textural, structural and morphological characterization. Journal of Nanoparticle Research, 2007, 9, 293-300.	1.9	15
10226	Preparation of nickel hydroxide nanorods/nanotubes and microscopic nanorings under hydrothermal conditions. Journal of Nanoparticle Research, 2007, 9, 519-522.	1.9	14
10227	Facile fabrication and optical properties of novel Pb(OH)Cl nanotubes. Journal of Nanoparticle Research, 2007, 9, 283-287.	1.9	9
10228	Covalent functionalization of multi-walled carbon nanotubes by lipase. Journal of Nanoparticle Research, 2007, 9, 1205-1210.	1.9	64
10229	Synthesis of carbon encapsulated nanocrystals of WP by reacting W(CO)6 with triphenylphosphine at elevated temperature under autogenic pressure. Journal of Nanoparticle Research, 2007, 9, 1187-1193.	1.9	16
10230	Silicon nitride nanofibers produced by the pyrolysis of SiCl4 in H2 and N2 media. Theoretical and Experimental Chemistry, 2007, 43, 85-89.	0.8	3
10231	Tribological behaviors of surfactant-functionalized carbon nanotubes as lubricant additive in water. Tribology Letters, 2007, 25, 247-253.	2.6	147
10232	Carbon Nanotube Reinforced Polyimide Thin-film for High Wear Durability. Tribology Letters, 2007, 27, 181-188.	2.6	50
10233	Chaotic flexural oscillations of a spinning nanoresonator. Nonlinear Dynamics, 2007, 51, 9-29.	5.2	8
10234	Preparation and photocatalytic behavior of TiO2-carbon nanotube hybrid catalyst for acridine dye decomposition. Reaction Kinetics and Catalysis Letters, 2007, 90, 11-18.	0.6	14

#	ARTICLE	IF	CITATIONS
10235	Multi-wall carbon nanotubes supported ruthenium for glucose hydrogenation to sorbitol. Reaction Kinetics and Catalysis Letters, 2007, 90, 233-242.	0.6	42
10236	Insights into the Second Law of Thermodynamics from Anisotropic Gas-Surface Interactions. Foundations of Physics, 2007, 37, 1660-1684.	1.3	8
10237	Rapid determination of triazophos using acetylcholinesterase biosensor based on sol-gel interface assembling multiwall carbon nanotubes. Journal of Applied Electrochemistry, 2007, 37, 893-898.	2.9	41
10238	Differential formation of allophane and imogolite: experimental and molecular orbital study. Journal of Computer-Aided Materials Design, 2007, 14, 5-18.	0.7	42
10239	Tight-binding and $\vec{k} \cdot \vec{p}$ methods in carbon nanotubes: features, comparison and improvements. Journal of Computational Electronics, 2007, 6, 211-214.	2.5	0
10240	Effect of Ni loading and reaction temperature on the formation of carbon nanotubes from methane catalytic decomposition over Ni/SiO ₂ . Journal of Materials Science, 2007, 42, 914-922.	3.7	21
10241	MWCNT reinforced Polyamide-6,6 films: preparation, characterization and properties. Journal of Materials Science, 2007, 42, 923-934.	3.7	53
10242	Sol-gel template synthesis of LiV ₃ O ₈ nanowires. Journal of Materials Science, 2007, 42, 867-871.	3.7	32
10243	Synthesis of silicon carbide nanorods without defects by direct heating method. Journal of Materials Science, 2007, 42, 3800-3804.	3.7	21
10244	Mechanical and electrical properties of hot-pressed borosilicate glass matrix composites containing multi-wall carbon nanotubes. Journal of Materials Science, 2007, 42, 2030-2036.	3.7	58
10245	Energetic trends of single-walled carbon nanotube ab initio calculations. Journal of Materials Science, 2007, 42, 1819-1827.	3.7	8
10246	Fabrication of carbon nanofiber(CNF)-dispersed Al ₂ O ₃ composites by pulsed electric-current pressure sintering and their mechanical and electrical properties. Journal of Materials Science, 2007, 42, 4792-4800.	3.7	36
10248	Synthesis and electrocatalytic activity of multi-walled carbon nanotubes/Cu-Ag nanocomposites. Journal of Materials Science, 2007, 42, 6972-6976.	3.7	17
10249	Synthesis and electrochemical application of carbon nanotubes obtained from hexachloroethane. Journal of Materials Science, 2007, 42, 6961-6964.	3.7	1
10250	Disordering and the electronic transport behaviors of Nb-Al ₄ C ₃ -C composite. Journal of Materials Science, 2007, 42, 6929-6934.	3.7	2
10251	Controllable synthesis of CuS nanotubes and nanobelts using lyotropic liquid crystal templates. Journal of Materials Science, 2007, 42, 1042-1045.	3.7	21
10252	Surfactant-assisted synthesis and characterization of lanthanum oxide nanostructures. Journal of Materials Science, 2007, 42, 9565-9571.	3.7	31
10253	Oxidation resistance of multi-walled carbon nanotubes purified with sulfuric and nitric acids. Journal of Materials Science, 2007, 42, 8377-8380.	3.7	23

#	ARTICLE	IF	CITATIONS
10254	Temperature dependence of electrical conductivity in double-wall and multi-wall carbon nanotube/polyester nanocomposites. <i>Journal of Materials Science</i> , 2007, 42, 9689-9695.	3.7	50
10255	Sonochemical preparation of nickel alumina nanotubes templated by anionic surfactant assemblies. <i>Journal of Materials Science</i> , 2007, 42, 10245-10249.	3.7	4
10256	Covalent attachment of poly (acrylic acid) onto multiwalled carbon nanotubes functionalized with formaldehyde via electrophilic substitution reaction. <i>Journal of Materials Science</i> , 2007, 42, 9447-9452.	3.7	14
10257	Carbon nanotube: carbon composites with matrix derived from oxidized mesophase pitch. <i>Journal of Materials Science</i> , 2007, 42, 9498-9500.	3.7	9
10258	Synthesis of \hat{I}^3 -MnOOH nanorods and their isomorphous transformation into \hat{I}^2 -MnO ₂ and \hat{I}^\pm -Mn ₂ O ₃ nanorods. <i>Journal of Materials Science</i> , 2007, 42, 9978-9982.	3.7	36
10259	Imogolite as an electron emitter and a water sensor. <i>Journal of Materials Science: Materials in Electronics</i> , 2007, 18, 893-897.	2.2	6
10260	Synthesis and Catalytic Studies of Uniform Os & Osâ€“Pd Nanoparticles Supported on MWNTs. <i>Journal of Cluster Science</i> , 2007, 18, 51-65.	3.3	17
10261	A Novel Approach for Preparation of Nano-gold Particles/Carbon Nanotube Composites from Gold Film, Poly(ferrocenylsilane) and Acetylene. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2007, 17, 121-125.	3.7	9
10262	The Production of Straight Carbon Microfibers by the Cracking of Methane over Co-SBA-15 Catalysts. <i>Catalysis Letters</i> , 2007, 118, 211-218.	2.6	2
10263	Guided circumferential waves in double-walled carbon nanotubes. <i>Acta Mechanica Solida Sinica</i> , 2007, 20, 110-116.	1.9	10
10264	A molecular mechanics approach for analyzing tensile nonlinear deformation behavior of single-walled carbon nanotubes. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2007, 23, 663-671.	3.4	7
10265	Voltammetric determination of 2-chlorophenol using a glassy carbon electrode coated with multi-wall carbon nanotube-dicetyl phosphate film. <i>Mikrochimica Acta</i> , 2007, 157, 21-26.	5.0	37
10266	Development of an acetylspiramycin sensor based on a single-walled carbon nanotubes film electrode. <i>Mikrochimica Acta</i> , 2007, 158, 79-84.	5.0	7
10267	Multi-walled carbon nanotube paste electrode for selective voltammetric detection of isoniazid. <i>Mikrochimica Acta</i> , 2007, 157, 149-158.	5.0	62
10268	Trace analysis of triasulfuron and bensulfuron-methyl in water samples using a carbon nanotubes packed cartridge in combination with high-performance liquid chromatography. <i>Mikrochimica Acta</i> , 2007, 157, 93-98.	5.0	30
10269	Electrochemical determination of acetaminophen using a glassy carbon electrode coated with a single-wall carbon nanotube-dicetyl phosphate film. <i>Mikrochimica Acta</i> , 2007, 158, 131-136.	5.0	70
10270	Electrochemistry and voltammetric determination of tannic acid on a single-wall carbon nanotube-coated glassy carbon electrode. <i>Mikrochimica Acta</i> , 2007, 159, 109-115.	5.0	48
10271	Complete solution of elastica for a clamped-hinged beam, and its applications to a carbon nanotube. <i>Acta Mechanica</i> , 2007, 190, 133-150.	2.1	45

#	ARTICLE	IF	CITATIONS
10272	Nonlocal elasticity effect on vibration of in-plane loaded double-walled carbon nano-tubes. <i>Acta Mechanica</i> , 2007, 190, 185-195.	2.1	108
10273	A carbon nanotube/silica sol-gel architecture for immobilization of horseradish peroxidase for electrochemical biosensor. <i>Bioprocess and Biosystems Engineering</i> , 2007, 30, 289-296.	3.4	42
10274	Electrically conducting electrospun silk membranes fabricated by adsorption of carbon nanotubes. <i>Colloid and Polymer Science</i> , 2007, 285, 1163-1167.	2.1	34
10275	Experimental observation on the flow-induced assembly of Carbon nanotube suspensions to form helical bands. <i>Rheologica Acta</i> , 2007, 46, 979-987.	2.4	66
10276	Growth of ZnO nanoneedles on silicon substrate by cyclic feeding chemical vapor deposition: Structural and optical properties. <i>Korean Journal of Chemical Engineering</i> , 2007, 24, 1084-1088.	2.7	10
10277	Carbon nanotube electron source technology. <i>Jom</i> , 2007, 59, 29-32.	1.9	13
10278	Synthesis of carbon nanotubes by catalytic vapor decomposition (CVD) method: Optimization of various parameters for the maximum yield. <i>Pramana - Journal of Physics</i> , 2007, 68, 51-60.	1.8	12
10279	Modeling Considerations and Material Properties Evaluation in Analysis of Carbon Nano-Tubes Composite. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2007, 38, 695-705.	2.1	25
10280	Thermal Spray Coatings Engineered from Nanostructured Ceramic Agglomerated Powders for Structural, Thermal Barrier and Biomedical Applications: A Review. <i>Journal of Thermal Spray Technology</i> , 2007, 16, 40-63.	3.1	397
10281	Multiscale modeling and simulation of nanotube-based torsional oscillators. <i>Nanoscale Research Letters</i> , 2007, 2, 54-59.	5.7	8
10282	Electrochemical properties of double wall carbon nanotube electrodes. <i>Nanoscale Research Letters</i> , 2007, 2, 87-93.	5.7	73
10283	Facile Hydrogen Evolution Reaction on WO ₃ Nanorods. <i>Nanoscale Research Letters</i> , 2007, 2, .	5.7	68
10284	Effect of acetylene flow rate on morphology and structure of carbon nanotube thick films grown by thermal chemical vapor deposition. <i>Frontiers of Materials Science in China</i> , 2007, 1, 92-96.	0.5	12
10285	Effects of boron-doping on the morphology and magnetic property of carbon nanotubes. <i>Frontiers of Materials Science in China</i> , 2007, 1, 379-382.	0.5	4
10286	Experimental Techniques for the Mechanical Characterization of One-Dimensional Nanostructures. <i>Experimental Mechanics</i> , 2007, 47, 7-24.	2.0	69
10287	Modulus, Fracture Strength, and Brittle vs. Plastic Response of the Outer Shell of Arc-grown Multi-walled Carbon Nanotubes. <i>Experimental Mechanics</i> , 2007, 47, 25-36.	2.0	131
10288	Molecular dynamics simulation of the test of single-walled carbon nanotubes under tensile loading. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 7-17.	0.9	22
10289	Photocatalytic degradating methyl orange in water phase by UV-irradiated CdS carried by carbon nanotubes. <i>Science in China Series D: Earth Sciences</i> , 2007, 50, 279-289.	0.9	17

#	ARTICLE	IF	CITATIONS
10290	Spread of double-walled carbon nanotube membrane. Science Bulletin, 2007, 52, 997-1000.	1.7	5
10291	Microstructure and properties of Si-TaSi ₂ eutectic in situ composite for field emission. Science Bulletin, 2007, 52, 984-989.	1.7	2
10292	Structural and magnetic properties of Fe ₃ O ₄ nanoparticles prepared by arc-discharge in water. Science Bulletin, 2007, 52, 2866-2870.	1.7	13
10293	A novel method of supporting gold nanoparticles on MWCNTs: Synchrotron X-ray reduction. Particology: Science and Technology of Particles, 2007, 5, 237-241.	0.4	5
10294	Ethylene diamine-grafted carbon nanotubes: A promising catalyst support for methanol electro-oxidation. Electrochimica Acta, 2007, 53, 777-784.	5.2	22
10295	The enhanced anodic performance of highly crimped and crystalline nanofibrillar carbon in lithium-ion batteries. Electrochimica Acta, 2007, 53, 944-950.	5.2	6
10296	Grand canonical Monte Carlo simulation of hydrogen physisorption in single-walled boron nitride nanotubes. International Journal of Hydrogen Energy, 2007, 32, 3402-3405.	7.1	35
10297	H ₂ , He and Ar sorption on arc-produced cathode deposit consisting of multiwalled carbon nanotubes and graphitic and diamond-like carbon. International Journal of Hydrogen Energy, 2007, 32, 3990-3997.	7.1	22
10298	Heat transfer characteristics of nanofluids: a review. International Journal of Thermal Sciences, 2007, 46, 1-19.	4.9	1,853
10299	High-sensitivity matrix-assisted laser desorption/ionization Fourier transform mass spectrometry analyses of small carbohydrates and amino acids using oxidized carbon nanotubes prepared by chemical vapor deposition as matrix. Analytica Chimica Acta, 2007, 604, 158-164.	5.4	34
10300	Effect of dimensions of multi-walled carbon nanotubes on its enrichment efficiency of metal ions from environmental waters. Analytica Chimica Acta, 2007, 604, 119-126.	5.4	61
10301	The effect of covalent functionalization of carbon nanotube reinforcements on the atomic-level mechanical properties of poly-vinyl-ester-epoxy. Applied Surface Science, 2007, 253, 3009-3021.	6.1	96
10302	Raman spectroscopy of SWNTs produced by a XeCl excimer laser ablation at high temperatures. Applied Surface Science, 2007, 253, 6330-6333.	6.1	5
10303	Effect of pulse width and fluence of femtosecond laser on the size of nanobump array. Applied Surface Science, 2007, 253, 6555-6557.	6.1	93
10304	Synthesis and characterization of carbon nanotubes on carbon microfibers by floating catalyst method. Applied Surface Science, 2007, 253, 6807-6810.	6.1	20
10305	Synthesis of ZnO nanowires by pulsed laser deposition in furnace. Applied Surface Science, 2007, 253, 7848-7850.	6.1	32
10306	Effect of Ni, Pd and Ni-Pd nano-islands on morphology and structure of multi-wall carbon nanotubes. Applied Surface Science, 2007, 253, 8458-8462.	6.1	27
10307	High-density and well-aligned carbon nanotubes formed by surface decomposition of SiC. Applied Surface Science, 2007, 254, 257-261.	6.1	7

#	ARTICLE	IF	CITATIONS
10308	Carbon nanotube applications for tissue engineering. <i>Biomaterials</i> , 2007, 28, 344-353.	11.4	967
10309	Electrochemical quartz crystal impedance study on the overoxidation of polypyrrole's carbon nanotubes composite film for amperometric detection of dopamine. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2819-2826.	10.1	69
10310	Direct electrochemistry of glucose oxidase and electrochemical biosensing of glucose on quantum dots/carbon nanotubes electrodes. <i>Biosensors and Bioelectronics</i> , 2007, 22, 3203-3209.	10.1	312
10311	Carbon nanotube/polysulfone screen-printed electrochemical immunosensor. <i>Biosensors and Bioelectronics</i> , 2007, 23, 332-340.	10.1	114
10312	Electrochemical behavior of caffeic acid at single-walled carbon nanotube:graphite-based electrode. <i>Biophysical Chemistry</i> , 2007, 128, 30-37.	2.8	41
10313	Interaction between two single-walled carbon nanotubes revisited: Structural stability of nanotube bundles. <i>Chemical Engineering Science</i> , 2007, 62, 6879-6884.	3.8	6
10314	High Aspect Ratio Nanometrology using Carbon Nanotube Probes in Atomic Force Microscopy. <i>CIRP Annals - Manufacturing Technology</i> , 2007, 56, 533-536.	3.6	14
10315	Preparation and characterization of a double filler polymeric nanocomposite. <i>Composites Science and Technology</i> , 2007, 67, 895-899.	7.8	20
10316	A study on the tensile response and fracture in carbon nanotube-based composites using molecular mechanics. <i>Composites Science and Technology</i> , 2007, 67, 530-540.	7.8	126
10317	Tensile properties at different temperature and observation of micro deformation of carbon nanotubes's poly(ether ether ketone) composites. <i>Composites Science and Technology</i> , 2007, 67, 2959-2964.	7.8	63
10318	Hydrothermal synthesis and photoluminescent properties of ZnO sub-micrometer and micrometer rods. <i>Optical Materials</i> , 2007, 29, 532-538.	3.6	10
10319	Synthesis and luminescence properties of Eu or Tb doped Lu ₂ O ₃ square nanosheets. <i>Optical Materials</i> , 2007, 29, 593-597.	3.6	26
10320	Raman Spectroscopy of nanomaterials: How spectra relate to disorder, particle size and mechanical properties. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2007, 53, 1-56.	4.0	865
10321	Hydrothermal technology for nanotechnology. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2007, 53, 117-166.	4.0	823
10322	Dynamic elastic modulus of single-walled carbon nanotubes in different thermal environments. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 365, 144-148.	2.1	27
10323	Electron's phonon interaction on the surface of a sphere in the presence of a uniform magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 369, 506-509.	2.1	15
10324	Plasmon dispersion in metallic carbon nanotubes in the presence of low-frequency electromagnetic radiation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 371, 1-6.	2.1	30
10325	Computation of chirality- and size-dependent surface Young's moduli for single-walled carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007, 371, 499-503.	2.1	46

#	ARTICLE	IF	CITATIONS
10326	Isothermal crystallization kinetics and thermal behavior of poly(ϵ -caprolactone)/multi-walled carbon nanotube composites. <i>Polymer Degradation and Stability</i> , 2007, 92, 1009-1015.	5.8	156
10327	Polymer/carbon nanotube nanocomposites: Influence of carbon nanotubes on EVA photodegradation. <i>Polymer Degradation and Stability</i> , 2007, 92, 1873-1882.	5.8	105
10328	Preparation and mechanical characterization of artificial hollow tubes. <i>Polymer</i> , 2007, 48, 2520-2525.	3.8	13
10329	Preparation and characterization of poly(ϵ -caprolactone)-b-polyacrylonitrile (PCL-b-PAN) and poly(L-lactide)-b-polyacrylonitrile (PLLA-b-PAN) copolymers by aluminum and lithium alkoxides containing double-headed initiators. <i>Polymer</i> , 2007, 48, 4401-4411.	3.8	29
10330	Removal of lead(II) from aqueous solution by adsorption onto manganese oxide-coated carbon nanotubes. <i>Separation and Purification Technology</i> , 2007, 58, 17-23.	7.9	290
10331	Nano electromechanical sensors based on carbon nanotubes. <i>Sensors and Actuators A: Physical</i> , 2007, 136, 51-61.	4.1	238
10332	Fabrication of carbon nanotubes/poly(1,2-diaminobenzene) nanoporous composite via multipulse chronoamperometric electropolymerization process and its electrocatalytic property toward oxidation of NADH. <i>Sensors and Actuators B: Chemical</i> , 2007, 120, 595-602.	7.8	48
10333	Amperometric biosensors based on multiwalled carbon nanotube-Nafion-tyrosinase nanobiocomposites for the determination of phenolic compounds. <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 10-16.	7.8	162
10334	Sol-gel derived carbon nanotubes ceramic composite electrodes for electrochemical sensing. <i>Sensors and Actuators B: Chemical</i> , 2007, 125, 254-261.	7.8	59
10335	A highly selective chemical gas sensor based on functionalization of multi-walled carbon nanotubes with poly(ethylene glycol). <i>Sensors and Actuators B: Chemical</i> , 2007, 126, 361-367.	7.8	115
10336	Simultaneous determination of dihydroxybenzene isomers at single-wall carbon nanotube electrode. <i>Sensors and Actuators B: Chemical</i> , 2007, 127, 420-425.	7.8	162
10337	Constructing self-organized structures on silicon and sapphire surfaces. <i>Surface Science</i> , 2007, 601, 2532-2537.	1.9	4
10338	Adsorption kinetics of alkanes on TiO ₂ nanotubes array "structure" activity relationship. <i>Surface Science</i> , 2007, 601, 4620-4628.	1.9	25
10339	Influence of CO ₂ and N ₂ on the growth of carbon nanotubes by using thermal chemical vapor deposition. <i>Thin Solid Films</i> , 2007, 516, 277-283.	1.8	4
10340	Attachment of carbon nanotubes to atomic force microscope probes. <i>Ultramicroscopy</i> , 2007, 107, 1118-1122.	1.9	39
10341	Electropolymerization and catalysis of well-dispersed polyaniline/carbon nanotube/gold composite. <i>Journal of Electroanalytical Chemistry</i> , 2007, 599, 121-126.	3.8	79
10342	A comparative study on properties of multi-walled carbon nanotubes (MWCNTs) modified with acids and oxyfluorination. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 60-64.	1.7	92
10343	Discussion of important factors in deposition of carbon nanotubes by atmospheric pressure microwave plasma torch. <i>Journal of Physics and Chemistry of Solids</i> , 2007, 68, 738-743.	4.0	13

#	ARTICLE	IF	CITATIONS
10344	Preparation of novel ceramic membranes modified by mesoporous silica with 3-aminopropyltriethoxysilane (APTES) and its application to Cu ²⁺ separation in the aqueous phase. <i>Journal of Membrane Science</i> , 2007, 301, 118-125.	8.2	65
10345	Electron microscopy characterization of nanostructured carbon obtained from chlorination of metallocenes and metal carbides. <i>Micron</i> , 2007, 38, 335-345.	2.2	11
10346	Temperature dependency of electrical behaviors in single walled carbon nanotube/conducting polymer composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 138, 284-288.	3.5	26
10347	Preparation and electrochemical characterization of polyaniline/multi-walled carbon nanotubes composites for supercapacitor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 143, 7-13.	3.5	199
10348	A highly-sensitive l-lactate biosensor based on sol-gel film combined with multi-walled carbon nanotubes (MWCNTs) modified electrode. <i>Materials Science and Engineering C</i> , 2007, 27, 29-34.	7.3	48
10349	Crystal orbital study on the zigzag single-walled carbon nanotubes with multi-dichlorocarbene addition. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2531-2534.	4.0	25
10350	Effects of post-treatments on microstructure and hydrogen storage performance of the carbon nano-tubes prepared via a metal dusting process. <i>Journal of Power Sources</i> , 2008, 182, 317-322.	7.8	13
10351	Comparison of multiwalled carbon nanotubes and carbon black as percolative paths in aqueous-based natural graphite negative electrodes with high-rate capability for lithium-ion batteries. <i>Journal of Power Sources</i> , 2008, 184, 308-311.	7.8	36
10352	Curing kinetics and mechanical behavior of natural rubber reinforced with pretreated carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 485, 524-531.	5.6	160
10353	Electrooxidation of catecholamines at carbon nanotube-modified indium tin oxide electrodes. <i>Analytica Chimica Acta</i> , 2008, 619, 49-53.	5.4	11
10354	Electroreduction of oxygen on gold nanoparticle/PDDA-MWCNT nanocomposites in acid solution. <i>Analytica Chimica Acta</i> , 2008, 618, 140-146.	5.4	61
10355	Preparation and modification of carbon nanotubes: Review of recent advances and applications in catalysis and sensing. <i>Analytica Chimica Acta</i> , 2008, 626, 119-129.	5.4	269
10356	Microwave-induced electrophilic addition of single-walled carbon nanotubes with alkylhalides. <i>Applied Surface Science</i> , 2008, 254, 2431-2435.	6.1	43
10357	The growth of carbon nanotubes on montmorillonite and zeolite (clinoptilolite). <i>Applied Surface Science</i> , 2008, 254, 5073-5079.	6.1	29
10358	Hydrogen plasma enhanced alignment on CNT-STM tips grown by liquid catalyst-assisted microwave plasma-enhanced chemical vapor deposition. <i>Applied Surface Science</i> , 2008, 254, 7750-7754.	6.1	3
10359	Manipulation and soldering of carbon nanotubes using atomic force microscope. <i>Applied Surface Science</i> , 2008, 254, 7897-7900.	6.1	23
10360	Catalytic activity of Fe, Co and Fe-Co-MCM-41 for the growth of carbon nanotubes by chemical vapour deposition method. <i>Applied Surface Science</i> , 2008, 254, 5643-5647.	6.1	18
10361	Electron field emission properties of conducting polymer coated multi walled carbon nanotubes. <i>Applied Surface Science</i> , 2008, 254, 6770-6774.	6.1	36

#	ARTICLE	IF	CITATIONS
10362	Co ²⁺ /B amorphous alloy nanochains with enhanced magnetization and electrochemical activity prepared in a biphasic system. <i>Applied Surface Science</i> , 2008, 254, 7516-7521.	6.1	18
10363	Hydrogen adsorption on carbon nanocone material studied by thermal desorption and photoemission. <i>Applied Surface Science</i> , 2008, 255, 1906-1910.	6.1	24
10364	Electrocatalysis of emodin at multi-wall nanotubes. <i>Bioelectrochemistry</i> , 2008, 72, 155-160.	4.6	8
10365	Peptide-coated nanotube-based biosensor for the detection of disease-specific autoantibodies in human serum. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1413-1421.	10.1	82
10366	Increasing amperometric biosensor sensitivity by length fractionated single-walled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2008, 24, 272-278.	10.1	35
10367	Carbon nanotube/gold nanoparticles/polyethylenimine-functionalized ionic liquid thin film composites for glucose biosensing. <i>Biosensors and Bioelectronics</i> , 2008, 24, 945-950.	10.1	146
10368	Sensitive voltammetric determination of tyrosine using multi-walled carbon nanotubes/4-aminobenzenesulfonic acid film-coated glassy carbon electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 61, 176-181.	5.0	75
10369	Self-sensing and dispersive evaluation of single carbon fiber/carbon nanotube (CNT)-epoxy composites using electro-micromechanical technique and nondestructive acoustic emission. <i>Composites Part B: Engineering</i> , 2008, 39, 1170-1182.	12.0	46
10370	Enhancement of through-thickness thermal conductivity in adhesively bonded joints using aligned carbon nanotubes. <i>Composites Science and Technology</i> , 2008, 68, 658-665.	7.8	69
10371	Thermal decomposition of carbon nanotube/Al ₂ O ₃ powders by DSC testing. <i>Composites Science and Technology</i> , 2008, 68, 2954-2959.	7.8	26
10372	Buckling of defective single-walled and double-walled carbon nanotubes under axial compression by molecular dynamics simulation. <i>Composites Science and Technology</i> , 2008, 68, 1809-1814.	7.8	85
10373	Fabrication and multifunctional properties of a hybrid laminate with aligned carbon nanotubes grown In Situ. <i>Composites Science and Technology</i> , 2008, 68, 2034-2041.	7.8	404
10374	Novel carbon nanotube array-reinforced laminated composite materials with higher interlaminar elastic properties. <i>Composites Science and Technology</i> , 2008, 68, 2755-2760.	7.8	80
10375	From transistor to nanotube. <i>Comptes Rendus Physique</i> , 2008, 9, 41-52.	0.9	5
10376	Review of two microwave applications of carbon nanotubes: nano-antennas and nano-switches. <i>Comptes Rendus Physique</i> , 2008, 9, 53-66.	0.9	38
10377	Electrocatalytic reduction of dioxygen by cobalt porphyrin-modified glassy carbon electrode with single-walled carbon nanotubes and nafion in aqueous solutions. <i>Electrochimica Acta</i> , 2008, 53, 2579-2584.	5.2	35
10378	Fabrication of TiO ₂ nanotubes by using electrodeposited ZnO nanorod template and their application to hybrid solar cells. <i>Electrochimica Acta</i> , 2008, 53, 2560-2566.	5.2	70
10379	A DNA electrochemical sensor with poly-L-lysine/single-walled carbon nanotubes films and its application for the highly sensitive EIS detection of PAT gene fragment and PCR amplification of NOS gene. <i>Electrochimica Acta</i> , 2008, 53, 2917-2924.	5.2	154

#	ARTICLE	IF	CITATIONS
10380	Preparation and characterization of poly[Ni(salen)(crown receptor)]/multi-walled carbon nanotube composite films. <i>Electrochimica Acta</i> , 2008, 53, 6722-6731.	5.2	30
10381	Synthesis and hydrogen storage properties of carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 381-386.	7.1	52
10382	Studying the potential release of carbon nanotubes throughout the application life cycle. <i>Journal of Cleaner Production</i> , 2008, 16, 927-937.	9.3	319
10383	Geometric phases in graphitic cones. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 5368-5371.	2.1	87
10384	Mechanical property of carbon nanotubes with intramolecular junctions: Molecular dynamics simulations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6661-6666.	2.1	97
10385	Effect of modified carbon nanotube on the properties of aromatic polyester nanocomposites. <i>Polymer</i> , 2008, 49, 3335-3345.	3.8	142
10386	Influence of twin-screw extrusion conditions on the dispersion of multi-walled carbon nanotubes in a poly(lactic acid) matrix. <i>Polymer</i> , 2008, 49, 3500-3509.	3.8	378
10387	Poly(L-lactide) brushes on magnetic multiwalled carbon nanotubes by in-situ ring-opening polymerization. <i>Polymer</i> , 2008, 49, 4989-4994.	3.8	45
10388	Residue catalyst support removal and purification of carbon nanotubes by NaOH leaching and froth flotation. <i>Separation and Purification Technology</i> , 2008, 60, 206-214.	7.9	19
10389	Characterization of boron-doped TiO ₂ nanotube arrays prepared by electrochemical method and its visible light activity. <i>Separation and Purification Technology</i> , 2008, 62, 668-673.	7.9	112
10390	Development of single-wall carbon nanotubes modified screen-printed electrode using a ferrocene-modified cationic surfactant for amperometric glucose biosensor applications. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 188-194.	7.8	51
10391	Exfoliated single-walled carbon nanotube-based hydrogen sensor. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 653-660.	7.8	69
10392	Copper oxide nanoparticle impurities are responsible for the electroanalytical detection of glucose seen using multiwalled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 356-360.	7.8	161
10393	Quartz crystal microbalance and electrochemical cytosensing on a chitosan/multiwalled carbon nanotubes/Au electrode. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 273-280.	7.8	23
10394	Modified glassy carbon electrode with multiwall carbon nanotubes as a voltammetric sensor for determination of nescapine in biological and pharmaceutical samples. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 292-299.	7.8	69
10395	Electrochemical properties of colchicine on the PoPD/SWNTs composite-modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 477-482.	7.8	20
10396	Highly selective determination of uric acid in the presence of ascorbic acid at glassy carbon electrodes modified with carbon nanotubes dispersed in polylysine. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 559-565.	7.8	62
10397	Derivative voltammetric direct simultaneous determination of nitrophenol isomers at a carbon nanotube modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 61-65.	7.8	130

#	ARTICLE	IF	CITATIONS
10398	Current correlation functions for chemical sensors based on DNA decorated carbon nanotube. Sensors and Actuators B: Chemical, 2008, 135, 327-335.	7.8	10
10399	Formation of convex carbon micro- and nano-disk by atmospheric plasma system. Surface and Coatings Technology, 2008, 202, 5356-5359.	4.8	5
10400	Application of quantum theory of atoms in molecules on small single wall (6,0) zigzag carbon clusters. Part I: Topological analysis of electron density, structure and bonding. Computational and Theoretical Chemistry, 2008, 856, 79-87.	1.5	3
10401	Quantitative limitation of active site and characteristics of chemical oxidized well-aligned carbon nanotubes. Thin Solid Films, 2008, 516, 5236-5240.	1.8	6
10402	Electrochemical properties of ferrocene adsorbed on multi-walled carbon nanotubes electrode. Thin Solid Films, 2008, 516, 2151-2157.	1.8	21
10403	Forming carbon nanotube composites by directly coating forests with inorganic materials using low pressure chemical vapor deposition. Thin Solid Films, 2008, 517, 525-530.	1.8	14
10404	In situ measurements and transmission electron microscopy of carbon nanotube field-effect transistors. Ultramicroscopy, 2008, 108, 613-618.	1.9	12
10405	Preparation of Carbon Nanotubes (CNTs)-Cordierite Monoliths by Catalytic Chemical Vapor Deposition as Catalyst Supports for Ammonia Synthesis. Catalysis Letters, 2008, 122, 287-294.	2.6	22
10406	Covalent sidewall functionalization of single-walled carbon nanotubes by amino acids. Russian Chemical Bulletin, 2008, 57, 1054-1062.	1.5	14
10407	Population modeling of the emergence and development of scientific fields. Scientometrics, 2008, 75, 495-518.	3.0	124
10408	Investigation on properties of V ₂ O ₅ /MWCNTs composites as cathode materials. Journal of Sol-Gel Science and Technology, 2008, 46, 79-85.	2.4	19
10409	Model for thermal conductivity of composites with carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2008, 94, 349-353.	3.6	5
10410	Thermal conductivity of micro- and nanostructural epoxy composites at low temperatures. Mechanics of Composite Materials, 2008, 44, 87-92.	1.4	35
10411	Novel catalytic route to bulk production of high purity carbon nanotube. Journal of Nanoparticle Research, 2008, 10, 69-76.	1.9	24
10412	The effect of process variables on the characteristics of carbon nanotubes obtained by spray pyrolysis. Journal of Nanoparticle Research, 2008, 10, 585-597.	1.9	7
10413	Preparation and characterization of amphiphilic multi-walled carbon nanotubes. Journal of Nanoparticle Research, 2008, 10, 659-663.	1.9	14
10414	Structural transformation of vapor grown carbon nanofibers studied by HRTEM. Journal of Nanoparticle Research, 2008, 10, 1155-1167.	1.9	28
10415	Toxicological effects of multi-wall carbon nanotubes in rats. Journal of Nanoparticle Research, 2008, 10, 1303-1307.	1.9	63

#	ARTICLE	IF	CITATIONS
10416	Development of Ni-Al Catalysts for Hydrogen and Carbon Nanofibre Production by Catalytic Decomposition of Methane. Effect of MgO Addition. Topics in Catalysis, 2008, 51, 158-168.	2.8	12
10417	Fabrication and characterization of needle-like nano-HA and HA/MWNT composites. Journal of Materials Science: Materials in Medicine, 2008, 19, 75-81.	3.6	45
10418	Electrophoretic deposition of HA/MWNTs composite coating for biomaterial applications. Journal of Materials Science: Materials in Medicine, 2008, 19, 2569-2574.	3.6	51
10419	Single walled carbon nanotubes (SWCNT) affect cell physiology and cell architecture. Journal of Materials Science: Materials in Medicine, 2008, 19, 1523-1527.	3.6	69
10420	Repeat space theory applied to carbon nanotubes and related molecular networks. II. Journal of Mathematical Chemistry, 2008, 43, 658-673.	1.5	8
10421	The formation mechanisms of multi-wall carbon nanotubes over the Ni modified MCM-41 catalysts. Journal of Porous Materials, 2008, 15, 43-51.	2.6	28
10422	Simulation of structural, elastic, and electronic properties of new cubic crystals of carbon and BN nanotubes. Journal of Structural Chemistry, 2008, 49, 994-1000.	1.0	1
10423	Manufactured nanoparticles: their uptake and effects on fish—a mechanistic analysis. Ecotoxicology, 2008, 17, 396-409.	2.4	385
10424	¹²⁹ I-Mössbauer study of iodine-doped open- and closed-end single-walled carbon nanotube. Hyperfine Interactions, 2008, 183, 179-184.	0.5	1
10425	Carbon nanocapsules as an electrocatalyst support for the oxygen reduction reaction in alkaline electrolyte. Journal of Applied Electrochemistry, 2008, 38, 507-514.	2.9	10
10426	Separation of nanocarbons by molecular recognition. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2008, 61, 195-216.	1.6	27
10427	Hydrothermal processing of materials: past, present and future. Journal of Materials Science, 2008, 43, 2085-2103.	3.7	494
10428	Formation of filamentous carbon through dissociation of chromium carbide under hydrothermal conditions. Journal of Materials Science, 2008, 43, 2153-2157.	3.7	6
10429	Solvothermal reactions: an original route for the synthesis of novel materials. Journal of Materials Science, 2008, 43, 2104-2114.	3.7	170
10430	Orientation relations between carbon nanotubes grown by chemical vapour deposition and residual iron-containing catalysts. Journal of Materials Science, 2008, 43, 123-131.	3.7	5
10431	Crystallization behavior of poly(trimethylene terephthalate)/multi-walled carbon nanotube composites. Journal of Materials Science, 2008, 43, 417-421.	3.7	40
10432	Two opposite growth modes of carbon nanofibers prepared by catalytic decomposition of acetylene at low temperature. Journal of Materials Science, 2008, 43, 883-886.	3.7	6
10433	Surface modification of multi-walled carbon nanotubes using 3-aminopropyltriethoxysilane. Journal of Materials Science, 2008, 43, 33-37.	3.7	198

#	ARTICLE	IF	CITATIONS
10434	Effect of mixture ratios and nitrogen carrier gas flow rates on the morphology of carbon nanotube structures grown by CVD. <i>Journal of Materials Science</i> , 2008, 43, 1020-1025.	3.7	31
10435	Titanate nanotubes: preparation, characterization, and application in the detection of dopamine. <i>Journal of Materials Science</i> , 2008, 43, 1510-1514.	3.7	34
10436	Electromagnetic interference shielding of carbon nanotube/ethylene vinyl acetate composites. <i>Journal of Materials Science</i> , 2008, 43, 1920-1925.	3.7	113
10437	Synthesis of feather-like carbon nanosheet arrays by radio frequency plasma technique. <i>Journal of Materials Science</i> , 2008, 43, 5014-5016.	3.7	1
10438	Advances in the application of nanotechnology in enabling a "hydrogen economy". <i>Journal of Materials Science</i> , 2008, 43, 5395-5429.	3.7	221
10439	Preparation of gold/polyaniline/multiwall carbon nanotube nanocomposites and application in ammonia gas detection. <i>Journal of Materials Science</i> , 2008, 43, 5861-5866.	3.7	66
10440	Field emission properties of carbon nanotube pastes examined using design of experiments. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 17-23.	2.2	7
10441	Effects of activation time on the electrochemical capacitance of activated carbon nanotubes. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 241-245.	2.2	1
10442	Polythiophene-graft-PMMA as a dispersing agent for multi-walled carbon nanotubes in organic solvent. <i>Macromolecular Research</i> , 2008, 16, 749-752.	2.4	14
10443	Metal induced molecular nano-extraction. <i>Theoretical Chemistry Accounts</i> , 2008, 121, 247-255.	1.4	1
10444	CF ₄ plasma-induced grafting of fluoropolymer onto multi-walled carbon nanotube powder. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 431-435.	2.3	14
10445	Single-step electrodeposition of polycrystalline CdSe microwire arrays: structural and optical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 423-430.	2.3	19
10446	Synthesis and field emission of two kinds of ZnO nanotubes: taper-like and flat-roofed tubes. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 739-743.	2.3	21
10447	A parametric study of the synthesis and purification of single-walled carbon nanotubes using the high-pressure carbon monoxide process. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 637-643.	2.3	8
10448	Disordered multiwalled carbon nanotube mat for light spot position detecting. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 91, 229-233.	2.3	11
10449	Morphology and temperature-dependent electron field emission from vertically aligned carbon nanofibers. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 91, 429-433.	2.3	12
10450	Fabrication of cross-linked multi-walled carbon nanotube coatings with improved adhesion and intrinsic strength by a two-step synthesis: electrochemical deposition and hyperthermal proton bombardment. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 91, 403-406.	2.3	5
10451	Synthesis and characterization of dentate-shaped In^{2+} -Ga ₂ O ₃ nano/microbelts via a simple method. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 91, 415-419.	2.3	14

#	ARTICLE	IF	CITATIONS
10452	Formation and structure of circular-disc assemblies of double-walled carbon nanotubes from a catalytic CVD reaction. Applied Physics A: Materials Science and Processing, 2008, 92, 709-713.	2.3	3
10453	Optimization of field emission properties from multi-walled carbon nanotubes using ceramic fillers. Applied Physics A: Materials Science and Processing, 2008, 93, 511-516.	2.3	6
10454	The role of defects in chemical sensing properties of carbon nanotube films. Applied Physics A: Materials Science and Processing, 2008, 93, 495-504.	2.3	18
10455	Lamellar metal-organic complex and its rod-like nanoparticles prepared with ultrasonic technique. Science in China Series B: Chemistry, 2008, 51, 829-833.	0.8	1
10456	Multi-walled carbon nanotubes based catalyst plasmon resonance light scattering analysis of tetracycline hydrochloride. Science in China Series B: Chemistry, 2008, 51, 866-871.	0.8	4
10457	Cytotoxicity of carbon nanotubes. Science in China Series B: Chemistry, 2008, 51, 1021-1029.	0.8	25
10458	Structural and electronic properties of single-walled carbon nanotubes adsorbed with 1-pyrenebutanoic acid, succinimidyl ester. Science in China Series B: Chemistry, 2008, 51, 1203-1210.	0.8	20
10459	Grafting of thermoresponsive polymer from the surface of functionalized multiwalled carbon nanotubes via atom transfer radical polymerization. Science Bulletin, 2008, 53, 2297-2306.	9.0	5
10460	Negative differential resistance in single-walled SiC nanotubes. Science Bulletin, 2008, 53, 3770-3772.	1.7	13
10461	Multi-photon excitation in ZnO materials. Frontiers of Physics in China, 2008, 3, 181-190.	1.0	4
10462	Novel Nanomaterials for Clinical Neuroscience. Journal of NeuroImmune Pharmacology, 2008, 3, 83-94.	4.1	199
10463	Laser induced transition from soot generation to shell shaped carbon nanoparticles in an acetylene flow: aerosol characterization. Journal of Mechanical Science and Technology, 2008, 22, 134-140.	1.5	3
10464	Buckling analysis of multi-walled carbon nanotubes under combined loading considering the effect of small length scale. Journal of Mechanical Science and Technology, 2008, 22, 429-439.	1.5	29
10465	Depth-detection methods for microgripper based CNT manipulation in a scanning electron microscope. Journal of Micro-Nano Mechatronics, 2008, 4, 27-36.	1.0	51
10466	Direct evidence for lip-lip interactions in multi-walled carbon nanotubes. Nano Research, 2008, 1, 434-439.	10.4	15
10467	Dispersion and rheology of carbon nanotubes in polymers. International Journal of Material Forming, 2008, 1, 63-74.	2.0	56
10468	Direct spinning of carbon nanotube fibres from liquid feedstock. International Journal of Material Forming, 2008, 1, 59-62.	2.0	40
10469	Effect of Carbon Nanotubes on the Shear Strength and Electrical Resistivity of a Lead-Free Solder. Journal of Electronic Materials, 2008, 37, 515-522.	2.2	103

#	ARTICLE	IF	CITATIONS
10470	Excellent Field Emission Properties of Short Conical Carbon Nanotubes Prepared by Microwave Plasma Enhanced CVD Process. <i>Nanoscale Research Letters</i> , 2008, 3, .	5.7	27
10471	Synthesis and Characterization of Magnetic Metal-encapsulated Multi-walled Carbon Nanobeads. <i>Nanoscale Research Letters</i> , 2008, 3, .	5.7	21
10472	Effect of Substrate Morphology on Growth and Field Emission Properties of Carbon Nanotube Films. <i>Nanoscale Research Letters</i> , 2008, 3, 205-212.	5.7	16
10473	The Influences of H ₂ Plasma Pretreatment on the Growth of Vertically Aligned Carbon Nanotubes by Microwave Plasma Chemical Vapor Deposition. <i>Nanoscale Research Letters</i> , 2008, 3, .	5.7	14
10474	Scanned Probe Oxidation on p-GaAs(100) Surface with an Atomic Force Microscopy. <i>Nanoscale Research Letters</i> , 2008, 3, 249-254.	5.7	7
10475	Femtosecond Dynamics in Single Wall Carbon Nanotube/Poly(3-Hexylthiophene) Composites. <i>Nanoscale Research Letters</i> , 2008, 3, .	5.7	14
10476	Growth of Y-shaped Carbon Nanofibers from Ethanol Flames. <i>Nanoscale Research Letters</i> , 2008, 3, .	5.7	14
10477	Influence of Surface Modified MWCNTs on the Mechanical, Electrical and Thermal Properties of Polyimide Nanocomposites. <i>Nanoscale Research Letters</i> , 2008, 3, .	5.7	120
10478	Tube Formation in Nanoscale Materials. <i>Nanoscale Research Letters</i> , 2008, 3, 473-80.	5.7	156
10479	The role of hydroxyl and atomic oxygen in multiwall carbon nanotube growth. <i>Frontiers of Materials Science in China</i> , 2008, 2, 20-25.	0.5	6
10480	On Young's modulus of multi-walled carbon nanotubes. <i>Bulletin of Materials Science</i> , 2008, 31, 185-187.	1.7	50
10481	Mesoscale organization of CuO nanoslices: Formation of sphere. <i>Bulletin of Materials Science</i> , 2008, 31, 193-195.	1.7	7
10482	Investigation on carbon nanomaterials: Coaxial CNT-cylinders and CNT-polymer composite. <i>Bulletin of Materials Science</i> , 2008, 31, 313-318.	1.7	8
10483	Effect of curvature on structures and vibrations of zigzag carbon nanotubes: A first-principles study. <i>Bulletin of Materials Science</i> , 2008, 31, 335-341.	1.7	19
10484	Synthesis of single wall carbon nanotubes from a lamellar type aluminophosphate (AlPO ₄ -L). <i>Bulletin of Materials Science</i> , 2008, 31, 609-611.	1.7	0
10485	Insights into the electro-oxidation of hydrazine at single-walled carbon-nanotube-modified edge-plane pyrolytic graphite electrodes electro-decorated with metal and metal oxide films. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1325-1336.	2.5	35
10486	The influence of edge-plane defects and oxygen-containing surface groups on the voltammetry of acid-treated, annealed and "super-annealed" multiwalled carbon nanotubes. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 1337-1348.	2.5	105
10487	A simple method to fabricate a Prussian Blue nanoparticles/carbon nanotubes/poly(1,2-diaminobenzene) based glucose biosensor. <i>Mikrochimica Acta</i> , 2008, 160, 261-267.	5.0	46

#	ARTICLE	IF	CITATIONS
10488	Ensemble of carbon fiber ultra-microelectrodes modified with nanotubes, and its application to the determination of dopamine. <i>Mikrochimica Acta</i> , 2008, 160, 227-231.	5.0	15
10489	Fabrication of a copper nanoparticle/chitosan/carbon nanotube-modified glassy carbon electrode for electrochemical sensing of hydrogen peroxide and glucose. <i>Mikrochimica Acta</i> , 2008, 160, 253-260.	5.0	88
10490	Nano-silver/multi-walled carbon nanotube composite films for hydrogen peroxide electroanalysis. <i>Mikrochimica Acta</i> , 2008, 162, 51-56.	5.0	33
10491	Electrocatalytic oxidation of methanol on a platinum modified carbon nanotube electrode. <i>Mikrochimica Acta</i> , 2008, 162, 235-243.	5.0	9
10492	Microwave-assisted preparation of a carbon nanotube/La(OH) ₃ nanocomposite, and its application to electrochemical determination of adenine and guanine. <i>Mikrochimica Acta</i> , 2008, 162, 175-180.	5.0	27
10493	Voltammetric behavior of ofloxacin and its determination using a multi-walled carbon nanotubes-Nafion film coated electrode. <i>Mikrochimica Acta</i> , 2008, 162, 227-233.	5.0	19
10494	Nano-structured support materials, their characterisation and serum protein profiling through MALDI/TOF-MS. <i>Amino Acids</i> , 2008, 34, 279-286.	2.7	11
10495	Nano Science and Engineering in Solid Mechanics. <i>Acta Mechanica Solida Sinica</i> , 2008, 21, 95-103.	1.9	19
10496	Fabrication of bio/nano interfaces between biological cells and carbon nanotubes using dielectrophoresis. <i>Microfluidics and Nanofluidics</i> , 2008, 5, 741-747.	2.2	18
10497	Review: static and dynamic behavior of liquids inside carbon nanotubes. <i>Microfluidics and Nanofluidics</i> , 2008, 5, 289-305.	2.2	240
10498	Advances in dynamics and control of tethered satellite systems. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2008, 24, 229-241.	3.4	102
10499	Dynamic torsional buckling of multi-walled carbon nanotubes embedded in an elastic medium. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2008, 24, 541-547.	3.4	5
10500	Colloidal aqueous dispersion of polyaniline nanotubes grafted non-covalently with poly(ethylene) Tj ETQq0 0 0 rgBTj Overlock 10 Tf 50 2	2.1	11
10501	Filament stretching of carbon nanotube suspensions. <i>Rheologica Acta</i> , 2008, 47, 447-457.	2.4	43
10502	Development of automated microrobot-based nanohandling stations for nanocharacterization. <i>Microsystem Technologies</i> , 2008, 14, 463-474.	2.0	15
10503	Effects of shear deformation on vibration of doublewalled carbon nanotubes embedded in an elastic medium. <i>Archive of Applied Mechanics</i> , 2008, 78, 711-723.	2.2	44
10504	Review of Recent Research on Nanoparticle Production in Thailand. <i>Advanced Powder Technology</i> , 2008, 19, 443-457.	4.1	17
10505	Direct fabrication of cerium oxide hollow nanofibers by electrospinning. <i>Journal of Rare Earths</i> , 2008, 26, 664-669.	4.8	126

#	ARTICLE	IF	CITATIONS
10506	Self-assembling peptide nanotubes. Nano Today, 2008, 3, 22-30.	11.9	266
10507	Carbon nanotube-based neat fibers. Nano Today, 2008, 3, 24-34.	11.9	255
10508	Application of Carbon Nanotube Modified Electrode in Bioelectroanalysis. Chinese Journal of Analytical Chemistry, 2008, 36, 1011-1016.	1.7	38
10509	Biodistribution and clearance of instilled carbon nanotubes in rat lung. Particle and Fibre Toxicology, 2008, 5, 20.	6.2	105
10510	Copolyester nanocomposites based on carbon nanotubes: reinforcement effect of carbon nanotubes on viscoelastic and dielectric properties of nanocomposites. Polymer International, 2008, 57, 114-123.	3.1	31
10511	Interfacial polymerization of morphologically modified polyaniline: from hollow microspheres to nanowires. Polymer International, 2008, 57, 337-341.	3.1	74
10512	From carbon nanotube coatings to high-performance polymer nanocomposites. Polymer International, 2008, 57, 547-553.	3.1	73
10513	Manufacturing technologies of polymeric nanofibres and nanofibre yarns. Polymer International, 2008, 57, 837-845.	3.1	140
10514	Nanocomposites based on polyolefins and functional thermoplastic materials. Polymer International, 2008, 57, 805-836.	3.1	124
10515	Preparation and characterization of multiwalled carbon nanotubes/polymer gradient composite films. Polymer International, 2008, 57, 927-931.	3.1	4
10516	Nonisothermal crystallization kinetics and thermomechanical properties of multiwalled carbon nanotube-reinforced poly(ϵ -caprolactone) composites. Polymer International, 2008, 57, 1052-1066.	3.1	40
10517	<i>In Situ</i> Synthesis of Carbon Nanotubes on Heated Scanning Probes Using Dip Pen Techniques. Scanning, 2008, 30, 151-158.	1.5	8
10518	The Nature of Graphite- and Pyridinelike Nitrogen Configurations in Carbon Nitride Nanotubes: Dependence on Diameter and Helicity. Small, 2008, 4, 437-441.	10.0	44
10519	Carbon Nanotubes with High Bone-Tissue Compatibility and Bone-Formation Acceleration Effects. Small, 2008, 4, 240-246.	10.0	254
10520	Enhanced Mechanical Properties of Prestressed Multiwalled Carbon Nanotubes. Small, 2008, 4, 733-737.	10.0	30
10521	Polyaniline-Coated Fe ₃ O ₄ Nanoparticle-Carbon Nanotube Composite and its Application in Electrochemical Biosensing. Small, 2008, 4, 462-466.	10.0	177
10522	Carbon Nanotubes with an Extended Line Defect. Small, 2008, 4, 2209-2213.	10.0	19
10523	Self-Assembly of Single-Stranded RNA on Carbon Nanotube: Polyadenylic Acid to Form a Duplex Structure. Small, 2008, 4, 656-661.	10.0	49

#	ARTICLE	IF	CITATIONS
10524	Creating a Uniform Distribution of Fullerene C ₆₀ Nanorods in a Polymer Matrix and its Photovoltaic Applications. Small, 2008, 4, 601-606.	10.0	69
10525	Structural, Electrical, and Photoconductive Properties of Individual Single-Crystalline Tellurium Nanotubes Synthesized by a Chemical Route: Doping Effects on Electrical Structure. Small, 2008, 4, 888-893.	10.0	41
10526	Multiscale Stochastic Simulations for Tensile Testing of Nanotube-Based Macroscopic Cables. Small, 2008, 4, 1044-1052.	10.0	48
10527	Towards an Ultrasensitive Method for the Determination of Metal Impurities in Carbon Nanotubes. Small, 2008, 4, 1476-1484.	10.0	124
10528	Debundling, Isolation, and Identification of Carbon Nanotubes in Electrospun Nanofibers. Small, 2008, 4, 930-933.	10.0	18
10529	In Situ Tailoring and Manipulation of Carbon Nanotubes. Small, 2008, 4, 2195-2198.	10.0	11
10530	Nature of Atomic and Molecular Nitrogen Configurations in TiO ₂ /N Nanotubes and Tailored Energy Storage Performance on Selective Doping of Atomic N States. Small, 2008, 4, 1682-1686.	10.0	33
10531	Fabrication of carbon nanotubes and byproducts by arc discharge in DC motors. IEEJ Transactions on Electrical and Electronic Engineering, 2008, 3, 664-668.	1.4	1
10532	Reactivity of silicon-doped carbon nanotubes toward small gaseous molecules in the atmosphere. International Journal of Quantum Chemistry, 2008, 108, 203-209.	2.0	26
10533	First-principles simulations of chiral double-wall carbon nanotubes. International Journal of Quantum Chemistry, 2008, 108, 2943-2949.	2.0	1
10534	Preparation of single-walled carbon nanotubes-induced poly(p-coxybenzoyl) crystals. Journal of Polymer Science Part A, 2008, 46, 1265-1277.	2.3	2
10535	Self-assembled organic nanotubes: Toward attoliter chemistry. Journal of Polymer Science Part A, 2008, 46, 2601-2611.	2.3	68
10536	Nylon 610/functionalized multiwalled carbon nanotube composite prepared from <i>in situ</i> interfacial polymerization. Journal of Polymer Science Part A, 2008, 46, 6041-6050.	2.3	28
10537	Click-coupling between alkyne-decorated multiwalled carbon nanotubes and reactive PDMA-PNIPAM micelles. Journal of Polymer Science Part A, 2008, 46, 7187-7199.	2.3	60
10538	Isothermal and nonisothermal crystallization kinetics of nylon 6/functionalized multi-walled carbon nanotube composites. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 158-169.	2.1	41
10539	The absorption and diffusion of polyethylene chains on the carbon nanotube: The molecular dynamics study. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 272-280.	2.1	15
10540	Uniaxially aligned carbon nanofibers derived from electrospun precursor yarns. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 305-310.	2.1	14
10541	Improving the dispersion and interfaces in polymer-carbon nanotube nanocomposites by sample preparation choice. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 1747-1759.	2.1	10

#	ARTICLE	IF	CITATIONS
10542	Synthesis of polyaniline/multiwall carbon nanotube composite via inverse emulsion polymerization. Journal of Polymer Science, Part B: Polymer Physics, 2008, 46, 2255-2266.	2.1	30
10543	Thermoelectrical and optical properties of double wall carbon nanotubes: polyaniline containing boron n-type organic semiconductors. Polymers for Advanced Technologies, 2008, 19, 905-908.	3.2	14
10544	Preparation and properties of natural rubber composites reinforced with pretreated carbon nanotubes. Polymers for Advanced Technologies, 2008, 19, 1543-1549.	3.2	62
10545	Synthesis and characterization of polyaniline-multiwalled carbon nanotube nanocomposites in the presence of sodium dodecyl sulfate. Polymers for Advanced Technologies, 2008, 19, 1754-1762.	3.2	89
10546	Electrical and mechanical properties of multiwalled carbon nanotubes reinforced PMMA and PS composites. Polymer Composites, 2008, 29, 717-727.	4.6	182
10547	Electrical conductivity and microwave absorbing properties of nickel-coated multiwalled carbon nanotubes/poly(phthalazinone ether sulfone ketone)s composites. Polymer Engineering and Science, 2008, 48, 1007-1014.	3.1	37
10548	Crystallization and thermal behavior of multiwalled carbon nanotube/poly(butylene terephthalate) composites. Polymer Engineering and Science, 2008, 48, 1057-1067.	3.1	53
10549	Tailoring the diameter, density and number of walls of carbon nanotubes through predefined catalyst particles. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1382-1385.	1.8	16
10550	Synthesis of dendrimer-carbon nanotube conjugates. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1402-1407.	1.8	12
10551	Electrodeposition study of ODN:SWCNT hybrids on gold substrates. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1408-1411.	1.8	1
10552	Influence of a constant electric field in cavities of nanotubes. Bloch oscillations and electron confinement. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1276-1280.	1.8	0
10553	Unifying catalyst size dependencies in floating catalyst and supported catalyst carbon nanotube synthesis. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1386-1390.	1.8	1
10554	Novel route for preparation of tubular TiO ₂ microstructures. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1511-1514.	1.8	10
10555	Pressure- and orientation-dependent linear optical absorption spectra of radially deformed single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 689-694.	1.5	14
10556	In situ observations of carbon nanotube generation in CVD cell coupled to spectrometers. Physica Status Solidi (B): Basic Research, 2008, 245, 1931-1934.	1.5	4
10557	Epitaxial graphene: a new material. Physica Status Solidi (B): Basic Research, 2008, 245, 1436-1446.	1.5	173
10558	Carrier density and effective mass calculations in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 2558-2562.	1.5	61
10559	In situ observation on Raman spectra and transport properties of single-wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2008, 245, 2209-2211.	1.5	1

#	ARTICLE	IF	CITATIONS
10560	Dielectrophoretically assembled carbon nanotube-metal hybrid structures with reduced contact resistance. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2311-2314.	1.5	14
10561	Comparative study on thermal and plasma enhanced CVD grown carbon nanotubes from gas phase prepared elemental and binary catalyst particles. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 1919-1922.	1.5	7
10562	High frequency electron spin resonance study of peapods. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2029-2033.	1.5	5
10563	Can nanotubes display auxetic behaviour?. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 2373-2382.	1.5	32
10564	Incorporation of Multi-Walled Carbon Nanotubes into Biodegradable Telechelic Prepolymers. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 315-321.	2.2	15
10565	A Novel Route for Polystyrene Grafted Single-Walled Carbon Nanotubes and their Characterization. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1137-1144.	2.2	15
10566	Facile Synthesis and Characterization of Novel Capsicum-Like Polyphosphazene Nanotubes via an in situ Template Route. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 1845-1850.	2.2	18
10567	Use of Single-Walled Carbon Nanotubes as Reinforcing Fillers in UV-Curable Epoxy Systems. <i>Macromolecular Materials and Engineering</i> , 2008, 293, 708-713.	3.6	20
10568	Antistatic Epoxy Coatings With Carbon Nanotubes Obtained by Cationic Photopolymerization. <i>Macromolecular Rapid Communications</i> , 2008, 29, 396-400.	3.9	77
10569	Supramolecular Gels Based on Multi-Walled Carbon Nanotubes Bearing Covalently Attached Cyclodextrin and Water-Soluble Guest Polymers. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1208-1211.	3.9	19
10570	Functionalization of Multi-Walled Carbon Nanotubes by Thermo-Grafting with <i>l</i> -Methylstyrene-Containing Copolymers. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1521-1526.	3.9	15
10571	Mass spectrometry analysis of new chemical entities for pharmaceutical discovery. <i>Mass Spectrometry Reviews</i> , 2008, 27, 20-34.	5.4	29
10572	Multiwalled carbon nanotubes as solid-phase extraction materials for the gas chromatographic determination of organophosphorus pesticides in waters. <i>Journal of Separation Science</i> , 2008, 31, 3612-3619.	2.5	35
10573	Nanotube and Three-Way Nanotube Formation with Nonionic Amphiphilic Block Peptides. <i>Macromolecular Bioscience</i> , 2008, 8, 1026-1033.	4.1	69
10574	Creation of Hierarchical Carbon Nanotube Assemblies through Alternative Packing of Complementary Semi-Artificial β -1,3-Glucan/Carbon Nanotube Composites. <i>Chemistry - A European Journal</i> , 2008, 14, 2398-2404.	3.3	51
10575	Regulation of the Near-IR Spectral Properties of Individually Dissolved Single-Walled Carbon Nanotubes in Aqueous Solutions of dsDNA. <i>Chemistry - A European Journal</i> , 2008, 14, 5966-5973.	3.3	31
10576	On the Mechanism of the Thermal Retrocycloaddition of Pyrrolidinofullerenes (Retro-Prato) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102</i>	3.3	56
10577	Carbon-Nanotube-Alginate Composite Modified Electrode Fabricated by In Situ Gelation for Capillary Electrophoresis. <i>Chemistry - A European Journal</i> , 2008, 14, 9779-9785.	3.3	33

#	ARTICLE	IF	CITATIONS
10578	Polymere Nanokomposite mit anorganischen Funktionsfüllstoffen. Chemie-Ingenieur-Technik, 2008, 80, 1683-1699.	0.8	15
10579	Application of the higher-order Cauchy-Born rule in mesh-free continuum and multiscale simulation of carbon nanotubes. International Journal for Numerical Methods in Engineering, 2008, 75, 1238-1258.	2.8	54
10580	Preparation and Characterization of Polycarbonate Modified Multiple-walled Carbon Nanotubes. Chinese Journal of Chemistry, 2008, 26, 560-563.	4.9	16
10581	Effect of Surface Decoration of CNTs on the Interfacial Interaction and Microstructure of Epoxy/MWNT Nanocomposites. ChemPhysChem, 2008, 9, 1046-1052.	2.1	26
10582	Structural Characteristics of Hydrogenated Carbon and Boron Nitride Nanotubes: Impact of H ₂ /H Interactions. ChemPhysChem, 2008, 9, 2390-2396.	2.1	9
10583	Observation of the growth of carbon nanotubes prepared at low temperature. Crystal Research and Technology, 2008, 43, 949-952.	1.3	1
10584	The Preparation and CVD Densification of Multi-walled Carbon Nanotube Felt Synthesized by a Catalytic CVD Method. Chemical Vapor Deposition, 2008, 14, 40-45.	1.3	10
10585	Investigation on Nanodiamond and Carbon Nanotube-Diamond Nanocomposite Synthesized using RF-PECVD. Chemical Vapor Deposition, 2008, 14, 236-240.	1.3	6
10586	Nanotubes Made from Deeply Undercooled Cryolite/Alumina Melts. Helvetica Chimica Acta, 2008, 91, 1389-1399.	1.6	3
10587	Insertion of C ₅₀ into single-walled carbon nanotubes: Selectivity in interwall spacing and C ₅₀ isomers. Journal of Computational Chemistry, 2008, 29, 781-787.	3.3	8
10588	Highly Stable Pd-Based Catalytic Nanoarchitectures for Low Temperature Fuel Cells. Fuel Cells, 2008, 8, 429-435.	2.4	34
10589	The Synthesis of Multiwalled Rare-Earth Phosphate Nanomaterials Using Organophosphates with Upconversion Properties. European Journal of Inorganic Chemistry, 2008, 2008, 2033-2037.	2.0	14
10590	Voltammetric Detection of Ofloxacin in Human Urine at a Congo Red Functionalized Water-Soluble Carbon Nanotube Film Electrode. Electroanalysis, 2008, 20, 144-149.	2.9	26
10591	Amperometric Glucose Biosensor on Layer by Layer Assembled Carbon Nanotube and Polypyrrole Multilayer Film. Electroanalysis, 2008, 20, 150-156.	2.9	69
10592	Real-Time Nitrophenol Detection Using Single-Walled Carbon Nanotube Based Devices. Electroanalysis, 2008, 20, 558-562.	2.9	24
10593	Electrocatalytic Behavior of Glassy Carbon Electrodes Modified with Multiwalled Carbon Nanotubes and Cobalt Phthalocyanine for Selective Analysis of Dopamine in Presence of Ascorbic Acid. Electroanalysis, 2008, 20, 851-857.	2.9	86
10594	Nanocomposites: From Fabrications to Electrochemical Bioapplications. Electroanalysis, 2008, 20, 648-662.	2.9	144
10595	Functionalized Multiwalled Carbon Nanotubes Through In Situ Electropolymerization of Brilliant Cresyl Blue for Determination of Epinephrine. Electroanalysis, 2008, 20, 1143-1146.	2.9	46

#	ARTICLE	IF	CITATIONS
10596	Fabrication and Application of a Novel Modified Electrode Based on Multiwalled Nanotubes/Cerium(III) 12-tungstophosphoric Acid Nanocomposite. <i>Electroanalysis</i> , 2008, 20, 1234-1240.	2.9	11
10597	Paste Electrode Based on Short Single-Walled Carbon Nanotubes and Room Temperature Ionic Liquid: Preparation, Characterization and Application in DNA Detection. <i>Electroanalysis</i> , 2008, 20, 1361-1366.	2.9	36
10598	Fabrication, Characterization, and Application of a "Sandwich-Type" Electrode Based on Single-Walled Carbon Nanotubes and Room Temperature Ionic Liquid. <i>Electroanalysis</i> , 2008, 20, 1909-1916.	2.9	6
10599	Glassy Carbon Electrodes Modified with Multiwall Carbon Nanotubes Dispersed in Polylysine. <i>Electroanalysis</i> , 2008, 20, 1623-1631.	2.9	37
10600	Direct Electrochemistry and Electrocatalysis of Myoglobin Immobilized on Gold Nanoparticles/Carbon Nanotubes Nanohybrid Film. <i>Electroanalysis</i> , 2008, 20, 1925-1931.	2.9	28
10601	Electrochemistry of Nitrogen-Doped Carbon Nanotubes (CN _x) with Different Nitrogen Content and Its Application in Simultaneous Determination of Dihydroxybenzene Isomers. <i>Electroanalysis</i> , 2008, 20, 1981-1986.	2.9	71
10602	Voltammetric Determination of Phenoxybenzyl-Type Insecticides at Chemically Modified Conducting Polymer-Carbon Nanotubes Coated Electrodes. <i>Electroanalysis</i> , 2008, 20, 2076-2083.	2.9	16
10603	Electrochemistry and Electrocatalysis of Hemoglobin on a Pyrenebutanoic Acid Succinimidyl Ester/Multiwalled Carbon Nanotube and Au Nanoparticle Modified Electrode. <i>Electroanalysis</i> , 2008, 20, 2134-2140.	2.9	22
10604	Multilayer Assembly of Hemoglobin and Colloidal Gold Nanoparticles on Multiwall Carbon Nanotubes/Chitosan Composite for Detecting Hydrogen Peroxide. <i>Electroanalysis</i> , 2008, 20, 2141-2147.	2.9	17
10605	Synthesis and Characterization of Novel Nanophase Hexagonal Poly(2,5-dimethoxyaniline). <i>Electroanalysis</i> , 2008, 20, 2347-2353.	2.9	19
10606	Ultrasensitive Voltammetric Detection of Trace Lead(II) and Cadmium(II) Using MWCNTs-Nafion/Bismuth Composite Electrodes. <i>Electroanalysis</i> , 2008, 20, 2655-2662.	2.9	159
10607	Carbon nanotube disposable detectors in microchip capillary electrophoresis for water-soluble vitamin determination: Analytical possibilities in pharmaceutical quality control. <i>Electrophoresis</i> , 2008, 29, 2997-3004.	2.4	59
10608	Microchips for CE: Breakthroughs in real-world food analysis. <i>Electrophoresis</i> , 2008, 29, 4852-4861.	2.4	68
10609	Higher order structure of (1,3)-D-glucans and its influence on their biological activities and complexation abilities. <i>Biopolymers</i> , 2008, 89, 310-321.	2.4	156
10610	Chemical modification of multiwalled carbon nanotube with the liquid phase method. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1655-1660.	2.6	35
10611	Electrocatalysis and determination of uracil on polythionine/multiwall carbon nanotubes modified electrode. <i>Journal of Applied Polymer Science</i> , 2008, 107, 3173-3178.	2.6	10
10612	Mechanical and surface properties of polyurethane/fluorinated multi-walled carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2023-2028.	2.6	32
10613	Polymer nanocomposites containing carbon nanotubes and miscible polymer blends based on poly[ethylene-co-(acrylic acid)]. <i>Journal of Applied Polymer Science</i> , 2008, 108, 1462-1472.	2.6	10

#	ARTICLE	IF	CITATIONS
10614	Linear viscoelastic properties and crystallization behavior of multiwalled carbon nanotube/polypropylene composites. <i>Journal of Applied Polymer Science</i> , 2008, 108, 1506-1513.	2.6	47
10615	Preparation and tribological properties of poly(methyl methacrylate)/styrene/MWNTs copolymer nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008, 108, 1675-1679.	2.6	22
10616	Polyaniline-multiwalled carbon nanotube composites: Characterization by WAXS and TGA. <i>Journal of Applied Polymer Science</i> , 2008, 109, 200-210.	2.6	27
10617	Electrical properties of poly(phenylene sulfide)/multiwalled carbon nanotube composites prepared by simple mixing and compression. <i>Journal of Applied Polymer Science</i> , 2008, 109, 720-726.	2.6	43
10618	Carboxylated multiwall carbon nanotube-reinforced thermotropic liquid crystalline polymer nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008, 109, 388-396.	2.6	16
10619	Fabrication of DBSA-doped polyaniline nanorods by interfacial polymerization. <i>Journal of Applied Polymer Science</i> , 2008, 109, 2842-2847.	2.6	61
10620	Toughening of cycloaliphatic epoxy resin by multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1351-1357.	2.6	38
10621	Amino-functionalized multiple-walled carbon nanotubes-polyimide nanocomposite films fabricated by <i>in situ</i> polymerization. <i>Journal of Applied Polymer Science</i> , 2008, 110, 701-705.	2.6	27
10622	Investigation of the ultradrawing properties of gel spun fibers of ultra-high molecular weight polyethylene/carbon nanotube blends. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2538-2548.	2.6	32
10623	Thermal stability, crystallization behavior, and phase morphology of poly(ϵ -caprolactone)diol-grafted-multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2008, 110, 1550-1558.	2.6	30
10624	Polymer-modified halloysite composite nanotubes. <i>Journal of Applied Polymer Science</i> , 2008, 110, 3638-3646.	2.6	69
10625	Cure behavior and thermal stability analysis of multiwalled carbon nanotube/epoxy resin nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008, 110, 2980-2988.	2.6	58
10626	Preparation and characterization of multiwalled carbon nanotube/poly(ethylene terephthalate) nanoweb. <i>Journal of Applied Polymer Science</i> , 2008, 110, 4055-4063.	2.6	43
10627	Inorganic Nanoparticles as Carriers of Nucleic Acids into Cells. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1382-1395.	13.8	521
10628	Growth of Aligned TiO_2 Bamboo-Type Nanotubes and Highly Ordered Nanolace. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1916-1919.	13.8	195
10629	Carbon Nanotube Gas and Vapor Sensors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6550-6570.	13.8	744
10630	Life as a Nanoscale Phenomenon. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5306-5320.	13.8	264
10631	Reversible Solubilization and Precipitation of Carbon Nanotubes through Oxidation-Reduction Reactions of a Solubilizing Agent. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 4577-4580.	13.8	46

#	ARTICLE	IF	CITATIONS
10632	Carbon Nanotube Triggered Self-Assembly of Oligo(<i>p</i> -phenylene vinylene)s to Stable Hybrid Hydrogels. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5746-5749.	13.8	119
10633	Bioinspired Superhydrophobic Coatings of Carbon Nanotubes and Linear Polymers...Systems Based on the "Bottom-Up" Self-Assembly Approach. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5750-5754.	13.8	155
10634	Metallic Li in carbonaceous nanotubes grown by metalorganic chemical vapor deposition from a metalorganic precursor. <i>Applied Organometallic Chemistry</i> , 2008, 22, 647-658.	3.5	4
10635	Carbonization of oriented polyacrylonitrile and multiwalled carbon nanotube composite films. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2008, 3, 521-526.	1.5	6
10636	Functionalizing Carbon Nanotubes by Grafting on Intumescent Flame Retardant: Nanocomposite Synthesis, Morphology, Rheology, and Flammability. <i>Advanced Functional Materials</i> , 2008, 18, 414-421.	14.9	230
10637	Template Synthesis of Aligned Carbon Nanotube Arrays using Glucose as a Carbon Source: Pt Decoration of Inner and Outer Nanotube Surfaces for Fuel Cell Catalysts. <i>Advanced Functional Materials</i> , 2008, 18, 959-964.	14.9	149
10638	One-Step Ionic-Liquid-Assisted Electrochemical Synthesis of Ionic-Liquid-Functionalized Graphene Sheets Directly from Graphite. <i>Advanced Functional Materials</i> , 2008, 18, 1518-1525.	14.9	945
10639	Hydroxyapatite Modified with Carbon Nanotube-Reinforced Poly(methyl methacrylate): A Nanocomposite Material for Biomedical Applications. <i>Advanced Functional Materials</i> , 2008, 18, 694-700.	14.9	109
10640	Syntheses, Properties and Electrochemical Activity of Carbon Microtubes Modified with Amino Groups. <i>Advanced Functional Materials</i> , 2008, 18, 1809-1823.	14.9	29
10641	A Facile Strategy for Preparation of Fluorescent SWNT Complexes with High Quantum Yields Based on Ion Exchange. <i>Advanced Functional Materials</i> , 2008, 18, 857-864.	14.9	34
10642	Fullerene Resist Materials for the 32-nm Node and Beyond. <i>Advanced Functional Materials</i> , 2008, 18, 1977-1982.	14.9	26
10643	Ordered Mesoporous Carbon/Fused Silica Composites. <i>Advanced Functional Materials</i> , 2008, 18, 2995-3002.	14.9	223
10644	Preparation, Characterization, and Application of L-Cysteine Functionalized Multiwalled Carbon Nanotubes as a Selective Sorbent for Separation and Preconcentration of Heavy Metals. <i>Advanced Functional Materials</i> , 2008, 18, 1536-1543.	14.9	122
10645	Rectangular AgIn(WO ₄) ₂ Nanotubes: A Promising Photoelectric Material. <i>Advanced Functional Materials</i> , 2008, 18, 2328-2334.	14.9	88
10646	Directed Self-Assembly of Gradient Concentric Carbon Nanotube Rings. <i>Advanced Functional Materials</i> , 2008, 18, 2114-2122.	14.9	77
10647	A Novel Method of Synthesis of Dense Arrays of Aligned Single Crystalline Copper Nanotubes Using Electrodeposition in the Presence of a Rotating Electric Field. <i>Advanced Materials</i> , 2008, 20, 149-154.	21.0	45
10648	Superelastic and Spring Properties of Si ₃ N ₄ Microcoils. <i>Advanced Materials</i> , 2008, 20, 1738-1743.	21.0	55
10649	In Situ Self-Assembly of Thin ZnO Nanoplatelets into Hierarchical Mesocrystal Microtubules with Surface Grafting of Nanorods: A General Strategy towards Hollow Mesocrystal Structures. <i>Advanced Materials</i> , 2008, 20, 339-342.	21.0	92

#	ARTICLE	IF	CITATIONS
10650	Helical Crystals with a Sixfold Screw Axis. <i>Advanced Materials</i> , 2008, 20, 462-465.	21.0	21
10651	CNFs@CNTs: Superior Carbon for Electrochemical Energy Storage. <i>Advanced Materials</i> , 2008, 20, 1450-1455.	21.0	135
10652	Development of Novel Carbon Nanotube/Photopolymer Nanocomposites with High Conductivity and their Application to Nanoimprint Photolithography. <i>Advanced Materials</i> , 2008, 20, 2151-2155.	21.0	52
10653	Mass Productions of Vertically Aligned Extremely Long Metallic Micro/Nanowires Using Fiber Drawing Nanomanufacturing. <i>Advanced Materials</i> , 2008, 20, 1310-1314.	21.0	39
10654	Turning PMMA Nanofibers into Graphene Nanoribbons by In Situ Electron Beam Irradiation. <i>Advanced Materials</i> , 2008, 20, 3284-3288.	21.0	77
10655	Dynamic Imaging of Functionalized Multi-Walled Carbon Nanotube Systemic Circulation and Urinary Excretion. <i>Advanced Materials</i> , 2008, 20, 225-230.	21.0	196
10656	Multiwalled HgX (X=S, Se, Te) Nanotubes Formed with a Mercury Iodide Catalyst in Nanocrystalline Thin Films Spray-Deposited at Low Temperature. <i>Advanced Materials</i> , 2008, 20, 1945-1951.	21.0	14
10657	A Doping-Free Carbon Nanotube CMOS Inverter-Based Bipolar Diode and Ambipolar Transistor. <i>Advanced Materials</i> , 2008, 20, 3258-3262.	21.0	66
10658	Fabrication and Characterization of Ultrahigh-Volume-Fraction Aligned Carbon Nanotube-Polymer Composites. <i>Advanced Materials</i> , 2008, 20, 2707-2714.	21.0	245
10659	The Intramolecular Junctions of Carbon Nanotubes. <i>Advanced Materials</i> , 2008, 20, 2815-2841.	21.0	126
10660	Low-Dimensional Nanomaterials Based on Small Organic Molecules: Preparation and Optoelectronic Properties. <i>Advanced Materials</i> , 2008, 20, 2859-2876.	21.0	384
10661	Formation of Double-Walled TiO ₂ Nanotubes and Robust Anatase Membranes. <i>Advanced Materials</i> , 2008, 20, 4135-4139.	21.0	157
10662	Template-Based Synthesis and Magnetic Properties of Cobalt Nanotube Arrays. <i>Advanced Materials</i> , 2008, 20, 4575-4578.	21.0	92
10663	Simply Modified Chiral Diphosphine: Catalyst Recycling <i>via</i> Non-covalent Absorption on Carbon Nanotubes. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 1013-1016.	4.3	55
10664	Postsynthesis microwave treatment to give high-purity multiwalled carbon nanotubes. <i>AIChE Journal</i> , 2008, 54, 3303-3307.	3.6	19
10672	Graphene and Carbon Nanotubes. , 0, , 291-324.		1
10674	Multi-Walled Carbon Nanotube-Reinforced Hydroxyapatite Layers on Ti6Al4V Medical Implants by Electrophoretic Deposition (EPD). <i>Advanced Engineering Materials</i> , 2008, 10, 131-138.	3.5	89
10675	Poly(aniline-2-sulfonic acid) modified multiwalled carbon nanotubes with good aqueous dispersibility. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 199-205.	9.4	17

#	ARTICLE	IF	CITATIONS
10676	Development of porosity in carbons from yeast grains by activation with alkali metal carbonates. Journal of Colloid and Interface Science, 2008, 319, 381-383.	9.4	17
10677	Adsorption and desorption of atrazine on carbon nanotubes. Journal of Colloid and Interface Science, 2008, 321, 30-38.	9.4	203
10678	Fabrication of silica nanotubes using silica coated multi-walled carbon nanotubes as the template. Journal of Colloid and Interface Science, 2008, 322, 321-326.	9.4	67
10679	Surface complexation modeling of Sr(II) and Eu(III) adsorption onto oxidized multiwall carbon nanotubes. Journal of Colloid and Interface Science, 2008, 323, 33-41.	9.4	163
10680	Preparation and characterization of composite polyaniline materials for catalytic purposes. Journal of Colloid and Interface Science, 2008, 325, 414-418.	9.4	15
10681	Fluid dynamic analysis of gas flow in a thermal-CVD system designed for growth of carbon nanotubes. Journal of Crystal Growth, 2008, 310, 477-483.	1.5	23
10682	Rapid growth and photoluminescence properties of doped ZnS one-dimensional nanostructures. Journal of Crystal Growth, 2008, 310, 3240-3246.	1.5	21
10683	Single-crystalline SmB ₆ nanowires. Journal of Crystal Growth, 2008, 310, 3443-3447.	1.5	18
10684	Morphology preservation and crystallinity improvement in the thermal conversion of the hydrothermal synthesized MgBO ₂ (OH) nanowhiskers to Mg ₂ B ₂ O ₅ nanowhiskers. Journal of Crystal Growth, 2008, 310, 4262-4267.	1.5	32
10685	Sn-filled Si nanotubes fabricated by the facile DC arc discharge method and their photoluminescence property. Journal of Crystal Growth, 2008, 310, 4412-4416.	1.5	1
10686	Effects of nitrogen substitutional doping on the electronic transport of carbon nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 462-466.	2.7	40
10687	First principles study of the band structure and dielectric function of (6,6) single-walled zinc oxide nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 499-502.	2.7	20
10688	Diffusion of small hydrocarbon radicals on the outer wall of a carbon nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 542-549.	2.7	7
10689	Mechanical buckling of multi-walled carbon nanotubes: The effects of slenderness ratio. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1305-1308.	2.7	26
10690	Excitation loss spectra of finite carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1407-1409.	2.7	0
10691	Preparation and characterization of soluble methyl- β -cyclodextrin functionalized single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 689-692.	2.7	34
10692	Multi-wall carbon nanotubes: Purification, morphology and field emission performance. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2322-2326.	2.7	41
10693	Magnetoelectronic properties of finite double-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2053-2055.	2.7	0

#	ARTICLE	IF	CITATIONS
10694	Nitrogen-induced nanostructure formation in hydrogenated amorphous carbon films doped with nitrogen. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 709-713.	2.7	1
10695	Adsorption energy distribution of carbon tetrachloride on carbon nanofiber arrays prepared by template synthesis. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 814-821.	2.7	9
10696	High specific surface area porous SiC ceramics coated with reticulated amorphous SiC nanowires. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2540-2544.	2.7	5
10697	Density functional calculations of ^{14}N and ^{11}B NQR parameters in the H-capped (6,0) and (4,4) single-walled BN nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 800-804.	2.7	38
10698	Elastic buckling analysis of single-walled carbon nanotube under combined loading by using the ANSYS software. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2390-2395.	2.7	38
10699	Photoluminescence and Raman analysis of ZnO nanowires deposited on Si(100) via vapor-liquid-solid process. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 920-923.	2.7	78
10700	Low-temperature synthesis of one-dimensional ZnO nanostructures on screen-printed carbon nanotube films. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2526-2530.	2.7	11
10701	Local growth of aligned carbon nanotubes at surface sites irradiated by pulsed laser. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2223-2226.	2.7	8
10702	Quantum chemical treatment of doped defected carbon nanocapsules. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2752-2760.	2.7	3
10703	Sound wave propagation in single-walled carbon nanotubes using nonlocal elasticity. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2791-2799.	2.7	236
10704	Temperature-dependent Coulomb scattering rates of Fermi-momentum states in metallic carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2720-2723.	2.7	0
10705	Dimensionally hybrid Green's functions for impurity scattering in the presence of interfaces. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2973-2976.	2.7	10
10706	Ab initio density functional theory investigation of electronic properties of semiconducting single-walled carbon nanotube bundles. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 3055-3059.	2.7	12
10707	Chemical attachment of dibromocarbene to carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 181-184.	2.7	10
10708	Density functional study of zigzag BN nanotubes with equivalent ends. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 3060-3063.	2.7	37
10709	Polyethylene glycol-assisted hydrothermal growth of magnetite nanowires: Synthesis and magnetic properties. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 3131-3136.	2.7	30
10710	Length-dependent resistance model for a single-wall carbon nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 74-79.	2.7	7
10711	A computational NMR study on zigzag aluminum nitride nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 209-212.	2.7	33

#	ARTICLE	IF	CITATIONS
10712	Density functional calculations on 11B and 15N chemical shielding tensors of small boron nitride nanotubes and graphitic sheet. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 41, 124-129.	2.7	1
10713	Fluorination of multi-walled carbon nanotubes (MWNTs) via surface wave microwave (SW-MW) plasma treatment. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 41, 299-303.	2.7	34
10714	Spin polarization in carbon nanostructures with disclinations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 2315-2318.	2.1	6
10715	Spin-flip shot noise in a quantum dot coupled to carbon nanotube terminals responded by a rotating magnetic field. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 2714-2719.	2.1	3
10716	Torsion induced by axial strain of double-walled carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 3488-3492.	2.1	27
10717	A quantum pseudodot system with a two-dimensional pseudoharmonic potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 3852-3856.	2.1	101
10718	Fabrication and characterization of amorphous silica nanostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4622-4626.	2.1	12
10719	Simulation of STM technique for electron transport through boron-nitride nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4839-4844.	2.1	7
10720	Metal-free spin channels in graphitic boron-nitrogen nanostructures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 5492-5497.	2.1	0
10721	First principles study of Eu doped carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6677-6680.	2.1	19
10722	Structure and electronic properties of native and defected gallium nitride nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6935-6939.	2.1	36
10723	Specific heat of super carbon nanotube and its chirality independence. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 6960-6964.	2.1	11
10724	Radial breathing-like mode of wide carbon nanoribbon. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 7183-7186.	2.1	11
10725	Preparation of silicon carbide film by a plasma focus device. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 7179-7182.	2.1	31
10726	Synthesis, characterization and catalytic oxyfunctionalization of cyclohexene with tert-butylhydroperoxide over a manganese(II) complex covalently anchored to multi-wall carbon nanotubes (MWNTs). <i>Polyhedron</i> , 2008, 27, 3653-3661.	2.2	35
10727	Effect of acid treated multi-walled carbon nanotubes on the mechanical, permeability, thermal properties and thermo-oxidative stability of isotactic polypropylene. <i>Polymer Degradation and Stability</i> , 2008, 93, 952-967.	5.8	200
10728	Effects of acid- and diamine-modified MWNTs on the mechanical properties and crystallization behavior of polyamide 6. <i>Polymer</i> , 2008, 49, 610-620.	3.8	189
10729	Effect of chemisorption on the interfacial bonding characteristics of carbon nanotube-polymer composites. <i>Polymer</i> , 2008, 49, 800-808.	3.8	96

#	ARTICLE	IF	CITATIONS
10730	In situ preparation and continuous fiber spinning of poly(p-phenylene benzobisoxazole) composites with oligo-hydroxyamide-functionalized multi-walled carbon nanotubes. <i>Polymer</i> , 2008, 49, 2520-2530.	3.8	85
10731	Polymers with aligned carbon nanotubes: Active composite materials. <i>Polymer</i> , 2008, 49, 3841-3854.	3.8	186
10732	Microwave heating coupled with ionic liquids: Synthesis and properties of novel optically active polyamides, thermal degradation and electrochemical stability on multi-walled carbon nanotubes electrode. <i>Polymer</i> , 2008, 49, 3239-3249.	3.8	44
10733	Effect of electrically inert particulate filler on electrical resistivity of polymer/multi-walled carbon nanotube composites. <i>Polymer</i> , 2008, 49, 3826-3831.	3.8	135
10734	Preparation and properties of biodegradable PBS/multi-walled carbon nanotube nanocomposites. <i>Polymer</i> , 2008, 49, 4602-4611.	3.8	123
10735	Functionalized multi-walled carbon nanotubes improve nonisothermal crystallization of poly(ethylene terephthalate). <i>Polymer Testing</i> , 2008, 27, 179-188.	4.8	58
10736	The mass production of carbon nanotubes using a nano-agglomerate fluidized bed reactor: A multiscale space-time analysis. <i>Powder Technology</i> , 2008, 183, 10-20.	4.2	146
10737	Measuring elastic property of single-walled carbon nanotubes by nanoindentation: A theoretical framework. <i>Mechanics Research Communications</i> , 2008, 35, 256-267.	1.8	6
10738	Multiscale modeling with carbon nanotubes. <i>Microelectronics Journal</i> , 2008, 39, 208-221.	2.0	35
10739	Enhanced field emission from printed CNTs by high-temperature sintering and plasma bombarding in hydrogen. <i>Microelectronics Journal</i> , 2008, 39, 85-89.	2.0	5
10740	Carbon nanotubes grown from nickel catalyst pretreated with H ₂ /N ₂ plasma. <i>Microelectronics Journal</i> , 2008, 39, 1572-1575.	2.0	20
10741	Synergistic effects of nano-ZnO/multi-walled carbon nanotubes/chitosan nanocomposite membrane for the sensitive detection of sequence-specific of PAT gene and PCR amplification of NOS gene. <i>Journal of Membrane Science</i> , 2008, 325, 245-251.	8.2	65
10742	Development of photocatalytic efficient Ti-based nanotubes and nanoribbons by conventional and microwave assisted synthesis strategies. <i>Microporous and Mesoporous Materials</i> , 2008, 114, 401-409.	4.4	55
10743	Bimetallic Pt-Co catalysis on carbon nanotubes for the selective hydrogenation of cinnamaldehyde to cinnamyl alcohol: Preparation and characterization. <i>Journal of Molecular Catalysis A</i> , 2008, 279, 140-146.	4.8	47
10744	Controlled growth of high quality bamboo carbon nanotube arrays by the double injection chemical vapor deposition process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 473, 238-243.	5.6	22
10745	A study on microhardness and tribological behavior of carbon nanotubes reinforced AMMA-CNTs copolymer nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 478, 314-318.	5.6	33
10746	Fabrication and mechanical properties of in situ prepared mesocarbon microbead/carbon nanotube composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 487, 271-277.	5.6	22
10747	Fabrication process of carbon nanotube/light metal matrix composites by squeeze casting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 495, 282-287.	5.6	124

#	ARTICLE	IF	CITATIONS
10748	ZnO-sheathed SiO _x nanowires: Annealing effect. <i>Optical Materials</i> , 2008, 30, 1221-1224.	3.6	11
10749	Transparent flexible conductor of poly(methyl methacrylate) containing highly-dispersed multiwalled carbon nanotube. <i>Organic Electronics</i> , 2008, 9, 1-13.	2.6	34
10750	Translocation of DNA oligonucleotide through carbon nanotube channels under induced pressure difference. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 3111-3120.	2.6	17
10751	Raman scattering and luminescence study on arrays of ZnO doped with Tb ³⁺ . <i>Physica B: Condensed Matter</i> , 2008, 403, 2230-2234.	2.7	59
10752	Ab initio density functional theory investigation of structural and electronic properties of silicon carbide nanotube bundles. <i>Physica B: Condensed Matter</i> , 2008, 403, 3623-3626.	2.7	30
10753	Molecular dynamics study of effects of sp ³ interwall bridging and initial vacancy-related defects on mechanical properties of double-walled carbon nanotube. <i>Physica B: Condensed Matter</i> , 2008, 403, 3798-3802.	2.7	16
10754	Citric acid functionalized carbon materials for fuel cell applications. <i>Journal of Power Sources</i> , 2008, 176, 70-75.	7.8	105
10755	Preparation and properties of carbon nanotube-reinforced vinyl ester/nanocomposite bipolar plates for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2008, 176, 175-182.	7.8	62
10756	Improved performance of Pd electrocatalyst supported on ultrahigh surface area hollow carbon spheres for direct alcohol fuel cells. <i>Journal of Power Sources</i> , 2008, 177, 61-66.	7.8	107
10757	The effect of various acids treatment on the purification and electrochemical hydrogen storage of multi-walled carbon nanotubes. <i>Journal of Power Sources</i> , 2008, 183, 539-543.	7.8	64
10758	Controlled synthesis and photocatalytic investigation of different-shaped one-dimensional titanic acid nanomaterials. <i>Journal of Power Sources</i> , 2008, 185, 577-583.	7.8	23
10759	Vertically aligned double-walled carbon nanotube electrode prepared by transfer methodology for electric double layer capacitor. <i>Journal of Power Sources</i> , 2008, 185, 1580-1584.	7.8	28
10760	Synthesis and characterization of sulfonated single-walled carbon nanotubes and their performance as solid acid catalyst. <i>Journal of Solid State Chemistry</i> , 2008, 181, 432-438.	2.9	138
10761	Controlled modification of multiwalled carbon nanotubes with ZnO nanostructures. <i>Journal of Solid State Chemistry</i> , 2008, 181, 822-827.	2.9	49
10762	Facile synthesis of multifunctional multiwalled carbon nanotubes/Fe ₃ O ₄ nanoparticles/polyaniline composite nanotubes. <i>Journal of Solid State Chemistry</i> , 2008, 181, 628-636.	2.9	85
10763	Development and control of a versatile nanohandling robot cell. <i>Mechatronics</i> , 2008, 18, 370-380.	3.3	15
10764	A multiscale Monte Carlo finite element method for determining mechanical properties of polymer nanocomposites. <i>Probabilistic Engineering Mechanics</i> , 2008, 23, 456-470.	2.7	108
10765	Polymer-assisted fabrication of nanoparticles and nanocomposites. <i>Progress in Polymer Science</i> , 2008, 33, 40-112.	24.7	486

#	ARTICLE	IF	CITATIONS
10766	Surface-enhanced Raman scattering of single-walled carbon nanotubes on modified silver electrode. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 1140-1145.	3.9	8
10767	Synthesis and photophysics of novel 8-hydroxyquinoline aluminum metal complex with 1,3,4-oxadiazole units. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 312-316.	3.9	20
10768	Synthesis and photophysics of novel 8-hydroxyquinoline aluminum metal dye with hole transfer groups. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 1433-1437.	3.9	17
10769	Multiwalled carbon nanotubes microcolumn preconcentration and determination of gold in geological and water samples by flame atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2008, 63, 714-717.	2.9	92
10770	Preparation of carbon nanotubes/phenolic-resin-derived activated carbon spheres for the removal of middle molecular weight toxins. <i>Separation and Purification Technology</i> , 2008, 61, 9-14.	7.9	38
10771	Fabrication of polythionine/NPAu/MWNTs modified electrode for simultaneous determination of adenine and guanine in DNA. <i>Sensors and Actuators B: Chemical</i> , 2008, 128, 414-421.	7.8	119
10772	Electrocatalytical properties of bergenin on a multi-wall carbon nanotubes modified carbon paste electrode and its determination in tablets. <i>Sensors and Actuators B: Chemical</i> , 2008, 128, 500-506.	7.8	35
10773	Triangular network of crystalline submicron rutile TiO ₂ block assembly: An alcohol sensor. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 18-23.	7.8	10
10774	The gas sensing properties of single-walled carbon nanotubes deposited on an aminosilane monolayer. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 67-71.	7.8	43
10775	In situ synthesized carbon nanotubes as a new nanostructured stationary phase for microfabricated liquid chromatographic column. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 510-517.	7.8	44
10776	Amperometric H ₂ O ₂ biosensor based on poly-thionine nanowire/HRP/nano-Au-modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2008, 129, 779-783.	7.8	67
10777	High aspect ratio In ₂ O ₃ nanowires: Synthesis, mechanism and NO ₂ gas-sensing properties. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 802-808.	7.8	179
10778	Dispersion of single-walled carbon nanotubes in poly(diallyldimethylammonium chloride) for preparation of a glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2008, 130, 809-815.	7.8	59
10779	SWNT growth by CVD on Ferritin-based iron catalyst nanoparticles towards CNT sensors. <i>Sensors and Actuators B: Chemical</i> , 2008, 132, 485-490.	7.8	93
10780	Voltammetric behavior of multi-walled carbon nanotubes modified electrode-hexacyanoferrate(II) electrocatalyst system as a sensor for determination of captopril. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 324-331.	7.8	185
10781	Multi-walled carbon nanotubes as high temperature carbon monoxide sensors. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 640-646.	7.8	12
10782	Liquid sensing of melt-processed poly(lactic acid)/multi-walled carbon nanotube composite films. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 787-795.	7.8	99
10783	Amperometric cholesterol biosensors based on carbon nanotube-chitosan-platinum-cholesterol oxidase nanobiocomposite. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 96-101.	7.8	97

#	ARTICLE	IF	CITATIONS
10784	Pt- and Pd-nanoclusters functionalized carbon nanotubes networked films for sub-ppm gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 289-297.	7.8	116
10785	Fabrication of self-encapsulated nickel microchannels and nickel nanowalls by reactive ion etching. <i>Journal of Materials Processing Technology</i> , 2008, 208, 111-116.	6.3	8
10786	Chemical method of filling carbon nanotubes with magnetic material. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 312-315.	2.3	23
10787	Internal lattice relaxation of single-layer graphene under in-plane deformation. <i>Journal of the Mechanics and Physics of Solids</i> , 2008, 56, 1609-1623.	4.8	164
10788	Rippling and a phase-transforming mesoscopic model for multiwalled carbon nanotubes. <i>Journal of the Mechanics and Physics of Solids</i> , 2008, 56, 1224-1244.	4.8	42
10789	Nonlocal shell model for elastic wave propagation in single- and double-walled carbon nanotubes. <i>Journal of the Mechanics and Physics of Solids</i> , 2008, 56, 3475-3485.	4.8	369
10790	Li@C60 complexes with amino acids: A theoretical analysis. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1143-1149.	1.8	14
10791	Multiple light scattering measurement and stability analysis of aqueous carbon nanotube dispersions. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1209-1212.	4.0	64
10792	Field emission property of multi-walled carbon nanotubes with different carbon sources in a fluidized bed reactor. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1188-1193.	4.0	7
10793	Preparation, characterization and photocatalytic activity of multi-walled carbon nanotube-supported tungsten trioxide composites. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2396-2400.	4.0	58
10794	In situ probing of acidic groups on acid-treated carbon nanofibers using 1-aminopyrene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 193, 161-165.	3.9	10
10795	Poly(o-phenylenediamine)/MWNTs composite film as a hole conductor in solid-state dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 198, 288-292.	3.9	21
10796	Uniform bionanomultilayer constructed with soluble multiwall carbon nanotubes and its application as biosensor. <i>Journal of Electroanalytical Chemistry</i> , 2008, 623, 135-141.	3.8	19
10797	Microstructure and properties of carbon nanotube/zirconia composite. <i>Journal of the European Ceramic Society</i> , 2008, 28, 1023-1027.	5.7	114
10798	Rheology and processability of multi-walled carbon nanotubes/ABSE polycarbosilazane composites. <i>Journal of the European Ceramic Society</i> , 2008, 28, 1015-1021.	5.7	27
10799	Solid phase extraction of heavy metal ions in environmental samples on multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2008, 152, 632-639.	12.4	403
10800	Adsorption of selected volatile organic vapors on multiwall carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2008, 154, 21-28.	12.4	129
10801	Removal of Pb(II) from aqueous solution by oxidized multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2008, 154, 407-416.	12.4	375

#	ARTICLE	IF	CITATIONS
10802	Magnetic removal of dyes from aqueous solution using multi-walled carbon nanotubes filled with Fe ₂ O ₃ particles. Journal of Hazardous Materials, 2008, 160, 643-647.	12.4	314
10803	Large-scale synthesis of carbon nanofibers on Ni-Fe-Al hydrotalcite derived catalysts. Applied Catalysis A: General, 2008, 338, 147-158.	4.3	30
10804	CVD-synthesis of multiwall carbon nanotubes over potassium-doped supported catalysts. Applied Catalysis A: General, 2008, 344, 191-197.	4.3	25
10805	Electrocatalytic hydrodehalogenation of pentachlorophenol at palladized multiwalled carbon nanotubes electrode. Applied Catalysis B: Environmental, 2008, 80, 122-128.	20.2	66
10806	Grafted multifunctional titanium dioxide nanotube membrane: Separation and photodegradation of aquatic pollutant. Applied Catalysis B: Environmental, 2008, 84, 262-267.	20.2	64
10807	Co-production of hydrogen and multi-wall carbon nanotubes from ethanol decomposition over Fe/Al ₂ O ₃ catalysts. Applied Catalysis B: Environmental, 2008, 84, 433-439.	20.2	61
10808	Development of an S-doped titania nanotube (TNT) site-selectively loaded with iron(III) oxide and its photocatalytic activities. Applied Catalysis B: Environmental, 2008, 84, 584-590.	20.2	38
10809	Selective hydrogenation of cinnamaldehyde to cinnamyl alcohol with carbon nanotubes supported Pt-Co catalysts. Applied Surface Science, 2008, 254, 2609-2614.	6.1	47
10810	Catalyst formation at various temperatures by hydrogen radical treatment and synthesis of silicon nanowires. Applied Surface Science, 2008, 254, 7703-7707.	6.1	10
10811	Comparative study on modification of multi-walled carbon nanotubes by a hydrophilic polymer with different approaches. Applied Surface Science, 2008, 254, 5691-5694.	6.1	15
10812	The effect of Pd addition to Fe as catalysts on growth of carbon nanotubes by TCVD method. Applied Surface Science, 2008, 254, 6416-6421.	6.1	17
10813	Induced stepwise conformational change of human serum albumin on carbon nanotube surfaces. Biomaterials, 2008, 29, 3847-3855.	11.4	141
10814	Bioelectrocatalytic current based on direct heterogeneous electron transfer reaction of glucose oxidase adsorbed onto multi-walled carbon nanotubes synthesized on platinum electrode surfaces. Electrochemistry Communications, 2008, 10, 888-890.	4.7	25
10815	Electrochemical polymerization of polypyrrole-heparin nanotubes: Kinetics and morphological properties. Electrochimica Acta, 2008, 53, 2154-2160.	5.2	19
10816	Electrocatalytic oxidation of deferiprone and its determination on a carbon nanotube-modified glassy carbon electrode. Electrochimica Acta, 2008, 53, 2907-2916.	5.2	48
10817	Amperometric glucose biosensor prepared with biocompatible material and carbon nanotube by layer-by-layer self-assembly technique. Electrochimica Acta, 2008, 53, 4089-4095.	5.2	53
10818	Improved kinetics of methanol oxidation on Pt/hollow carbon sphere catalysts. Electrochimica Acta, 2008, 53, 8341-8345.	5.2	60
10819	The buckling of single-walled carbon nanotubes upon bending: The higher order gradient continuum and mesh-free method. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 3001-3013.	6.6	96

#	ARTICLE	IF	CITATIONS
10820	Fabrication of carbon nanotube field emission film by electrophoresis deposition and sintering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 329, 161-164.	4.7	5
10821	Applications of cationic gemini surfactant in preparing multi-walled carbon nanotube contained nanofluids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 330, 176-179.	4.7	54
10822	Experimental study and theoretical analysis on the mechanical properties of SWNTs/phenolic composites. Composites Part B: Engineering, 2008, 39, 926-932.	12.0	65
10823	Synthesis of zirconia nanoparticles on carbon nanotubes and their potential for enhancing the fracture toughness of alumina ceramics. Composites Part B: Engineering, 2008, 39, 1136-1141.	12.0	69
10824	Torsional buckling and postbuckling equilibrium path of double-walled carbon nanotubes. Composites Science and Technology, 2008, 68, 113-120.	7.8	28
10825	Mode I and mode II interlaminar fracture toughness of CFRP laminates toughened by carbon nanofiber interlayer. Composites Science and Technology, 2008, 68, 516-525.	7.8	216
10826	Influence of injection molding parameters on the electrical resistivity of polycarbonate filled with multi-walled carbon nanotubes. Composites Science and Technology, 2008, 68, 777-789.	7.8	161
10827	Microwave absorbing property and complex permittivity and permeability of epoxy composites containing Ni-coated and Ag filled carbon nanotubes. Composites Science and Technology, 2008, 68, 2902-2908.	7.8	95
10828	Dynamic properties of sandwich beams with MWNT/polymer nanocomposites as core materials. Composites Science and Technology, 2008, 68, 2930-2936.	7.8	26
10829	Silane grafted MWCNT/polyimide composites – Preparation, morphological and electrical properties. Composites Science and Technology, 2008, 68, 2842-2848.	7.8	39
10830	Effective properties of multiwalled carbon nanotube/epoxy composites using two different tubes. Composites Science and Technology, 2008, 68, 1422-1431.	7.8	138
10831	Fabrication and characterization of OLEDs using PEDOT:PSS and MWCNT nanocomposites. Composites Science and Technology, 2008, 68, 2837-2841.	7.8	75
10832	Functionalization of multi-wall carbon nanotubes with silane and its reinforcement on polypropylene composites. Composites Science and Technology, 2008, 68, 1727-1733.	7.8	113
10833	Growth of carbon nanotubes on carbon fibre substrates to produce hybrid/phenolic composites with improved mechanical properties. Composites Science and Technology, 2008, 68, 1608-1615.	7.8	307
10834	Ar beam modification of nanotube based composites using molecular dynamics simulations. Composites Science and Technology, 2008, 68, 2049-2055.	7.8	22
10835	Melt rheological properties of nylon 6/multi-walled carbon nanotube composites. Composites Science and Technology, 2008, 68, 2498-2502.	7.8	115
10836	The influence of functionalized MWCNT reinforcement on the thermomechanical properties and morphology of epoxy nanocomposites. Composites Science and Technology, 2008, 68, 2535-2542.	7.8	37
10837	Fullerene–amino acid interactions. A theoretical study. Chemical Physics Letters, 2008, 452, 306-314.	2.6	49

#	ARTICLE	IF	CITATIONS
10838	Controlling the dimensions, reactivity and crystallinity of multiwalled carbon nanotubes using low ethanol concentrations. Chemical Physics Letters, 2008, 453, 55-61.	2.6	66
10839	Chirality-dependent C-C bond breaking of carbon nanotubes by cyclo-addition of oxygen molecule. Chemical Physics Letters, 2008, 453, 256-261.	2.6	19
10840	Increased stability of C60 encapsulated in double walled carbon nanotubes. Chemical Physics Letters, 2008, 455, 88-92.	2.6	4
10841	Nanomaterials separation by an ultrasonic-assisted phase transfer method. Chemical Physics Letters, 2008, 455, 252-255.	2.6	2
10842	SWNT-amino acid interactions: A theoretical study. Chemical Physics Letters, 2008, 457, 185-190.	2.6	50
10843	A "Scorpion" like SWNT/carbon sheet molecular trap. Chemical Physics Letters, 2008, 457, 179-184.	2.6	9
10844	A comparative study of the electrostatic potential of fullerene-like structures of Au32 and Au42. Chemical Physics Letters, 2008, 457, 366-370.	2.6	13
10845	Conversion of semiconducting behavior of carbon nanotubes using ball milling. Chemical Physics Letters, 2008, 458, 166-169.	2.6	45
10846	The C-doped zigzag AlN nanotube: A computational NMR study. Chemical Physics Letters, 2008, 461, 246-248.	2.6	45
10847	Molecular dynamics simulation of metal coating on single-walled carbon nanotube. Chemical Physics Letters, 2008, 464, 160-165.	2.6	32
10848	On the existence and stability of single walled SiGe nanotubes. Chemical Physics Letters, 2008, 466, 79-83.	2.6	24
10849	Preparation and gas storage of high surface area microporous carbon derived from biomass source cornstalks. Bioresource Technology, 2008, 99, 4803-4808.	9.6	76
10850	An amperometric biosensor based on a composite of single-walled carbon nanotubes, plasma-polymerized thin film, and an enzyme. Biosensors and Bioelectronics, 2008, 23, 827-832.	10.1	55
10851	A novel nanobiocomposite based glucose biosensor using neutral red functionalized carbon nanotubes. Biosensors and Bioelectronics, 2008, 23, 1404-1411.	10.1	103
10852	Amperometric glucose biosensor based on layer-by-layer covalent attachment of AMWNTs and IO4--oxidized GOx. Biosensors and Bioelectronics, 2008, 24, 22-28.	10.1	43
10853	Novel 2,2'-[1,2-ethanediylbis(nitriloethyldiyne)]-bis-hydroquinone double-wall carbon nanotube paste electrode for simultaneous determination of epinephrine, uric acid and folic acid. Biosensors and Bioelectronics, 2008, 24, 362-368.	10.1	202
10854	Real-time monitoring of NO release from single cells using carbon fiber microdisk electrodes modified with single-walled carbon nanotubes. Biosensors and Bioelectronics, 2008, 24, 415-421.	10.1	60
10855	Preparation of carbon nanotubes-incorporated polymeric microspheres for electrorheological fluids. Current Applied Physics, 2008, 8, 807-809.	2.4	7

#	ARTICLE	IF	CITATIONS
10856	Selective removal of metallic SWNTs using microwave radiation. Current Applied Physics, 2008, 8, 725-728.	2.4	36
10857	Neutralized fluorine radical detection using single-walled carbon nanotube network. Carbon, 2008, 46, 24-29.	10.3	5
10858	Catalytic activities of Pd-tailored single wall carbon nanohorns. Carbon, 2008, 46, 172-175.	10.3	34
10859	Production of electrically conductive paper by adding carbon nanotubes. Carbon, 2008, 46, 169-171.	10.3	54
10860	Preparation of short and water-dispersible carbon nanotubes by solid-state cutting. Carbon, 2008, 46, 117-125.	10.3	19
10861	Mechanical enhancement of C/C composites via the formation of a machinable carbon nanofiber interphase. Carbon, 2008, 46, 76-83.	10.3	24
10862	Modeling of the mechanical instability of carbon nanotubes. Carbon, 2008, 46, 285-290.	10.3	39
10863	Removal of entrapped iron compounds from isothermally treated catalytic chemical vapor deposition derived multi-walled carbon nanotubes. Carbon, 2008, 46, 391-396.	10.3	18
10864	Crystal orbital study on carbon chains encapsulated in armchair carbon nanotubes with various diameters. Carbon, 2008, 46, 276-284.	10.3	26
10865	Catalytic activity, stability and structure of multi-walled carbon nanotubes in the wet air oxidation of phenol. Carbon, 2008, 46, 445-452.	10.3	129
10866	The effect of carbon microfiber substrate pretreatment on the growth of carbon nanomaterials. Carbon, 2008, 46, 359-364.	10.3	12
10867	Influence of carbon nanotube scaffolds on human cervical carcinoma HeLa cell viability and focal adhesion kinase expression. Carbon, 2008, 46, 453-460.	10.3	54
10868	High-purity synthesis of scrolled mats of multi-walled carbon nanotubes using temperature modulation. Carbon, 2008, 46, 567-576.	10.3	17
10869	Pt supported on highly graphitized lace-like carbon for methanol electrooxidation. Carbon, 2008, 46, 531-536.	10.3	41
10870	Field emission from ordered carbon nanotube-ZnO heterojunction arrays. Carbon, 2008, 46, 753-758.	10.3	97
10871	Parametric analysis of chirality families and diameter distributions in single-wall carbon nanotube production by the floating catalyst method. Carbon, 2008, 46, 907-922.	10.3	24
10872	Enhanced host-guest electrochemical recognition of dopamine using cyclodextrin in the presence of carbon nanotubes. Carbon, 2008, 46, 898-906.	10.3	146
10873	Effect of the carbon support nano-structures on the performance of Ru catalysts in the hydrogenation of paracetamol. Carbon, 2008, 46, 1046-1052.	10.3	29

#	ARTICLE	IF	CITATIONS
10874	Torsional buckling of double-walled carbon nanotubes. Carbon, 2008, 46, 1172-1174.	10.3	39
10875	Enhanced conductivity in polybenzoxazoles doped with carboxylated multi-walled carbon nanotubes. Carbon, 2008, 46, 1232-1240.	10.3	68
10876	Enhanced ablation of small anodes in a carbon nanotube arc plasma. Carbon, 2008, 46, 1322-1326.	10.3	46
10877	Analysis of the vibration characteristics of double-walled carbon nanotubes. Carbon, 2008, 46, 1570-1573.	10.3	73
10878	Counterion effects of nickel and sodium dodecylbenzene sulfonate adsorption to multiwalled carbon nanotubes in aqueous solution. Carbon, 2008, 46, 1741-1750.	10.3	186
10879	The influence of single-walled carbon nanotube functionalization on the electronic properties of their polyaniline composites. Carbon, 2008, 46, 1909-1917.	10.3	64
10880	Molecular dynamics simulation of physical vapor deposition of metals onto a vertically aligned single-walled carbon nanotube surface. Carbon, 2008, 46, 2046-2052.	10.3	19
10881	Purification of carbon nanotubes. Carbon, 2008, 46, 2003-2025.	10.3	660
10882	Cellulose synthesized by Acetobacter xylinum in the presence of multi-walled carbon nanotubes. Carbohydrate Research, 2008, 343, 73-80.	2.3	66
10883	Polyaniline-carbon nanotube composite film for cholesterol biosensor. Analytical Biochemistry, 2008, 383, 194-199.	2.4	139
10884	Immobilization of trypsin in polyaniline-coated nano-Fe ₃ O ₄ /carbon nanotube composite for protein digestion. Analytica Chimica Acta, 2008, 612, 182-189.	5.4	81
10885	Synthesis and strong red photoluminescence of europium oxide nanotubes and nanowires using carbon nanotubes as templates. Acta Materialia, 2008, 56, 955-967.	7.9	48
10886	Analysis of sudan I, sudan II, sudan III, and sudan IV in food by HPLC with electrochemical detection: Comparison of glassy carbon electrode with carbon nanotube-ionic liquid gel modified electrode. Food Chemistry, 2008, 109, 876-882.	8.2	123
10887	Combined torsional buckling of multi-walled carbon nanotubes coupling with axial loading and radial pressures. International Journal of Solids and Structures, 2008, 45, 2128-2139.	2.7	25
10888	Length dependence of critical measures in single-walled carbon nanotubes. International Journal of Solids and Structures, 2008, 45, 4902-4920.	2.7	37
10889	Atomistic-mesoscale interfacial resistance based thermal analysis of carbon nanotube systems. International Journal of Thermal Sciences, 2008, 47, 1602-1609.	4.9	28
10890	Carbon nanotubes grown by catalytic CO ₂ laser-induced chemical vapor deposition on core-shell Fe/C composite nanoparticles. Infrared Physics and Technology, 2008, 51, 186-197.	2.9	15
10891	Solvothermal synthesis of carbon nanotube-B ₂ O ₃ nanocomposite using tributyl borate as boron oxide source. Inorganic Chemistry Communication, 2008, 11, 275-278.	3.9	7

#	ARTICLE	IF	CITATIONS
10892	Characterization of carbon nanofibers produced in the reforming of CH ₄ with CO ₂ over supported Pd. <i>Catalysis Today</i> , 2008, 133-135, 842-845.	4.4	5
10893	Preparation of alumina-titania nanofibers by a pH-swing method. <i>Catalysis Today</i> , 2008, 133-135, 113-119.	4.4	11
10894	Reactivity of perovskite-type precursor in MWCNTs synthesis. <i>Catalysis Today</i> , 2008, 138, 55-61.	4.4	24
10895	Electrochemical sensing of DNA immobilization and hybridization based on carbon nanotubes/nano zinc oxide/chitosan composite film. <i>Chinese Chemical Letters</i> , 2008, 19, 589-591.	9.0	60
10896	The electrochemical behavior of N-n-undecyl-N ² -(sodium-p-amino-benzenesulfonate) thiourea and its interaction with bovine serum albumin. <i>Chinese Chemical Letters</i> , 2008, 19, 581-584.	9.0	1
10897	High-speed countercurrent chromatography for purification of single-walled carbon nanotubes. <i>Chinese Chemical Letters</i> , 2008, 19, 1345-1348.	9.0	2
10898	Solid-state electrochemiluminescence of a novel iridium(III) complex. <i>Chinese Chemical Letters</i> , 2008, 19, 1509-1512.	9.0	10
10899	Synthesis of nanocarbons via ethanol dry reforming over a carbon steel catalyst. <i>Chemical Engineering Journal</i> , 2008, 143, 186-194.	12.7	35
10900	Low-temperature synthesis of carbon nanofibers by decomposition of acetylene with a catalyst derived from cupric nitrate. <i>Chemical Engineering Journal</i> , 2008, 144, 514-517.	12.7	14
10901	Growth of nitrogen-doped filamentous and spherical carbon over unsupported and Y zeolite supported nickel and cobalt catalysts. <i>Chemical Engineering Journal</i> , 2008, 144, 518-530.	12.7	13
10902	An investigation of carbon nanotube jet grinding. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008, 47, 2195-2202.	3.6	7
10903	Multi-walled carbon nanotubes as efficient solid-phase extraction materials of organophosphorus pesticides from apple, grape, orange and pineapple fruit juices. <i>Journal of Chromatography A</i> , 2008, 1211, 33-42.	3.7	142
10904	Determination of zearalenone and its metabolites in urine samples by liquid chromatography with electrochemical detection using a carbon nanotube-modified electrode. <i>Journal of Chromatography A</i> , 2008, 1212, 54-60.	3.7	48
10905	Terahertz applications of carbon nanotubes. <i>Superlattices and Microstructures</i> , 2008, 43, 399-407.	3.1	99
10906	Multiple branch growth of SnO ₂ nanowires by thermal evaporation process. <i>Superlattices and Microstructures</i> , 2008, 44, 728-734.	3.1	12
10907	Synthesis of multi-wall carbon nanotubes by simple pyrolysis. <i>Solid State Communications</i> , 2008, 145, 143-148.	1.9	57
10908	Electronic properties of telescoping carbon nanotubes under external fields. <i>Solid State Communications</i> , 2008, 145, 451-455.	1.9	1
10909	Fabrication, morphology and optical properties of GaN nanorods by ammoniating Ga ₂ O ₃ /Nb films. <i>Solid State Communications</i> , 2008, 145, 520-524.	1.9	3

#	ARTICLE	IF	CITATIONS
10910	Buckling of GaN nanotubes under uniaxial compression. Solid State Communications, 2008, 146, 293-297.	1.9	7
10911	Hydrothermal synthesis of V O ₂ (B) nanoribbons by a mixed-oxidation state precursor route. Solid State Communications, 2008, 146, 403-405.	1.9	9
10912	First-principles density-functional calculations on the field emission properties of BN nanocones. Solid State Communications, 2008, 146, 399-402.	1.9	30
10913	Effect of annealing temperature of Ga ₂ O ₃ /V films on synthesizing $\hat{\Gamma}^2$ - Ga ₂ O ₃ nanorods. Solid State Communications, 2008, 148, 480-483.	1.9	1
10914	Nanolithography and manipulation of graphene using an atomic force microscope. Solid State Communications, 2008, 147, 366-369.	1.9	138
10915	Synthesis of Bi ₂ Sr ₂ CaCu ₂ O _y nanowire and its superconductivity. Solid State Communications, 2008, 148, 452-454.	1.9	8
10916	First-principles study of the size-dependent structural and electronic properties of thick-walled ZnO nanotubes. Solid State Communications, 2008, 148, 534-537.	1.9	20
10917	Single-walled carbon nanotube transistors fabricated by advanced alignment techniques utilizing CVD growth and dielectrophoresis. Solid-State Electronics, 2008, 52, 1260-1263.	1.4	11
10918	The effect of different kinds of nano-carbon conductive additives in lithium ion batteries on the resistance and electrochemical behavior of the LiCoO ₂ composite cathodes. Solid State Ionics, 2008, 179, 263-268.	2.7	119
10919	Effects of the restructuring of Fe catalyst films on chemical vapor deposition of carbon nanotubes. Surface and Coatings Technology, 2008, 202, 3157-3163.	4.8	20
10920	Aligned multi-walled carbon nanotubes on different substrates by floating catalyst chemical vapor deposition: Critical effects of buffer layer. Surface and Coatings Technology, 2008, 202, 4114-4120.	4.8	69
10921	The growth of oriented titanate nanotube thin film on titanium metal flake. Surface and Coatings Technology, 2008, 202, 5431-5435.	4.8	8
10922	Multi-scale modeling of tensile behavior of carbon nanotube-reinforced composites. Theoretical and Applied Fracture Mechanics, 2008, 49, 51-60.	4.7	154
10923	Symmetry in electron diffractions from helical structures. Ultramicroscopy, 2008, 108, 832-836.	1.9	3
10924	MFM and gas adsorption isotherm analysis of proton beam irradiated multi-walled carbon nanotubes. Ultramicroscopy, 2008, 108, 1228-1232.	1.9	1
10925	Growth of carbon with vertically aligned nanoscale flake structure in capacitively coupled rf glow discharge. Vacuum, 2008, 82, 754-759.	3.5	17
10926	Growth control of carbon nanotubes by plasma enhanced chemical vapor deposition. Vacuum, 2008, 83, 515-517.	3.5	9
10927	Fabrication of Ni ₂ In ₃ alloy nanotubes. Vacuum, 2008, 83, 649-652.	3.5	0

#	ARTICLE	IF	CITATIONS
10928	Atomic and electronic structures of finite single-walled BN nanotubes: Hybrid DFT calculations. Computational and Theoretical Chemistry, 2008, 856, 46-58.	1.5	10
10929	Density functional calculations Al-27 and N-14 quadrupole coupling constants in the H-capped (10,0) and (4,4) single-walled aluminum nitride nanotube. Computational and Theoretical Chemistry, 2008, 862, 118-121.	1.5	6
10930	Diamond-derived carbon onions as lubricant additives. Tribology International, 2008, 41, 69-78.	5.9	113
10931	Selective deposition of catalyst nanoparticles using the gravitational force for carbon nanotubes interconnect. Thin Solid Films, 2008, 516, 3534-3537.	1.8	1
10932	Molybdenum nitride nanotubes. Thin Solid Films, 2008, 516, 6041-6047.	1.8	17
10933	Field emission properties of Ag/SiO ₂ /carbon nanotube films by pulsed voltage co-electrophoretic deposition. Thin Solid Films, 2008, 517, 1245-1250.	1.8	12
10934	Co-decorated carbon nanotubes as a promoter of Co-Mo-K oxide catalyst for synthesis of higher alcohols from syngas. Applied Catalysis A: General, 2008, 340, 87-97.	4.3	61
10935	Development of a titania nanotube (TNT) loaded site-selectively with Pt nanoparticles and their photocatalytic activities. Applied Catalysis A: General, 2008, 337, 105-109.	4.3	30
10936	Fe-N-C oxygen reduction catalysts supported on vertically aligned carbon nanotubes. Applied Catalysis A: General, 2008, 347, 43-49.	4.3	43
10937	Pt/titania-nanotube: A potential catalyst for CO ₂ adsorption and hydrogenation. Applied Catalysis B: Environmental, 2008, 84, 112-118.	20.2	115
10938	Preparation of carbon nanosheets deposited on carbon nanotubes by microwave plasma-enhanced chemical vapor deposition method. Applied Surface Science, 2008, 254, 1700-1704.	6.1	30
10939	Characteristics of Co-filled carbon nanotubes. Applied Surface Science, 2008, 254, 1890-1894.	6.1	5
10940	Synthesis of carbon nanotubes directly over TEM grids aiming the study of nucleation and growth mechanisms. Applied Surface Science, 2008, 254, 3890-3895.	6.1	5
10941	Environmental transmission electron microscopy observations of the growth of carbon nanotubes under nanotube-nanotube and nanotube-substrate interactions. Applied Surface Science, 2008, 254, 7586-7590.	6.1	4
10942	Influence of the vacuum level upon the growth of carbon nanotubes on silicon carbide surface. Applied Surface Science, 2008, 254, 7723-7727.	6.1	3
10943	Complex and new modification techniques of thiocholine detection electrodes with carbon nanotubes. Applied Surface Science, 2008, 255, 439-441.	6.1	6
10944	Adsorption and electrochemistry of hemoglobin on Chi-carbon nanotubes composite film. Applied Surface Science, 2008, 255, 571-573.	6.1	19
10945	Reinforcement of hydrogenated carboxylated nitrile-butadiene rubber by multi-walled carbon nanotubes. Applied Surface Science, 2008, 255, 2162-2166.	6.1	68

#	ARTICLE	IF	CITATIONS
10946	Controlled synthesis of diamond and carbon nanotubes on Ni-base alloy. <i>Applied Surface Science</i> , 2008, 255, 2251-2255.	6.1	19
10947	Effect of temperature on the kinetics of acetylene decomposition over reduced iron oxide catalyst for the production of carbon nanotubes. <i>Applied Surface Science</i> , 2008, 255, 2375-2381.	6.1	36
10948	Molecular dynamics study of mechanical properties of carbon nanotube-embedded gold composites. <i>Physica B: Condensed Matter</i> , 2008, 403, 559-563.	2.7	22
10949	Electrophoresis deposition and field emission characteristics of planar-gate-type electron source with carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2008, 403, 1793-1796.	2.7	10
10950	Bardeenâ€Cooperâ€Schrieffer formalism of superconductivity in carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2008, 403, 2288-2292.	2.7	2
10951	<i>Pseudomonas aeruginosa</i> immobilized multiwalled carbon nanotubes as biosorbent for heavy metal ions. <i>Bioresource Technology</i> , 2008, 99, 1563-1570.	9.6	229
10952	Effect of CNT decoration with silver nanoparticles on electrical conductivity of CNT-polymer composites. <i>Carbon</i> , 2008, 46, 1497-1505.	10.3	399
10953	Self-assembling of multi-walled carbon nanotubes on a porous carbon surface by catalyst-free chemical vapor deposition. <i>Carbon</i> , 2008, 46, 1619-1623.	10.3	43
10954	Structure dependent interaction between organic dyes and carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 9-12.	4.7	73
10955	Electrical and rheological properties of polycarbonate/multiwalled carbon nanotube nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 242-245.	4.7	43
10956	Fabrication of carbon nanotube paste using photosensitive polymer for field emission display. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 448-451.	4.7	21
10957	Fabrication of an electrochemical immunosensor with self-assembled peptide nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 95-99.	4.7	33
10958	Optical rotation and manipulation of micro-sized LiNbO ₃ crystals and single-walled carbon nanotubes bundles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 313-314, 488-491.	4.7	4
10959	The adsorption of resorcinol from water using multi-walled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 312, 160-165.	4.7	154
10960	Noncovalently functionalized water-soluble multiwall-nanotubes through azocarmine B and their application in nitric oxide sensor. <i>Electrochemistry Communications</i> , 2008, 10, 90-94.	4.7	30
10961	Preparation and characterization on the carbon nanotube chemically modified electrode grown in situ. <i>Electrochemistry Communications</i> , 2008, 10, 424-427.	4.7	16
10962	Determination of concentrated hydrogen peroxide at single-walled carbon nanohorn paste electrode. <i>Electrochemistry Communications</i> , 2008, 10, 695-698.	4.7	63
10963	An ECL biosensor for glucose based on carbon-nanotube/Nafion film modified glass carbon electrode. <i>Electrochimica Acta</i> , 2008, 53, 2396-2401.	5.2	88

#	ARTICLE	IF	CITATIONS
10964	Electrooxidation of hydrazine catalyzed by noncovalently functionalized single-walled carbon nanotubes with CoPc. <i>Electrochimica Acta</i> , 2008, 53, 8051-8057.	5.2	94
10965	Direct electrochemistry and electrocatalysis of cytochrome c based on chitosan-ionic liquid-carbon nanotubes composite. <i>Electrochimica Acta</i> , 2008, 54, 749-754.	5.2	53
10966	Efficient immobilization of lactate dehydrogenase in biocomposites of double-walled carbon nanotube-doped alginate gel. <i>Enzyme and Microbial Technology</i> , 2008, 42, 235-241.	3.2	13
10967	Dynamic torsional buckling of a double-walled carbon nanotube embedded in an elastic medium. <i>European Journal of Mechanics, A/Solids</i> , 2008, 27, 40-49.	3.7	27
10968	A continuum mechanics nonlinear postbuckling analysis for single-walled carbon nanotubes under torque. <i>European Journal of Mechanics, A/Solids</i> , 2008, 27, 796-807.	3.7	28
10969	Novel mechanism for spinning continuous twisted composite nanofiber yarns. <i>European Polymer Journal</i> , 2008, 44, 1-12.	5.4	90
10970	Structural and electrical transport of carbon nanofibers derived from dihydro-2,5-furandione. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 147, 63-68.	3.5	1
10971	Electromagnetic and microwave absorbing properties of multi-walled carbon nanotubes filled with Ag nanowires. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 150, 105-110.	3.5	71
10972	Synthesis and characterization of water-soluble and conducting sulfonated polyaniline/para-phenylenediamine-functionalized multi-walled carbon nanotubes nano-composite. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 151, 210-219.	3.5	71
10973	The electromagnetic characteristics and absorbing properties of multi-walled carbon nanotubes filled with Er ₂ O ₃ nanoparticles as microwave absorbers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 153, 78-82.	3.5	76
10974	Development of an amperometric L-lactate biosensor based on L-lactate oxidase immobilized through silica sol-gel film on multi-walled carbon nanotubes/platinum nanoparticle modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2008, 28, 1070-1075.	7.3	48
10975	Hydrogen sensing properties of multi-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2008, 28, 1556-1559.	7.3	28
10976	Sensing pulsed light by means of Multi-Walled Carbon Nanotubes. <i>Materials Science in Semiconductor Processing</i> , 2008, 11, 187-189.	4.0	3
10977	Carbon nanotubes as functional excipients for nanomedicines: I. pharmaceutical properties. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 173-182.	3.3	174
10978	A new radiation detector made of multi-walled carbon nanotubes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 589, 398-403.	1.6	15
10979	Ion mass dependence for low energy channeling in single-wall nanotubes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 849-852.	1.4	18
10980	A possibility of the production of carbon nanotubes from heavy hydrocarbons. <i>Fuel Processing Technology</i> , 2008, 89, 449-454.	7.2	14
10981	Water dimers connect [Cu(cda)(py) ₃] (cda=pyridine-4-hydroxy-2,6-dicarboxylate, py=pyridine) complex units to left- and right-handed helices that form a tubular coordination polymer through supramolecular bonding. <i>Inorganica Chimica Acta</i> , 2008, 361, 56-62.	2.4	17

#	ARTICLE	IF	CITATIONS
10982	A perspective on combining molecular nanomagnets and carbon nanotube electronics. <i>Inorganica Chimica Acta</i> , 2008, 361, 3807-3819.	2.4	32
10983	Effect of thermal treatments and palladium loading on hydrogen sorption characteristics of single-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1693-1699.	7.1	29
10984	High-yield production of graphitic nanofibers. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 2975-2979.	7.1	5
10985	A metal dusting process for preparing nano-sized carbon materials and the effects of acid post-treatment on their hydrogen storage performance. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 6734-6742.	7.1	15
10986	A novel method to produce carbon nanotubes using EDM process. <i>International Journal of Machine Tools and Manufacture</i> , 2008, 48, 1653-1657.	13.4	15
10987	Vibration of multi-walled carbon nanotubes by generalized shear deformation theory. <i>International Journal of Mechanical Sciences</i> , 2008, 50, 837-844.	6.7	82
10988	Suspension of nanoparticles in SU-8: Processing and characterization of nanocomposite polymers. <i>Microelectronics Journal</i> , 2008, 39, 228-236.	2.0	52
10989	Structural characteristics of carbon nanostructures synthesized by ECR-CVD. <i>Microelectronics Journal</i> , 2008, 39, 1600-1604.	2.0	6
10990	Photovoltaic properties of multi-walled carbon nanotubes deposited on n-doped silicon. <i>Microelectronics Journal</i> , 2008, 39, 1659-1662.	2.0	26
10991	Design of nanoswitch based on C20-bowl molecules: A first principles study. <i>Microelectronics Journal</i> , 2008, 39, 1499-1503.	2.0	0
10992	Modified platinum electrode with phytic acid and single-walled carbon nanotube: Application to the selective determination of dopamine in the presence of ascorbic and uric acids. <i>Microchemical Journal</i> , 2008, 88, 1-6.	4.5	74
10993	A mesoporous composite template composed of self-assembled silica nanotube and multi-walled carbon nanotube. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 292-299.	4.4	11
10994	Growth and optimization of carbon nanotubes in activated carbon by catalytic chemical vapor deposition. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 41-50.	4.4	47
10995	Blue light emission in mesoporous SiO _x nano-structure. <i>Microporous and Mesoporous Materials</i> , 2008, 111, 591-595.	4.4	7
10996	Formation of carbon nanotubes on iron/cobalt oxides supported on zeolite-Y: Effect of zeolite textural properties and particle morphology. <i>Microporous and Mesoporous Materials</i> , 2008, 110, 128-140.	4.4	45
10997	Properties of carbon nanotube-zeolite complex from first-principles calculations. <i>Microporous and Mesoporous Materials</i> , 2008, 116, 233-236.	4.4	1
10998	Fabrication and mechanical properties of multi-walled carbon nanotubes/epoxy nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 483-484, 289-292.	5.6	90
10999	Effects of interfaces on nano-friction of vertically aligned multi-walled carbon nanotube arrays. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 483-484, 664-667.	5.6	11

#	ARTICLE	IF	CITATIONS
11000	Thermogravimetric analysis and TEM characterization of the oxidation and defect sites of carbon nanotubes synthesized by CVD of methane. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 473, 355-359.	5.6	54
11001	Synthesis of carbon nanotubes and carbon onions by CVD using a Ni/Y catalyst supported on copper. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 475, 136-140.	5.6	42
11002	Characterization of bamboo-shaped CNTs prepared using deposition-precipitation catalyst. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 479, 248-252.	5.6	10
11003	Effect of carbon nanotubes on the properties of ZrB ₂ -SiC ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 487, 568-573.	5.6	115
11004	Transport properties of AB-stacked bilayer graphene nanoribbons in an electric field. <i>European Physical Journal B</i> , 2008, 64, 73-80.	1.5	16
11005	Application of a hybrid quantum mechanics and empirical molecular dynamics multiscale method to carbon nanotubes. <i>European Physical Journal B</i> , 2008, 65, 515-523.	1.5	3
11007	Size- and Surface-dependent Stability, Electronic Properties, and Potential as Chemical Sensors: Computational Studies on One-dimensional ZnO Nanostructures. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13926-13931.	3.1	67
11008	Tissue histology and physiology following intravenous administration of different types of functionalized multiwalled carbon nanotubes. <i>Nanomedicine</i> , 2008, 3, 149-161.	3.3	149
11009	STRUCTURAL CONTROL OF NANOPARTICLES. , 2008, , 49-112.		1
11010	CONTROL OF NANOSTRUCTURE OF MATERIALS. , 2008, , 177-265.		0
11011	Microstructure and Mechanical Properties of Carboxylated Carbon Nanotubes/Poly(L-lactic acid) Composite. <i>Journal of Composite Materials</i> , 2008, 42, 1587-1595.	2.4	20
11012	Methodology for Homogeneous Dispersion of Single-walled Carbon Nanotubes by Physical Modification. <i>Polymer Journal</i> , 2008, 40, 577-589.	2.7	130
11013	In-Groove Carbon Nanotubes Device for SPME of Aromatic Hydrocarbons. <i>Chromatographia</i> , 2008, 67, 599-605.	1.3	21
11015	Structural evaluation and photocatalytic properties of Pt-supported titanate nanotubes. <i>Research on Chemical Intermediates</i> , 2008, 34, 339-346.	2.7	11
11016	Synthesis of carbon nanohorns by a gas-injected arc-in-water method and application to catalyst-support for polymer electrolyte fuel cell electrodes. <i>Journal of Materials Chemistry</i> , 2008, 18, 1555.	6.7	26
11017	From multilayered graphite flakes to nanostructures: A tight-binding molecular dynamics study. <i>Journal of Chemical Physics</i> , 2008, 129, 224709.	3.0	1
11018	Chapter 3 The electronic properties of carbon nanotubes. <i>Contemporary Concepts of Condensed Matter Science</i> , 2008, 3, 49-81.	0.5	8
11019	Chapter 6 Structural properties and nanoelectromechanical systems applications. <i>Contemporary Concepts of Condensed Matter Science</i> , 2008, , 135-170.	0.5	1

#	ARTICLE	IF	CITATIONS
11020	Designing Carbon Nanotube Membranes for Efficient Water Desalination. Journal of Physical Chemistry B, 2008, 112, 1427-1434.	2.6	901
11021	The Importance of Strong Carbon~Metal Adhesion for Catalytic Nucleation of Single-Walled Carbon Nanotubes. Nano Letters, 2008, 8, 463-468.	9.1	269
11022	Selective diameter uptake of single-walled carbon nanotubes in water using phosphonated calixarenes and ~extended arm~™ sulfonated calixarenes. Journal of Materials Chemistry, 2008, 18, 5961.	6.7	27
11023	Template-Directed Synthesis of Oxide Nanotubes: Fabrication, Characterization, and Applications. Chemistry of Materials, 2008, 20, 756-767.	6.7	289
11024	EVALUATION AND APPLICATIONS OF DISPERSING CARBON NANOTUBE IN THE POLYMERS. , 2008, , 588-592.		0
11025	Graphene Terahertz Generators for Molecular Circuits and Sensors. Journal of Physical Chemistry A, 2008, 112, 13699-13705.	2.5	67
11026	Heterocyclic Supramolecular Chemistry of Fullerenes and Carbon Nanotubes. Topics in Heterocyclic Chemistry, 2008, , 161-198.	0.2	4
11027	First-principles calculations of carbon nanotubes adsorbed on diamond (100) surfaces. Journal of Physics Condensed Matter, 2008, 20, 225016.	1.8	7
11028	Nanotechnology and Water Treatment: Applications and Emerging Opportunities. Critical Reviews in Microbiology, 2008, 34, 43-69.	6.1	579
11029	Environmental Applications of Carbon-Based Nanomaterials. Environmental Science & Technology, 2008, 42, 5843-5859.	10.0	1,337
11030	Biomimetic Nano-composite Actuators Based on Carbon Nanotubes and Ionic Polymers. Journal of Intelligent Material Systems and Structures, 2008, 19, 305-311.	2.5	10
11031	Clickable Macroinitiator Strategy to Build Amphiphilic Polymer Brushes on Carbon Nanotubes. Macromolecules, 2008, 41, 9581-9594.	4.8	108
11032	Relationship between Carbon Nanotube Structure and Electrochemical Behavior: Heterogeneous Electron Transfer at Electrochemically Activated Carbon Nanotubes. Chemistry - an Asian Journal, 2008, 3, 2046-2055.	3.3	100
11033	Heterodoped Nanotubes: Theory, Synthesis, and Characterization of Phosphorus~Nitrogen Doped Multiwalled Carbon Nanotubes. ACS Nano, 2008, 2, 441-448.	14.6	192
11034	Enhancement of the transverse conductance in DNA nucleotides. Journal of Chemical Physics, 2008, 128, 041103.	3.0	51
11035	Recent progress in carbon nanotube-based gas sensors. Nanotechnology, 2008, 19, 332001.	2.6	559
11036	Recent Updates of DNA Incorporated in Carbon Nanotubes and Nanoparticles for Electrochemical Sensors and Biosensors. Sensors, 2008, 8, 7191-7212.	3.8	37
11037	Opportunities and challenges of carbon-based nanomaterials for cancer therapy. Expert Opinion on Drug Delivery, 2008, 5, 331-342.	5.0	147

#	ARTICLE	IF	CITATIONS
11039	Effects of Ammonia in Catalytic Chemical Vapor Deposition in the Synthesis of Carbon Nanotubes. Metals and Materials International, 2008, 14, 269-273.	3.4	6
11040	Carbon Nanotubes Grown over Fe-Mo-Mg-O Composite Catalysts. Metals and Materials International, 2008, 14, 385-390.	3.4	14
11041	A Facile and Mild Synthesis of 1-D ZnO, CuO, and Fe_2O_3 Nanostructures and Nanostructured Arrays. ACS Nano, 2008, 2, 944-958.	14.6	165
11042	Nanotubes in Minerals and Mineral-Related Systems. , 2008, , 179-191.		7
11043	Electronic Response Properties of Carbon Nanotubes in Magnetic Fields. ACS Nano, 2008, 2, 661-668.	14.6	57
11044	Stability analysis of carbon nanotubes under electric fields and compressive loading. Journal Physics D: Applied Physics, 2008, 41, 205411.	2.8	6
11045	Facile preparation of low cytotoxicity fluorescent carbon nanocrystals by electrooxidation of graphite. Chemical Communications, 2008, , 5116.	4.1	786
11046	Interaction of $\text{Mg}_3\text{Si}_2\text{O}_5(\text{OH})_4$ nanotubes with potassium hydroxide. Russian Journal of Applied Chemistry, 2008, 81, 375-379.	0.5	4
11047	The current status of carbon nanotube and nanofiber production. Nanotechnologies in Russia, 2008, 3, 575-580.	0.7	15
11048	Gas-phase synthesis of inorganic fullerene-like structures and inorganic nanotubes. Open Chemistry, 2008, 6, 373-389.	1.9	13
11049	Theoretical study of NO_3^- interacting with carbon nanotube. Open Physics, 2008, 6, 105-108.	1.7	1
11050	A symmetry based investigation of the band gap of SWCNTs. Open Physics, 2008, 6, .	1.7	2
11051	Photocatalytic reduction of CO_2 over TiO_2 based catalysts. Chemical Papers, 2008, 62, 1-9.	2.2	165
11052	On the rubrication of the journal The Physics of Nanoobjects and Nanotechnology from the AJ Physics of the VINITI RAS. Automatic Documentation and Mathematical Linguistics, 2008, 42, 269-271.	0.5	3
11053	Assemblies of carbon and boron-nitrogen nanotubes and fullerenes: Structure and properties. Russian Journal of Inorganic Chemistry, 2008, 53, 2083-2102.	1.3	8
11054	Electronic structure of isolated, embedded, and double-walled nanotubes. Russian Journal of Inorganic Chemistry, 2008, 53, 2171-2190.	1.3	0
11055	Preparation and study of polyaniline-and multiwall-carbon-nanotube-based composite materials. Russian Journal of Electrochemistry, 2008, 44, 828-834.	0.9	6
11056	Pyrolysis of chloroplatinic acid to directly immobilize platinum nanoparticles onto multi-walled carbon nanotubes. Russian Journal of Electrochemistry, 2008, 44, 977-980.	0.9	18

#	ARTICLE	IF	CITATIONS
11057	Zinc oxide hollow microstructures and nanostructures formed under hydrothermal conditions. Crystallography Reports, 2008, 53, 888-893.	0.6	3
11058	Control of soliton lattices of Hubbard electrons in carbon nanotubes by a magnetic field. Bulletin of the Russian Academy of Sciences: Physics, 2008, 72, 1614-1616.	0.6	0
11059	Nanoparticles synthesis using supercritical fluid technology “ towards biomedical applications. Advanced Drug Delivery Reviews, 2008, 60, 299-327.	13.7	418
11060	Fabrication of Nanocomposite Powders of Carbon Nanotubes and Montmorillonite. Journal of the American Ceramic Society, 2008, 91, 975-978.	3.8	2
11061	Polystyrene“acrylonitrile“CNTs nanocomposites preparations and tribological behavior research. Wear, 2008, 265, 1923-1926.	3.1	46
11062	A scanning probe microscope for studying electron transport at low temperatures. Instruments and Experimental Techniques, 2008, 51, 130-134.	0.5	11
11063	Influence of isoelectronic impurities on the electronic structure of BN nanotubes. JETP Letters, 2008, 87, 50-54.	1.4	3
11064	The role of interparticle and external forces in nanoparticle assembly. Nature Materials, 2008, 7, 527-538.	27.5	1,049
11065	Carbon nanotubes introduced into the abdominal cavity of mice show asbestos-like pathogenicity in a pilot study. Nature Nanotechnology, 2008, 3, 423-428.	31.5	2,349
11066	Carbon nanotube coating improves neuronal recordings. Nature Nanotechnology, 2008, 3, 434-439.	31.5	655
11067	Nanotubes reveal their true strength. Nature Nanotechnology, 2008, 3, 586-587.	31.5	6
11068	Self-organized nanotube serpentines. Nature Nanotechnology, 2008, 3, 195-200.	31.5	109
11069	Development of Immunosensors Using Carbon Nanotubes. Biotechnology Progress, 2008, 23, 517-531.	2.6	110
11070	Environmental Assessment of Single-Walled Carbon Nanotube Processes. Journal of Industrial Ecology, 2008, 12, 376-393.	5.5	138
11071	Screening Effects Between Field-Enhancing Patterned Carbon Nanotubes: A Numerical Study. IEEE Transactions on Electron Devices, 2008, 55, 1298-1305.	3.0	11
11072	Performance Comparison of Graphene Nanoribbon FETs With Schottky Contacts and Doped Reservoirs. IEEE Transactions on Electron Devices, 2008, 55, 2314-2323.	3.0	138
11073	Bringing the nanolaboratory inside electron microscopes. IEEE Nanotechnology Magazine, 2008, 2, 18-31.	1.3	37
11074	Carbon nanotubes based optical immunodetection of Staphylococcal Enterotoxin B (SEB) in food. International Journal of Food Microbiology, 2008, 127, 78-83.	4.7	58

#	ARTICLE	IF	CITATIONS
11075	Fuel cell performance and characterization of 1-D carbon-supported platinum nanocomposites synthesized in supercritical fluids. <i>Journal of Catalysis</i> , 2008, 259, 5-16.	6.2	28
11076	Preparation of carbon nanotube-supported metal nanoparticles coated with silica layers. <i>Journal of Catalysis</i> , 2008, 257, 345-355.	6.2	46
11077	Growth of filamentous carbon by decomposition of ethanol on nickel foam: Influence of synthesis conditions and catalytic nanoparticles on growth yield and mechanism. <i>Journal of Catalysis</i> , 2008, 260, 217-226.	6.2	49
11078	Manufactured nanoparticles: An overview of their chemistry, interactions and potential environmental implications. <i>Science of the Total Environment</i> , 2008, 400, 396-414.	8.0	885
11079	Zirconia/carbon nanofiber composite. <i>Scripta Materialia</i> , 2008, 58, 520-523.	5.2	66
11080	An approach to mass-producing individually alumina-decorated multi-walled carbon nanotubes with optimized and controlled compositions. <i>Scripta Materialia</i> , 2008, 58, 906-909.	5.2	99
11081	A new one-step synthesis method for coating multi-walled carbon nanotubes with cuprous oxide nanoparticles. <i>Scripta Materialia</i> , 2008, 58, 1010-1013.	5.2	337
11082	Carbon nanotube and conducting polymer composites for supercapacitors. <i>Progress in Natural Science: Materials International</i> , 2008, 18, 777-788.	4.4	647
11083	Synthesis of hollow carbon spheres by one convenient method. <i>Materials Chemistry and Physics</i> , 2008, 108, 1-3.	4.0	18
11084	The changes of morphology, structure and optical properties from carbon nanotubes treated by hydrogen plasma. <i>Materials Chemistry and Physics</i> , 2008, 108, 82-87.	4.0	13
11085	Dispersion and field emission properties of multi-walled carbon nanotubes by high-energy milling. <i>Materials Chemistry and Physics</i> , 2008, 110, 363-369.	4.0	13
11086	Theoretical study of the interactions of carbon monoxide with Rh-decorated (8,0) single-walled carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2008, 110, 411-416.	4.0	52
11087	Two types of ZnO-tubular nanostructures fabricated by stepped gas-phase reaction. <i>Materials Chemistry and Physics</i> , 2008, 110, 445-448.	4.0	5
11088	Synthesis and characterizations of polycrystalline walnut-like CdS nanoparticle by solvothermal method with PVP as stabilizer. <i>Materials Chemistry and Physics</i> , 2008, 111, 98-105.	4.0	48
11089	Cyclodextrin polyurethanes polymerized with multi-walled carbon nanotubes: Synthesis and characterization. <i>Materials Chemistry and Physics</i> , 2008, 111, 218-224.	4.0	41
11090	Physical properties of CVD boron-doped multiwalled carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2008, 111, 386-390.	4.0	32
11091	Preparation and characterization of Z-shaped carbon nanotubes via decomposing magnesium acetate. <i>Materials Chemistry and Physics</i> , 2008, 112, 27-30.	4.0	10
11092	Simple synthesis of one-dimensional copper chalcogenides and its reducing and self-sacrificing templates for Au nanowires. <i>Materials Chemistry and Physics</i> , 2008, 112, 11-15.	4.0	2

#	ARTICLE	IF	CITATIONS
11093	Growth of dendritic SnO ₂ nanoarchitectures. Materials Chemistry and Physics, 2008, 112, 325-328.	4.0	28
11094	Influence of chemical processing on the morphology, crystalline content and thermal stability of multi-walled carbon nanotubes. Materials Chemistry and Physics, 2008, 112, 387-392.	4.0	17
11095	Synthesis of conducting polythiophene composites with multi-walled carbon nanotube by the β -radiolysis polymerization method. Materials Chemistry and Physics, 2008, 112, 779-782.	4.0	45
11096	Effects of the size of nano-copper catalysts and reaction temperature on the morphology of carbon fibers. Materials Research Bulletin, 2008, 43, 735-742.	5.2	22
11097	Preparation and characterization of nanostructured MWCNT-TiO ₂ composite materials for photocatalytic water treatment applications. Materials Research Bulletin, 2008, 43, 958-967.	5.2	143
11098	Optical and structural characteristics of ZnO thin films grown by rf magnetron sputtering. Materials Research Bulletin, 2008, 43, 244-250.	5.2	67
11099	Synthesis of novel urchin-like architecture Au by self-assembly coupled without template. Materials Research Bulletin, 2008, 43, 1074-1078.	5.2	3
11100	New synthesis of Cu ₂ O and Cu nanoparticles on multi-wall carbon nanotubes. Materials Research Bulletin, 2008, 43, 1492-1496.	5.2	17
11101	Methane storage in multi-walled carbon nanotubes at the quantity of 80g. Materials Research Bulletin, 2008, 43, 1431-1439.	5.2	21
11102	Simple synthesis of MoS ₂ inorganic fullerene-like nanomaterials from MoS ₂ amorphous nanoparticles. Materials Research Bulletin, 2008, 43, 2427-2433.	5.2	20
11103	Synthesis and optical properties of GaN micro/nanocone bundles on copper wafers. Materials Research Bulletin, 2008, 43, 2207-2212.	5.2	4
11104	Recent advances in carbon nanotube-based electronics. Materials Research Bulletin, 2008, 43, 2517-2526.	5.2	82
11105	Microwave-absorbing properties of Co-filled carbon nanotubes. Materials Research Bulletin, 2008, 43, 2697-2702.	5.2	112
11106	The effect of carbon nanotubes microstructures on reinforcing properties of SWNTs/alumina composite. Materials Research Bulletin, 2008, 43, 2806-2809.	5.2	31
11107	Preparation and characterization of Ni-Cu-P/CNTs quaternary electroless composite coating. Materials Research Bulletin, 2008, 43, 3425-3432.	5.2	24
11108	Synthesis and characterization of carbon nanoribbons and single crystal iron filled carbon nanotubes. Materials Research Bulletin, 2008, 43, 3252-3262.	5.2	24
11109	Preparation of floral-patterned ZnO/MWCNT heterogeneity structure using microwave irradiation heating method. Materials Letters, 2008, 62, 30-32.	2.6	23
11110	Large-scale metal oxide nanostructures on template-patterned microbowls: A simple method for growth of hierarchical structures. Materials Letters, 2008, 62, 389-393.	2.6	9

#	ARTICLE	IF	CITATIONS
11111	Dispersion of aminoalkylsilyl ester or amine alkyl-phosphonic acid side wall functionalized carbon nanotubes in silica using sol-gel processing. Materials Letters, 2008, 62, 918-922.	2.6	29
11112	Synthesis of titania-based microwires by localized electrolytic deposition using a scanning electrochemical microscope (SECM). Materials Letters, 2008, 62, 1067-1070.	2.6	2
11113	Fabrication of single crystalline α -SiAlON nanowires. Materials Letters, 2008, 62, 1349-1352.	2.6	19
11114	Reaction-crystallization growth and electrical property of ammonium decavanadate nanorods. Materials Letters, 2008, 62, 1458-1461.	2.6	14
11115	The influences of synthesis temperature and Ni catalyst on the growth of carbon nanotubes by chemical vapor deposition. Materials Letters, 2008, 62, 1472-1475.	2.6	33
11116	Morphology control and transition of ZnO nanorod arrays by a simple hydrothermal method. Materials Letters, 2008, 62, 1503-1506.	2.6	64
11117	Significant morphology dependence on nitrogen proportion in growing carbon nanotubes. Materials Letters, 2008, 62, 1893-1895.	2.6	8
11118	Field emission properties of a carbon nanotube cathode in different electric field modes. Materials Letters, 2008, 62, 1941-1944.	2.6	8
11119	Self-standing geometry of aligned carbon nanotubes with high surface area. Materials Letters, 2008, 62, 1989-1992.	2.6	20
11120	Facile synthesis of poly(o-phenylenediamine) microfibrils using cupric sulfate as the oxidant. Materials Letters, 2008, 62, 3240-3242.	2.6	33
11121	Direct growth of carbon nanotube junctions by switching source gases in a continuous chemical vapor deposition. Materials Letters, 2008, 62, 3288-3290.	2.6	1
11122	Synthesis and characterization of higher fullerene (C ₈₄) in dc arc discharge using Cu as a catalyst. Materials Letters, 2008, 62, 3367-3369.	2.6	9
11123	Coordination-induced formation of nanobelts of organic-inorganic hybrid materials at room temperature. Materials Letters, 2008, 62, 3549-3551.	2.6	4
11124	Excellent solid lubrication of electrodeposited nickel-multiwalled carbon nanotube composite films. Materials Letters, 2008, 62, 3545-3548.	2.6	98
11125	Characterization and magnetic property of carbon coated metal nanoparticles and hollow carbon onions fabricated by CVD of methane. Materials Letters, 2008, 62, 3697-3699.	2.6	17
11126	The enhanced growth of multi-walled carbon nanotubes using an atmospheric pressure plasma jet. Materials Letters, 2008, 62, 3849-3851.	2.6	8
11127	Fabrication of CdO nanotubes via simple thermal evaporation. Materials Letters, 2008, 62, 3928-3930.	2.6	80
11128	Optimization of synthesis condition for carbon nanotubes by chemical vapor deposition on Fe-Ni-Mo/MgO catalyst. Materials Letters, 2008, 62, 3878-3880.	2.6	15

#	ARTICLE	IF	CITATIONS
11129	Synthesis of silicon nanowires after hydrogen radical treatment. Materials Letters, 2008, 62, 3903-3905.	2.6	34
11130	Deformation of single-walled carbon nanotubes under large axial strains. Materials Letters, 2008, 62, 3940-3943.	2.6	7
11131	Low temperature synthesis of multi-walled carbon nanotubes via a sonochemical/hydrothermal method. Materials Letters, 2008, 62, 4175-4176.	2.6	41
11132	Decorating carbon nanotubes with Cobalt nanoparticles. Materials Letters, 2008, 62, 4059-4061.	2.6	18
11133	An attempt to prepare carbon nanotubes by carbonizing polyphosphazene nanotubes with high carbon content. Materials Letters, 2008, 62, 4130-4133.	2.6	13
11134	Mechanical strength improvement of polypropylene threads modified by PVA/CNT composite coatings. Materials Letters, 2008, 62, 4380-4382.	2.6	43
11135	Nanotechnology in regenerative medicine: the materials side. Trends in Biotechnology, 2008, 26, 39-47.	9.3	285
11136	Sol-gel preparation of catalyst particles on substrates for hot-filament CVD nanotube deposition. Diamond and Related Materials, 2008, 17, 1452-1457.	3.9	6
11137	Carbon Nanotubes Grown by RF Heating and Their Morphological and Structural Properties. Particulate Science and Technology, 2008, 26, 521-528.	2.1	2
11138	Scale effect on wave propagation of double-walled carbon nanotubes with initial axial loading. Nanotechnology, 2008, 19, 185703.	2.6	93
11139	Synthesis of carbon nanotubes and nanospheres with controlled morphology using different catalyst precursors. Nanotechnology, 2008, 19, 325607.	2.6	28
11140	Dye-sensitized solar cells: A safe bet for the future.. Energy and Environmental Science, 2008, 1, 655.	30.8	373
11141	Catalytic Decomposition of Methane over Ni/Al ₂ O ₃ Catalysts: Effect of Plasma Treatment on Carbon Formation. Energy & Fuels, 2008, 22, 1480-1484.	5.1	33
11142	Lipid Nanotubes: Formation, Templating Nanostructures and Drug Nanocarriers. Critical Reviews in Solid State and Materials Sciences, 2008, 33, 183-196.	12.3	37
11143	Growth and spectral analysis of ZnO nanotubes. Journal of Applied Physics, 2008, 103, 094303.	2.5	37
11144	Solid-State Chemosensitive Organic Devices for Vapor-Phase Detection. , 2008, , 141-184.		1
11145	Novel Boron Nitride Hollow Nanoribbons. ACS Nano, 2008, 2, 2183-2191.	14.6	192
11146	Exfoliation of Single-Walled Carbon Nanotubes Induced by the Structural Effect of Perylene Derivatives and Their Optoelectronic Properties. Journal of Physical Chemistry C, 2008, 112, 15267-15273.	3.1	35

#	ARTICLE	IF	CITATIONS
11147	Topological Properties of Titanate Nanotubes. Journal of Physical Chemistry C, 2008, 112, 8548-8552.	3.1	41
11148	Electrospinning Preparation, Structure, and Photoluminescence Properties of YBO ₃ :Eu ³⁺ Nanotubes and Nanowires. Chemistry of Materials, 2008, 20, 4762-4767.	6.7	98
11149	Ultra-high sensitivity of super carbon-nanotube-based mass and strain sensors. Nanotechnology, 2008, 19, 165502.	2.6	43
11150	Noncovalent Functionalization of Carbon Nanotubes with Amphiphilic Gd ³⁺ Chelates: Toward Powerful T ₁ and T ₂ MRI Contrast Agents. Nano Letters, 2008, 8, 232-236.	9.1	156
11151	Crossover between two different magnetization reversal modes in arrays of iron oxide nanotubes. Physical Review B, 2008, 77, .	3.2	139
11152	Flow Sensors. , 2008, , 209-272.		11
11153	Microwave-assisted synthesis of WS ₂ nanowires through tetrathiotungstate precursors. Science and Technology of Advanced Materials, 2008, 9, 045008.	6.1	27
11154	Synthesis, growth mechanism, and light-emission properties of twisted SiO ₂ nanobelts and nanosprings. Journal of Chemical Physics, 2008, 129, 164702.	3.0	13
11155	Hybrid titanium dioxide/PS-b-PEO block copolymer nanocomposites based on sol-gel synthesis. Nanotechnology, 2008, 19, 155607.	2.6	62
11156	PEG-Mediated Hydrothermal Growth of Single-Crystal Tellurium Nanotubes. Crystal Growth and Design, 2008, 8, 4415-4419.	3.0	34
11157	Alignment of Carbon Nanotubes in Nematic Liquid Crystals. Journal of Physical Chemistry B, 2008, 112, 4512-4518.	2.6	129
11158	Large-Scale Atomic/Molecular Massively Parallel Simulator (LAMMPS) Simulations of the Effects of Chirality and Diameter on the Pullout Force in a Carbon Nanotube Bundle. , 2008, , .		11
11159	Direct Synthesis of Carbon-Rich Composite Sub-microtubes by Combination of a Solvothermal Route and a Succeeding Self-Assembly Process. Journal of Physical Chemistry C, 2008, 112, 4024-4028.	3.1	20
11160	Adsorption of Phenolic Compounds by Carbon Nanotubes: Role of Aromaticity and Substitution of Hydroxyl Groups. Environmental Science & Technology, 2008, 42, 7254-7259.	10.0	532
11161	Directed assembly of carbon nanotubes on soft substrates for use as a flexible biosensor array. Nanotechnology, 2008, 19, 505502.	2.6	16
11162	The effect of embedded carbon nanotubes on the morphological evolution during the carbonization of poly(acrylonitrile) nanofibers. Nanotechnology, 2008, 19, 165603.	2.6	98
11163	Influence of Surface Functionalized Carbon Nanotubes on the Properties of Polyurethane Nanocomposites. Soft Materials, 2008, 6, 65-74.	1.7	29
11164	Nanostructured thin solid oxide fuel cells with high power density. Dalton Transactions, 2008, , 5501.	3.3	51

#	ARTICLE	IF	CITATIONS
11165	Tuning the band structures of single walled silicon carbide nanotubes with uniaxial strain: A first principles study. Applied Physics Letters, 2008, 92, 183116.	3.3	28
11166	The Electronic Role of DNA-Functionalized Carbon Nanotubes: Efficacy for in Situ Polymerization of Conducting Polymer Nanocomposites. Journal of the American Chemical Society, 2008, 130, 7921-7928.	13.7	36
11167	Synthesis of Carbon Spheres via a Low-Temperature Metathesis Reaction. Journal of Physical Chemistry C, 2008, 112, 12134-12137.	3.1	15
11168	Influence of Nanotube Chirality, Temperature, and Chemical Modification on the Interfacial Bonding between Carbon Nanotubes and Polyphenylacetylene. Journal of Physical Chemistry C, 2008, 112, 16514-16520.	3.1	45
11169	Influence of Temperature on Evolution of Coaxial ZnO/Al ₂ O ₃ One-Dimensional Heterostructures: From Core-Shell Nanowires to Spinel Nanotubes and Porous Nanowires. Journal of Physical Chemistry C, 2008, 112, 4068-4074.	3.1	73
11170	Field-emission-type x-ray source using carbon-nanofibers. Journal of Applied Physics, 2008, 103, 064505.	2.5	25
11171	Study of the Mechanism of Carbonization of Template in Silicon-Substituted Aluminophosphate Zeolite Crystals. Journal of Physical Chemistry C, 2008, 112, 11702-11706.	3.1	10
11172	Novel nanocomposites and hybrids for lubricating coating applications. Tribology and Interface Engineering Series, 2008, , 501-542.	0.0	4
11173	Egg albumin as a nanoreactor for growing single-crystalline Fe ₃ O ₄ nanotubes with high yields. Chemical Communications, 2008, , 5773.	4.1	45
11174	No Cage, No Tube: Relative Stabilities of Nanostructures. Journal of Physical Chemistry C, 2008, 112, 13200-13203.	3.1	11
11175	Modeling of the carbon nanotube chemical vapor deposition process using methane and acetylene precursor gases. Nanotechnology, 2008, 19, 165607.	2.6	18
11176	Hybrid density functional study of armchair SiC nanotubes. Physical Review B, 2008, 77, .	3.2	96
11177	Micro/Nanorobots. , 2008, , 411-450.		13
11178	Carbon Nanotube/Isotactic Polypropylene Composites Prepared by Latex Technology: Morphology Analysis of CNT-Induced Nucleation. Macromolecules, 2008, 41, 8081-8085.	4.8	138
11179	Polymers, Composites and Nano Biomaterials: Current and Future Developments. , 2008, , 15-26.		4
11180	Influence of Redox Molecules on the Electronic Conductance of Single-Walled Carbon Nanotube Field-Effect Transistors: A Application to Chemical and Biological Sensing. Journal of the American Chemical Society, 2008, 130, 3780-3787.	13.7	30
11181	Influence of Surface Oxides on the Adsorption of Naphthalene onto Multiwalled Carbon Nanotubes. Environmental Science & Technology, 2008, 42, 2899-2905.	10.0	277
11185	First-Principles Study of a Carbon Nanobud. ACS Nano, 2008, 2, 1459-1465.	14.6	59

#	ARTICLE	IF	CITATIONS
11186	Solvothermal synthesis of well-dispersed MF ₂ (M = Ca, Sr, Ba) nanocrystals and their optical properties. <i>Nanotechnology</i> , 2008, 19, 075603.	2.6	79
11187	The effects of curvature and surface heterogeneity on the adsorption of water in finite length carbon nanopores: a computer simulation study. <i>Molecular Physics</i> , 2008, 106, 627-641.	1.7	18
11188	An efficient fabrication of vertically aligned carbon nanotubes on flexible aluminum foils by catalyst-supported chemical vapor deposition. <i>Nanotechnology</i> , 2008, 19, 245607.	2.6	38
11189	Molecular Screening of Metal-Organic Frameworks for CO ₂ Storage. <i>Langmuir</i> , 2008, 24, 6270-6278.	3.5	227
11190	Bell-state preparation for fullerene-based electron spins in distant nanotubes. <i>Physical Review A</i> , 2008, 78, .	2.5	6
11191	Structural and Electronic Characteristics of Perhydrogenated Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2418-2422.	3.1	17
11192	Chapter 1 Nanotubes: an experimental overview. <i>Contemporary Concepts of Condensed Matter Science</i> , 2008, 3, 1-27.	0.5	2
11193	Designing the Carbon Nanotube Field Effect Transistor Through Contact Barrier Engineering. , 2008, , 217-246.		0
11194	Aspects of recent development of immunosensors. , 2008, , 237-260.		9
11195	Hydrothermal treatment to prepare hydroxyl group modified multi-walled carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2008, 18, 350-354.	6.7	85
11196	Heterogeneity Characterization of Ordered Mesoporous Carbon Adsorbent CMK-1 for Methane and Hydrogen Storage: GCMC Simulation and Comparison with Experiment. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13024-13036.	3.1	37
11197	Birth of a Nanoscience Building Block. <i>ACS Nano</i> , 2008, 2, 1514-1516.	14.6	43
11198	A Geometric Principle May Guide Self-Assembly of Fullerene Cages from Clathrin Triskelia and from Carbon Atoms. <i>Biophysical Journal</i> , 2008, 94, 958-976.	0.5	20
11199	Bulk Production of a New Form of sp ² Carbon: Crystalline Graphene Nanoribbons. <i>Nano Letters</i> , 2008, 8, 2773-2778.	9.1	588
11200	Carbon Nanotubes Supported Mesoporous Mesocrystals of Anatase TiO ₂ . <i>Chemistry of Materials</i> , 2008, 20, 2711-2718.	6.7	188
11201	Formation of single- and double-layer silicon in slit pores. <i>Physical Review B</i> , 2008, 77, .	3.2	64
11203	Strong and Ductile Colossal Carbon Tubes with Walls of Rectangular Macropores. <i>Physical Review Letters</i> , 2008, 101, 145501.	7.8	26
11204	Nanotribology of carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 365214.	1.8	16

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#	ARTICLE	IF	CITATIONS
11223	Biomolecules Functionalized Carbon Nanotubes and Their Applications. Carbon Materials, 2008, , 181-221.	1.2	8
11224	Homogeneous coating of Au and SnO ₂ nanocrystals on carbon nanotubes via layer-by-layer assembly: a new ternary hybrid for a room-temperature CO gas sensor. Chemical Communications, 2008, , 6182.	4.1	72
11225	Sound wave propagation in single-walled carbon nanotubes with initial axial stress. Journal of Applied Physics, 2008, 104, 014301.	2.5	73
11226	Multi-walled carbon nanotube arrays for gas sensing applications. Nanotechnology, 2008, 19, 345502.	2.6	36
11227	Carbon nanofibre reinforcement of soft materials. Soft Matter, 2008, 4, 2071.	2.7	45
11228	Increasing the length of single-wall carbon nanotubes in a magnetically enhanced arc discharge. Applied Physics Letters, 2008, 92, .	3.3	135
11229	Magnetic-field-enhanced synthesis of single-wall carbon nanotubes in arc discharge. Journal of Applied Physics, 2008, 103, .	2.5	51
11230	Properties of Membranes Containing Semi-dispersed Carbon Nanotubes. Environmental Engineering Science, 2008, 25, 565-576.	1.6	95
11231	Boron nitride nanotubes: functionalization and composites. Journal of Materials Chemistry, 2008, 18, 3900.	6.7	226
11232	Self-assembled tetrapyrroleâ€“fullerene and tetrapyrroleâ€“carbon nanotube donorâ€“acceptor hybrids for light induced electron transfer applications. Journal of Materials Chemistry, 2008, 18, 1440.	6.7	153
11233	State-of-the-art models for the phase diagram of carbon and diamond nucleation. Molecular Physics, 2008, 106, 2011-2038.	1.7	58
11234	A theoretical study of conformational aspects and energy transfer between terthiophene and quinquethiophene in perhydrotriphenylene inclusion compounds. Physical Chemistry Chemical Physics, 2008, 10, 5459.	2.8	8
11235	Influence of chirality on the interfacial bonding characteristics of carbon nanotube polymer composites. Journal of Applied Physics, 2008, 103, .	2.5	30
11236	Vibrational analysis of single-layered graphene sheets. Nanotechnology, 2008, 19, 085702.	2.6	134
11237	Uniform Colloidal Alkaline Earth Metal Fluoride Nanocrystals: Nonhydrolytic Synthesis and Luminescence Properties. Inorganic Chemistry, 2008, 47, 9509-9517.	4.0	100
11238	Catalyst-free solvothermal synthesis of carbon nanotubes. , 2008, , .		1
11239	DFT calculation for adatom adsorption on graphene sheet as a prototype of carbon nanotube functionalization. Journal of Physics: Conference Series, 2008, 100, 052087.	0.4	74
11240	Second-harmonic generation and linear electro-optical coefficients of SiC polytypes and nanotubes. Physical Review B, 2008, 78, .	3.2	53

#	ARTICLE	IF	CITATIONS
11241	Reinforcing polymer composites with epoxide-grafted carbon nanotubes. Nanotechnology, 2008, 19, 085710.	2.6	30
11242	Improved Conductivity of Carbon Nanotube Networks by <i>In Situ</i> Polymerization of a Thin Skin of Conducting Polymer. ACS Nano, 2008, 2, 1197-1204.	14.6	81
11243	Synthesis and characterization of magnetically active carbon nanofiber/iron oxide composites with hierarchical pore structures. Nanotechnology, 2008, 19, 455612.	2.6	41
11244	Coupled removal of organic compounds and heavy metals by titanate/carbon nanotube composites. Water Science and Technology, 2008, 58, 1985-1992.	2.5	44
11245	Half-metallicity in hybrid BCN nanoribbons. Journal of Chemical Physics, 2008, 129, 084712.	3.0	133
11246	Synthesis and Properties of Polypropylene/Multiwall Carbon Nanotube Composites. Macromolecules, 2008, 41, 3149-3156.	4.8	120
11247	One-step functionalization of carbon nanotubes by free-radical modification for the preparation of nanocomposite bipolar plates in polymer electrolyte membrane fuel cells. Journal of Materials Chemistry, 2008, 18, 3993.	6.7	54
11248	Understanding structures and electronic/spintronic properties of single molecules, nanowires, nanotubes, and nanoribbons towards the design of nanodevices. Journal of Materials Chemistry, 2008, 18, 4510.	6.7	59
11249	Carbon nanotube based biomedical agents for heating, temperature sensing and drug delivery. International Journal of Hyperthermia, 2008, 24, 496-505.	2.5	99
11250	Different Types of Nanosized Carbon Materials Produced by a Metal Dusting Process. Journal of Physical Chemistry C, 2008, 112, 20143-20148.	3.1	5
11251	Single-walled carbon nanotubes deposited on surface electrodes to improve interface impedance. Physiological Measurement, 2008, 29, S203-S212.	2.1	23
11252	Modelling Technologies and Applications. , 2008, , 15-38.		0
11253	Nanoconductive Adhesives. , 2008, , 189-208.		0
11254	Carbon Nanotubes: Synthesis and Characterization. , 2008, , 325-344.		4
11255	Characteristics of Carbon Nanotubes for Nanoelectronic Device Applications. , 2008, , 345-375.		1
11256	Carbon Nanotubes for Thermal Management of Microsystems. , 2008, , 377-393.		1
11257	Properties of 63Sn-37Pb and Sn-3.8Ag-0.7Cu Solders Reinforced With Single-Wall Carbon Nanotubes. , 2008, , 415-440.		1
11258	Length and the Oxidation Kinetics of Chemical-Vapor-Deposition-Generated Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2008, 112, 10108-10113.	3.1	14

#	ARTICLE	IF	CITATIONS
11260	Self-Assembled Nanotubes and Nanocoils from ss-Conjugated Building Blocks. , 2008, , 1-27.		7
11261	Near-band-edge recombinations in multiwalled boron nitride nanotubes: Cathodoluminescence and photoluminescence spectroscopy measurements. Physical Review B, 2008, 77, .	3.2	78
11262	Device Model for Ballistic CNFETs Using the First Conducting Band. IEEE Design and Test of Computers, 2008, 25, 178-186.	1.0	64
11263	Nanomaterial/neuronal hybrid system for functional recovery of the CNS. Drug Discovery Today: Disease Models, 2008, 5, 37-43.	1.2	13
11264	Modeling the destruction of realistic nanotube emitters: Relative role of charging and temperature. Physical Review B, 2008, 77, .	3.2	2
11265	NMR chemical shifts of molecules encapsulated in single walled carbon nanotubes. Journal of Chemical Physics, 2008, 128, 101102.	3.0	33
11266	Strain induced semiconductor nanotubes: from formation process to device applications. Journal Physics D: Applied Physics, 2008, 41, 193001.	2.8	124
11267	Nanomaterials for Application in Medicine and Biology. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , .	0.3	17
11268	Functionalized Nanoscale Materials, Devices and Systems. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , .	0.3	31
11269	Functionalized carbon nanotubes responsive to environmental stimuli. Journal of Materials Chemistry, 2008, 18, 1831.	6.7	31
11270	One-Dimensional Nanostructures. , 2008, , .		24
11271	Recent Advances in Nano-conductive Adhesives. Journal of Adhesion Science and Technology, 2008, 22, 815-834.	2.6	37
11272	Photophysics of Individual Single-Walled Carbon Nanotubes. Accounts of Chemical Research, 2008, 41, 235-243.	15.6	108
11273	The 2008 Kavli Prize in Nanoscience: Carbon Nanotubes. ACS Nano, 2008, 2, 1329-1335.	14.6	48
11274	Copper/Molybdenum Nanocomposite Particles as Catalysts for the Growth of Bamboo-Structured Carbon Nanotubes. Journal of Physical Chemistry C, 2008, 112, 12201-12206.	3.1	24
11275	Boron nitride and carbon double-wall hetero-nanotubes: first-principles calculation of electronic properties. Nanotechnology, 2008, 19, 095707.	2.6	12
11276	Effects of diffusion on photocurrent generation in single-walled carbon nanotube films. Applied Physics Letters, 2008, 92, 243510.	3.3	33
11277	Control of ruthenium oxide nanorod length in reactive sputtering. Nanotechnology, 2008, 19, 045611.	2.6	13

#	ARTICLE	IF	CITATIONS
11278	Structural Characteristics of Perhydrogenated Boron Nitride Fullerenes. Journal of Physical Chemistry C, 2008, 112, 10032-10037.	3.1	21
11279	Processing of Electroactive Nanostructured Films Incorporating Carbon Nanotubes and Phthalocyanines for Sensing. Journal of Physical Chemistry C, 2008, 112, 9050-9055.	3.1	49
11280	Effect of Long Multi-walled Carbon Nanotubes on Delamination Toughness of Laminated Composites. Journal of Composite Materials, 2008, 42, 5-23.	2.4	57
11281	Thermal Transport for Applications in Micro/Nanomachining. Microtechnology and MEMS, 2008, , .	0.2	14
11282	Medicinal Chemistry and Pharmacological Potential of Fullerenes and Carbon Nanotubes. Carbon Materials, 2008, , .	1.2	115
11283	The effect of two neighboring defects on the mechanical properties of carbon nanotubes. Nanotechnology, 2008, 19, 065703.	2.6	15
11284	Electronic flexoelectricity in low-dimensional systems. Physical Review B, 2008, 77, .	3.2	157
11285	Applied Scanning Probe Methods VIII. , 2008, , .		14
11286	Chemical Functionalization of Single-Walled Carbon Nanotubes (SWNTs) by Aryl Groups: A Density Functional Theory Study. Journal of Physical Chemistry C, 2008, 112, 13141-13149.	3.1	29
11287	Morphology Control of Nanoscale PbS Particles in a Polyol Process. Chemistry of Materials, 2008, 20, 3153-3162.	6.7	75
11288	Transrotational crystals in crystallizing amorphous films: new solid state order or novel extended imperfection. , 2008, , 657-658.		0
11289	Tannic Acid Adsorption and Its Role for Stabilizing Carbon Nanotube Suspensions. Environmental Science & Technology, 2008, 42, 5917-5923.	10.0	283
11290	Carbon Nanotubes as Reinforcement Elements of Composite Nanotools. Nano Letters, 2008, 8, 842-847.	9.1	21
11291	On the friction and wear of carbon nanofiberâ€“reinforced PEEKâ€“based polymer composites. Tribology and Interface Engineering Series, 2008, , 149-208.	0.0	7
11292	THEORETICAL ADVANCES IN THE ELECTRONIC AND ATOMIC STRUCTURES OF SILICON NANOTUBES AND NANOWIRES. , 2008, , 217-257.		2
11293	Carbon nanotube/silica composites obtained by solâ€“gel and high-pressure techniques. Nanotechnology, 2008, 19, 265607.	2.6	36
11294	Isotactic Polypropylene/Carbon Nanotube Composites Prepared by Latex Technology. Thermal Analysis of Carbon Nanotube-Induced Nucleation. Macromolecules, 2008, 41, 5753-5762.	4.8	126
11295	Flame-retardant-wrapped carbon nanotubes for simultaneously improving the flame retardancy and mechanical properties of polypropylene. Journal of Materials Chemistry, 2008, 18, 5083.	6.7	146

#	ARTICLE	IF	CITATIONS
11296	Ultrasonication-assisted surface functionalization of double-walled carbon nanotubes with azobis-type radical initiators. Journal of Materials Chemistry, 2008, 18, 3972.	6.7	17
11297	Electronic band structure of carbon nanotube superlattices from first-principles calculations. Physical Review B, 2008, 77, .	3.2	29
11298	Room-temperature growth of ion-induced carbon nanofibers: Effects of ion species. Diamond and Related Materials, 2008, 17, 525-528.	3.9	9
11299	Synthesis of carbon nanotubes by microwave plasma-enhanced hot filament chemical vapor deposition. Diamond and Related Materials, 2008, 17, 611-614.	3.9	15
11300	Carbon nanocapsules encapsulating cobalt nanoparticles by pulsed discharge plasma chemical vapor deposition. Diamond and Related Materials, 2008, 17, 576-580.	3.9	11
11301	Low temperature growth of carbon nanotubes on Si substrates in high vacuum. Diamond and Related Materials, 2008, 17, 589-593.	3.9	39
11303	A Donor- π Nanotube Paradigm for Nonlinear Optical Materials. Nano Letters, 2008, 8, 2814-2818.	9.1	106
11304	Organic Solvent-Induced Crystallization of Water-Soluble Inorganic Salt of Na ₃ Au(SO ₃) ₂ into Ultralong Nanobelts on a Large Scale. Chemistry of Materials, 2008, 20, 2869-2871.	6.7	9
11305	Potassium Doping in the Double-Walled Carbon Nanotubes at Room Temperature. Journal of Physical Chemistry C, 2008, 112, 4492-4497.	3.1	33
11306	Registry-Induced Electronic Superstructure in Double-Walled Carbon Nanotubes, Associated with the Interaction between Two Graphene-Like Monolayers. ACS Nano, 2008, 2, 2113-2120.	14.6	10
11307	Silicon Carbide Nanotubes As Potential Gas Sensors for CO and HCN Detection. Journal of Physical Chemistry C, 2008, 112, 15985-15988.	3.1	133
11308	New Materials for Solid-Phase Extraction of Trace Elements. Applied Spectroscopy Reviews, 2008, 43, 303-334.	6.7	151
11309	Modification of Carbon Nanotubes: Water-Soluble Polymers Nanocrystal Wrapping to Periodic Patterning with Assistance of Supercritical CO ₂ . Macromolecules, 2008, 41, 4519-4523.	4.8	85
11310	Applications of Carbon-Based Nanomaterials for Drug Delivery in Oncology. Carbon Materials, 2008, , 223-266.	1.2	5
11311	Terahertz characterization of multi-walled carbon nanotube films. Journal of Applied Physics, 2008, 103, 094324.	2.5	27
11312	Molecular physisorption on graphene and carbon nanotubes: a comparative <i>ab initio</i> study. Molecular Simulation, 2008, 34, 1019-1023.	2.0	10
11313	First-principles study of Schottky barrier formation of a semiconducting carbon nanotube-metal contact. , 2008, , .		0
11314	Synthesis and photocatalytic activity of WO ₃ nanoparticles prepared by the arc discharge method in deionized water. Nanotechnology, 2008, 19, 195709.	2.6	115

#	ARTICLE	IF	CITATION
11315	The effect of pre-treatment methods on morphology and size distribution of multi-walled carbon nanotubes. Nanotechnology, 2008, 19, 335702.	2.6	35
11316	Synthesis of High Coercivity Cobalt Nanotubes with Acetate Precursors and Elucidation of the Mechanism of Growth. Journal of Physical Chemistry C, 2008, 112, 14281-14285.	3.1	51
11317	Poly-l-lysine/hydroxyapatite/carbon nanotube hybrid nanocomposite applied for piezoelectric immunoassay of carbohydrateantigen 19-9. Analyst, The, 2008, 133, 184-190.	3.5	54
11318	Hypothetical three-dimensional all- s phase. Physical Review B, 2008, 78, .	3.1	46
11319	Poly(methyl methacrylate)/multi-walled carbon nanotube microbead composites via dispersion polymerization under ultrasonication. Diamond and Related Materials, 2008, 17, 1498-1501.	3.9	14
11320	Magnetostatic interactions between magnetic nanotubes. Applied Physics Letters, 2008, 93, 023101.	3.3	45
11321	Growth of carbon nanostructures on carbonized electrospun nanofibers with palladium nanoparticles. Nanotechnology, 2008, 19, 195303.	2.6	67
11322	First-principles study of a hybrid carbon material: Imperfect fullerenes covalently bonded to defective single-walled carbon nanotubes. Physical Review B, 2008, 77, .	3.2	22
11323	A study of the size-dependent elastic properties of ZnO nanowires and nanotubes. Nanotechnology, 2008, 19, 285710.	2.6	44
11324	Simulation Study of Noncovalent Hybridization of Carbon Nanotubes by Single-Stranded DNA in Water. Journal of Physical Chemistry B, 2008, 112, 16076-16089.	2.6	71
11325	Aggregation Kinetics of Multiwalled Carbon Nanotubes in Aquatic Systems: Measurements and Environmental Implications. Environmental Science & Technology, 2008, 42, 7963-7969.	10.0	401
11326	Characteristics of graphene-layer encapsulated nanoparticles fabricated using laser ablation method. Diamond and Related Materials, 2008, 17, 664-668.	3.9	12
11328	Synthesis, Characterization, and Formation Mechanism of Copper Sulfide-Core/Carbon-Sheath Cables by a Simple Hydrothermal Route. Crystal Growth and Design, 2008, 8, 2137-2143.	3.0	39
11329	Kinetic Study on Channelling of Protons in Metallic Carbon Nanotubes. Chinese Physics Letters, 2008, 25, 2588-2591.	3.3	5
11331	Theoretical Studies of the Interaction of an Open-Ended Boron Nitride Nanotube (BNNT) with Gas Molecules. Journal of Physical Chemistry C, 2008, 112, 20206-20211.	3.1	37
11332	Experimental analysis on tensile properties of FRP with nano clay. International Journal of Advanced Manufacturing Technology, 0, , 1.	3.0	5
11333	Mechanism growth of multiwalled carbon nanotubes on carbon black. Diamond and Related Materials, 2008, 17, 1506-1512.	3.9	17
11334	Poole's-Frenkel conduction in single wall carbon nanotube composite films built up by electrostatic layer-by-layer deposition. Journal of Applied Physics, 2008, 104, .	2.5	31

#	ARTICLE	IF	CITATIONS
11335	Functional Nanostructures. Nanostructure Science and Technology, 2008, , .	0.1	9
11336	Iron-cobalt catalysts synthesized by a reverse micelle impregnation method for controlled growth of carbon nanotubes. Diamond and Related Materials, 2008, 17, 1489-1493.	3.9	24
11337	Fabrication and Multifunctional Properties of High Volume Fraction Aligned Carbon Nanotube Polymeric Composites. , 2008, , .		3
11338	DC and AC Properties of Aligned Carbon Nanotube Forests and Polymeric Nanocomposites. , 2008, , .		0
11339	Electrical and Thermal Properties of Hybrid Woven Composites Reinforced with Aligned Carbon Nanotubes. , 2008, , .		10
11340	Investigation of the Electromechanical Sensory Potential of CNT-Polymer Nanocomposites Using Nano- and Micro-Scale Models. , 2008, , .		0
11341	Climber Motion Optimization for the Tethered Space Elevator. , 2008, , .		0
11342	Dispersing Carbon Nanotubes in Aqueous Solutions by a Starlike Block Copolymer. Journal of Physical Chemistry C, 2008, 112, 16377-16384.	3.1	85
11343	Enhanced Photocatalytic Water Splitting Properties of KNbO_3 Nanowires Synthesized through Hydrothermal Method. Journal of Physical Chemistry C, 2008, 112, 18846-18848.	3.1	135
11344	Adsorption and kinetic desorption study of $^{152+154}\text{Eu(III)}$ on multiwall carbon nanotubes from aqueous solution by using chelating resin and XPS methods. Radiochimica Acta, 2008, 96, 23-29.	1.2	72
11345	Asymmetrically Charged Carbon Nanotubes by Controlled Functionalization. ACS Nano, 2008, 2, 1833-1840.	14.6	28
11346	Electrochemiluminescence Immunosensor Based on CdSe Nanocomposites. Analytical Chemistry, 2008, 80, 4033-4039.	6.5	267
11347	Microwave Hall mobility studies on polymer-single walled carbon nanotube composite fibers. Applied Physics Letters, 2008, 92, .	3.3	6
11348	Performance Comparison Between Metallic Carbon Nanotube and Copper Nano-Interconnects. IEEE Transactions on Advanced Packaging, 2008, 31, 692-699.	1.6	50
11349	Growth of Vertically Aligned Single-Walled Carbon Nanotubes on Alumina and Sapphire Substrates. Japanese Journal of Applied Physics, 2008, 47, 1956.	1.5	71
11350	Catalyzed Filling of Carbon Nanotube Array with Graphite and the Thermal Properties of the Composites. Journal of Physical Chemistry C, 2008, 112, 5840-5842.	3.1	6
11351	Electronic and transport properties of contacts between molybdenum sulfide nanowires and gold electrodes. Applied Physics Letters, 2008, 93, .	3.3	11
11352	Synthesize carbon nanotubes by a novel method using chemical vapor deposition-fluidized bed reactor from solid-stated polymers. Diamond and Related Materials, 2008, 17, 567-570.	3.9	25

#	ARTICLE	IF	CITATIONS
11353	Isotopic Mass Effects for Low-Energy Ion Channeling in Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2008, 112, 15204-15206.	3.1	16
11354	Electronic structures of finite double-walled carbon nanotubes in a magnetic field. Journal of Physics Condensed Matter, 2008, 20, 075213.	1.8	10
11355	Nano-catalytic Liquefaction of Hydrogen. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2008, 30, 1540-1547.	2.3	8
11356	Atomic and electronic structure of divacancies in carbon nanotubes. Physical Review B, 2008, 77, .	3.2	41
11357	Carbon nanotubes in triphenylene and rufigallol-based room temperature monomeric and polymeric discotic liquid crystals. Journal of Materials Chemistry, 2008, 18, 3032.	6.7	87
11358	A Metal-Organic Nanotube Exhibiting Reversible Adsorption of $(H_2O)_{12}$ Cluster. Journal of the American Chemical Society, 2008, 130, 14064-14065.	13.7	200
11359	Conducting nanocomposite systems. , 2008, , 143-235.		3
11360	Multiwalled Carbon Nanotubes Modified Electrode as a Sensor for Adsorptive Stripping Voltammetric Determination of Hydrochlorothiazide. IEEE Sensors Journal, 2008, 8, 1523-1529.	4.7	77
11361	Attachment of Nitrogen and Oxygen Centered Radicals to Single-Walled Carbon Nanotube Salts. Chemistry of Materials, 2008, 20, 7339-7343.	6.7	39
11362	Fabrication and characterization of ultrafast carbon nanotube saturable absorbers for solid-state laser mode locking near $1\frac{1}{4}$ μm. Applied Physics Letters, 2008, 93, .	3.3	97
11363	An electrochemical sensor for pesticide assays based on carbon nanotube-enhanced acetylcholinesterase activity. Analyst, The, 2008, 133, 1182.	3.5	98
11364	Synthesis of High Aspect-Ratio Carbon Nanotube "Flying Carpets" from Nanostructured Flake Substrates. Nano Letters, 2008, 8, 1879-1883.	9.1	68
11365	Kevlar coated carbon nanotubes for reinforcement of polyvinylchloride. Journal of Materials Chemistry, 2008, 18, 5585.	6.7	45
11366	Diffusion and Separation of CO_2 and CH_4 in Silicalite, C_{168} Schwarzite, and IRMOF-1: A Comparative Study from Molecular Dynamics Simulation. Langmuir, 2008, 24, 5474-5484.	3.5	140
11367	High-resolution dielectric spectroscopy and electric-field dependence of carbon allotropes including multiwall and single-wall nanotubes. Applied Physics Letters, 2008, 92, 052906.	3.3	17
11368	First-principles study of the adsorption of atomic and molecular hydrogen on B_{18} and C_{24} nanotubes. Physical Review B, 2008, 77, .	3.2	30
11369	Molecular Structure of Helical Supramolecular Dendrimers. Journal of the American Chemical Society, 2008, 130, 14840-14852.	13.7	130
11370	Chapter 2 Quantum theories for carbon nanotubes. Contemporary Concepts of Condensed Matter Science, 2008, , 29-48.	0.5	1

#	ARTICLE	IF	CITATIONS
11371	Functionalization of BN nanotubes with dichlorocarbenes. <i>Nanotechnology</i> , 2008, 19, 015202.	2.6	52
11372	Light-Controlled Single-Walled Carbon Nanotube Dispersions in Aqueous Solution. <i>Langmuir</i> , 2008, 24, 9233-9236.	3.5	61
11373	Effect of arrangement of pillar array of aligned carbon nanotube bundles on its field-emission characteristic. <i>Diamond and Related Materials</i> , 2008, 17, 556-558.	3.9	17
11374	Electronic excitations in single-walled GaN nanotubes from first principles: Dark excitons and unconventional diameter dependences. <i>Physical Review B</i> , 2008, 77, .	3.2	41
11375	Nanofabrication. , 2008, , .		52
11376	Free vibration of nanorings/arches based on nonlocal elasticity. <i>Journal of Applied Physics</i> , 2008, 104, 014303.	2.5	80
11377	Fabrication of Al Micro-Coil and Loop by Utilizing Electromigration. , 2008, , .		0
11378	Materials investigation of multi-walled carbon nanotubes doped silica gel glass composites. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1327-1330.	3.1	15
11379	Growth of amorphous SiO ₂ nano-wires on pre-oxidized silicon substrate via chemical vapor deposition. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 1731-1735.	3.1	19
11380	Surfactant effects on the particle size of iron (III) oxides formed by sol-gel synthesis. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4063-4069.	3.1	11
11381	Vertically aligned N-doped carbon nanotubes by spray pyrolysis of turpentine oil and pyridine derivative with dissolved ferrocene. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4101-4106.	3.1	37
11382	Electrochemical investigation on addition of CNTs to the positive electrodes for Ni/MH rechargeable batteries. <i>Journal of Alloys and Compounds</i> , 2008, 449, 349-352.	5.5	5
11383	Catalytic growth of single- and double-walled carbon nanotubes from Fe-Mo nanoparticles supported on MgO. <i>Journal of Alloys and Compounds</i> , 2008, 449, 269-273.	5.5	20
11384	CuO nanowires synthesized by thermal oxidation route. <i>Journal of Alloys and Compounds</i> , 2008, 454, 268-273.	5.5	200
11385	Influence of single-wall carbon nanotube addition on the microstructural and tensile properties of Sn-Pb solder alloy. <i>Journal of Alloys and Compounds</i> , 2008, 455, 148-158.	5.5	74
11386	Synthesis and growth mechanism of metal filled carbon nanostructures by CVD using Ni/Y catalyst supported on copper. <i>Journal of Alloys and Compounds</i> , 2008, 456, 290-296.	5.5	36
11387	Flame synthesis of carbon nanotubes with high density on stainless steel mesh. <i>Journal of Alloys and Compounds</i> , 2008, 463, 317-322.	5.5	25
11388	Fabrication and growth mechanism of Ni-filled carbon nanotubes by the catalytic method. <i>Journal of Alloys and Compounds</i> , 2008, 465, 51-55.	5.5	28

#	ARTICLE	IF	CITATIONS
11389	Low temperature fabrication of hollow carbon nanospheres over Ni/Al ₂ O ₃ by the catalytic method. Journal of Alloys and Compounds, 2008, 465, 387-390.	5.5	11
11390	Synthesis and optical properties of aluminum nitride nanowires prepared by arc discharge method. Journal of Alloys and Compounds, 2008, 465, 562-566.	5.5	40
11391	Surfactant free hydrothermal formation of Pb ₃ O ₄ nanorods. Journal of Alloys and Compounds, 2008, 466, 323-325.	5.5	7
11392	Treatise on the Resolution of the diamond problem after 200 years. Progress in Solid State Chemistry, 2008, 36, 223-251.	7.2	9
11393	Comparison of chiral polyaniline carbon nanotube nanocomposites synthesized by aniline dimer-assisted chemistry and electrochemistry methods. Synthetic Metals, 2008, 158, 336-344.	3.9	13
11394	Encapsulation of multi-walled carbon nanotubes by poly(4-vinylpyridine) and its dispersion stability in various solvent media. Synthetic Metals, 2008, 158, 900-907.	3.9	32
11395	Affinity-based elimination of aromatic VOCs by highly crystalline multi-walled carbon nanotubes. Talanta, 2008, 74, 1265-1270.	5.5	46
11396	Direct electrochemistry and electrocatalysis of hemoglobin immobilized in TiO ₂ nanotube films. Talanta, 2008, 74, 1414-1419.	5.5	92
11397	A PDDA/poly(2,6-pyridinedicarboxylic acid)-CNTs composite film DNA electrochemical sensor and its application for the detection of specific sequences related to PAT gene and NOS gene. Talanta, 2008, 75, 987-994.	5.5	55
11398	Electroanalysis of some common pesticides using conducting polymer/multiwalled carbon nanotubes modified glassy carbon electrode. Talanta, 2008, 76, 1022-1028.	5.5	69
11399	Amperometric sulfite sensor based on multiwalled carbon nanotubes/ferrocene-branched chitosan composites. Talanta, 2008, 77, 366-371.	5.5	80
11400	Dilute Anionic Surfactant Solution Route to Polyaniline Rectangular Sub-microtubes as a Novel Nanostructure. Journal of Physical Chemistry B, 2008, 112, 5014-5019.	2.6	46
11401	Review of Fluid Slip over Superhydrophobic Surfaces and Its Dependence on the Contact Angle. Industrial & Engineering Chemistry Research, 2008, 47, 2455-2477.	3.7	253
11402	Mechanical and electronic properties of endofullerene Ne@C ₆₀ studied via structure distortions. Molecular Physics, 2008, 106, 703-716.	1.7	11
11403	Utilization of carbon nanofibers for airborne ultrasonic acoustic field detection using heterodyne interferometry. Optics Letters, 2008, 33, 947.	3.3	0
11404	Ordered DNA Wrapping Switches on Luminescence in Single-Walled Nanotube Dispersions. Journal of the American Chemical Society, 2008, 130, 12734-12744.	13.7	119
11405	Wrapping of Single-Walled Carbon Nanotubes by a π -Conjugated Polymer: The Role of Polymer Conformation-Controlled Size Selectivity. Journal of Physical Chemistry B, 2008, 112, 12263-12269.	2.6	97
11406	Stiffness- and Conformation-Dependent Polymer Wrapping onto Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2008, 130, 16697-16703.	13.7	69

#	ARTICLE	IF	CITATIONS
11407	Assembly of β -Cyclodextrins Acting as Molecular Bricks onto Multiwall Carbon Nanotubes. Journal of Physical Chemistry C, 2008, 112, 951-957.	3.1	72
11408	Green's Function Formulation of Electronic Transport at Nanoscale. Advances in Materials Research, 2008, , 219-241.	0.2	0
11409	Thermodynamic Stability of Novel Boron Sheet Configurations. Journal of Physical Chemistry B, 2008, 112, 10217-10220.	2.6	41
11410	Self-Passivating Edge Reconstructions of Graphene. Physical Review Letters, 2008, 101, 115502.	7.8	674
11411	Large-Scale and Shape-Controlled Syntheses of Three-Dimensional CdS Nanocrystals with Flowerlike Structure. Journal of Physical Chemistry C, 2008, 112, 1001-1007.	3.1	86
11412	The nano-forms of carbon. Journal of Materials Chemistry, 2008, 18, 1417.	6.7	234
11413	The Impact of Nanocontact on Nanowire Based Nanoelectronics. Nano Letters, 2008, 8, 3146-3150.	9.1	109
11414	Controlled Assembly and Dispersion of Strain-Induced InGaAs/GaAs Nanotubes. IEEE Nanotechnology Magazine, 2008, 7, 493-495.	2.0	41
11415	Enhancement of <i>In Vivo</i> Anticancer Effects of Cisplatin by Incorporation Inside Single-Wall Carbon Nanohorns. ACS Nano, 2008, 2, 2057-2064.	14.6	219
11416	Effect of the number of sublayers on axial optics of anisotropic helical structures. Applied Optics, 2008, 47, 3002.	2.1	10
11417	Carbon nanotube doped liquid crystal OCB cells: physical and electro-optical properties. Optics Express, 2008, 16, 12777.	3.4	107
11418	Biocompatible Nanomaterials and Nanodevices Promising for Biomedical Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 1-15.	0.3	5
11419	Room-temperature growth and characterization of iron-carbon nanocomposite fibers. , 2008, , .		0
11420	A pyrrole quinoline quinone glucose dehydrogenase biosensor based on screen-printed carbon paste electrodes modified by carbon nanotubes. Measurement Science and Technology, 2008, 19, 065203.	2.6	48
11422	Fabrication of carbon-nanotube-reinforced glass-ceramic nanocomposites by ultrasonic in situ sol-gel processing. Journal of Materials Chemistry, 2008, 18, 5344.	6.7	59
11423	Electrochemical analysis of trifluralin using a nanostructuring electrode with multi-walled carbon nanotubes. Environmental Pollution, 2008, 156, 1015-1020.	7.5	25
11424	Numerical study of equilibrium shapes and deformation of single-wall carbon nanotubes. Computational Materials Science, 2008, 41, 383-408.	3.0	10
11425	Evaluation of the effective mechanical properties of single walled carbon nanotubes using a spring based finite element approach. Computational Materials Science, 2008, 41, 561-569.	3.0	131

#	ARTICLE	IF	CITATIONS
11426	Wave propagation in fluid-filled multi-walled carbon nanotubes embedded in elastic matrix. Computational Materials Science, 2008, 42, 139-148.	3.0	43
11427	Mesh-free simulation of single-walled carbon nanotubes using higher order Cauchy-Born rule. Computational Materials Science, 2008, 42, 444-452.	3.0	47
11428	Bending buckling behaviors of single- and multi-walled carbon nanotubes. Computational Materials Science, 2008, 43, 579-590.	3.0	52
11429	A numerical study of vibrational properties of single-walled carbon nanotubes. Computational Materials Science, 2008, 43, 540-548.	3.0	73
11430	Continuum structures equivalent in normal mode vibrations to single-walled carbon nanotubes. Computational Materials Science, 2008, 43, 715-723.	3.0	105
11431	Selective adsorption of cations on single-walled carbon nanotubes: A density functional theory study. Computational Materials Science, 2008, 43, 886-891.	3.0	8
11432	Interactions between cation-encapsulated single-walled carbon nanotubes M+@SWNT (M+=H, Li, Na) and nucleophiles. Computational Materials Science, 2008, 44, 240-246.	3.0	8
11433	Zigzag SWNT-amino acid interactions: Theoretical insights. Computational Materials Science, 2008, 44, 310-315.	3.0	18
11434	Mechanical properties of phenolic-based nanocomposites reinforced by multi-walled carbon nanotubes and carbon fibers. Composites Part A: Applied Science and Manufacturing, 2008, 39, 677-684.	7.6	83
11435	Joining prepreg composite interfaces with aligned carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1065-1070.	7.6	358
11436	Fabrication and properties of carbon nanotubes reinforced Fe/hydroxyapatite composites by in situ chemical vapor deposition. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1128-1132.	7.6	32
11437	Effect of MWCNT content on rheological and dynamic mechanical properties of multiwalled carbon nanotube/polypropylene composites. Composites Part A: Applied Science and Manufacturing, 2008, 39, 1869-1875.	7.6	108
11438	Magnetoresistance of nanoscale molecular devices based on Aharonov-Bohm interferometry. Journal of Physics Condensed Matter, 2008, 20, 383201.	1.8	30
11439	Preparation and Properties of Pyrene-Modified Multi-Walled Carbon Nanotube/Epoxy Resin Nanocomposites. Macromolecular Symposia, 2008, 264, 100-106.	0.7	5
11440	CNx nanotubes as catalyst support to immobilize platinum nanoparticles for methanol oxidation. Journal of Materials Chemistry, 2008, 18, 1747.	6.7	164
11441	Large-Scale Production of Single-Wall Carbon Nanohorns with High Purity. Journal of Physical Chemistry C, 2008, 112, 1330-1334.	3.1	133
11442	Supramolecular Self-Assembly of Amphiphiles on Carbon Nanotubes: A Versatile Strategy for the Construction of CNT/Metal Nanohybrids, Application to Electrocatalysis. Journal of the American Chemical Society, 2008, 130, 8110-8111.	13.7	141
11443	Controlled growth of vertically aligned ZnO nanowires with different crystal orientation of the ZnO seed layer. Nanotechnology, 2008, 19, 235601.	2.6	34

#	ARTICLE	IF	CITATIONS
11444	Pillared Graphene: A New 3-D Network Nanostructure for Enhanced Hydrogen Storage. Nano Letters, 2008, 8, 3166-3170.	9.1	710
11445	Nanotubes, Nanofibers and Nanowires as Supports for Catalysts. , 2008, , 655-714.		5
11446	Clarâ€™KekulÃ© Structuring in Armchair Carbon Nanotubes. Organic Letters, 2008, 10, 1991-1994.	4.6	26
11447	Photofunctional nanomaterials composed of multiporphyrins and carbon-based Î€-electron acceptors. Journal of Materials Chemistry, 2008, 18, 1427.	6.7	306
11448	Energetics of nanoscale graphene ribbons: Edge geometries and electronic structures. Physical Review B, 2008, 77, .	3.2	127
11449	Covalent Immobilization of Proteins on Carbon Nanotubes Using the Cross-Linker 1-Ethyl-3-(3-dimethylaminopropyl)carbodiimideâ€”a Critical Assessment. Bioconjugate Chemistry, 2008, 19, 1945-1950.	3.6	247
11450	Interaction of Iron Atoms with Pristine and Defective (8, 0) Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2008, 112, 13571-13578.	3.1	17
11451	Growth mechanism and field emission properties of inject-like ZnO nanostructure. , 2008, , .		1
11452	Porous Carbon and Carbon/Metal Oxide Microfibers with Well-Controlled Pore Structure and Interface. Journal of the American Chemical Society, 2008, 130, 5034-5035.	13.7	55
11453	Carbon Nanotubes as Free-Radical Scavengers. Journal of Physical Chemistry C, 2008, 112, 8922-8927.	3.1	150
11454	Composites of Multiwalled Carbon Nanotubes and Molecularly Imprinted Polymers for Dopamine Recognition. Journal of Physical Chemistry C, 2008, 112, 4849-4854.	3.1	223
11455	Practical CNTâ€¢FED structure for highâ€¢luminance character displays. Journal of the Society for Information Display, 2008, 16, 273-279.	2.1	5
11456	Film surface morphology and field-emission characteristics of a carbon-nanotube array pattern fabricated under a magnetic field. Journal of the Society for Information Display, 2008, 16, 639.	2.1	0
11457	Growth of uniform carbonâ€¢nanotube arrays with sandwich technology. Journal of the Society for Information Display, 2008, 16, 645-650.	2.1	5
11458	Suspensionâ€¢deposited carbonâ€¢nanotube networks for flexible activeâ€¢matrix displays. Journal of the Society for Information Display, 2008, 16, 651-658.	2.1	8
11459	Biosynthesis of bacterial cellulose/multi-walled carbon nanotubes in agitated culture. Carbohydrate Polymers, 2008, 74, 659-665.	10.2	127
11460	Anchoring metal nanoparticles on hydrofluoric acid treated multiwalled carbon nanotubes as stable electrocatalysts. Electrochemistry Communications, 2008, 10, 1101-1104.	4.7	55
11461	An electrochemical sensor for determination of calcium dobesilate based on PoPD/MWNTs composite film modified glassy carbon electrode. Journal of Proteomics, 2008, 70, 1203-1209.	2.4	20

#	ARTICLE	IF	CITATIONS
11462	Amorphous hollow carbon spheres synthesized using radio frequency plasma-enhanced chemical vapour deposition. Journal Physics D: Applied Physics, 2008, 41, 195504.	2.8	11
11463	Toxicity of Single-Walled Carbon Nanohorns. ACS Nano, 2008, 2, 213-226.	14.6	223
11464	CVD synthesis and purification of multi-walled carbon nanotubes. , 2008, , .		2
11465	Molecular Simulation of Water in Carbon Nanotubes. Chemical Reviews, 2008, 108, 5014-5034.	47.7	440
11466	Mechanical properties of carbon nanotubeâ€“copper nanocomposites. Journal of Micromechanics and Microengineering, 2008, 18, 035013.	2.6	94
11467	Biosensors based on direct electron transfer of protein. , 2008, , 531-581.		12
11468	Atom by atom: HRTEM insights into inorganic nanotubes and fullerene-like structures. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15643-15648.	7.1	77
11469	Atomic-Scale In-situ Observation of Carbon Nanotube Growth from Solid State Iron Carbide Nanoparticles. Nano Letters, 2008, 8, 2082-2086.	9.1	503
11470	Size-Dependent Raman Red Shifts of Semiconductor Nanocrystals. Journal of Physical Chemistry B, 2008, 112, 14193-14197.	2.6	145
11471	Carbon Nanotubes and Mesenchymal Stem Cells: Biocompatibility, Proliferation and Differentiation. Nano Letters, 2008, 8, 2137-2143.	9.1	195
11472	Pristine Multiwalled Carbon Nanotube/Polyethylene Nanocomposites by Immobilized Catalysts. Chemistry of Materials, 2008, 20, 4588-4594.	6.7	44
11473	Interplay of Î€-Electron Delocalization and Strain in [<i>n</i>](2,7)Pyrenophanes. Journal of Organic Chemistry, 2008, 73, 8001-8009.	3.2	55
11474	Movement of hydrogen molecules in pristine, hydrogenated and nitrogen-doped single-walled carbon nanotubes. Molecular Simulation, 2008, 34, 1245-1252.	2.0	4
11475	Monitoring of Carboxylic Carbon Nanotubes in Surface Water by Using Multiwalled Carbon Nanotube-Modified Filter As Preconcentration Unit. Environmental Science & Technology, 2008, 42, 6100-6104.	10.0	34
11476	Horizontally Aligned Single-Walled Carbon Nanotube on Quartz from a Large Variety of Metal Catalysts. Nano Letters, 2008, 8, 2576-2579.	9.1	235
11477	Near-Infrared Fluorescent Materials for Sensing of Biological Targets. Sensors, 2008, 8, 3082-3105.	3.8	173
11478	Interaction of Acetone with Single Wall Carbon Nanotubes at Cryogenic Temperatures: A Combined Temperature Programmed Desorption and Theoretical Study. Langmuir, 2008, 24, 7848-7856.	3.5	30
11479	Rapid, localized synthesis of titanium-based nanoswords on MEMS. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	5

#	ARTICLE	IF	CITATIONS
11480	Enhancement of field emission from carbon nanotubes by post-treatment with a chromium trioxide solution. <i>New Carbon Materials</i> , 2008, 23, 104-110.	6.1	7
11482	Water assisted synthesis of clean single-walled carbon nanotubes over a Fe ₂ O ₃ /Al ₂ O ₃ binary aerogel catalyst. <i>New Carbon Materials</i> , 2008, 23, 351-355.	6.1	3
11483	Microstructure transformation of carbon nanofibers during graphitization. <i>Transactions of Nonferrous Metals Society of China</i> , 2008, 18, 1094-1099.	4.2	16
11484	Direct hydrothermal synthesis and magnetic property of titanate nanotubes doped magnetic metal ions. <i>International Journal of Minerals, Metallurgy, and Materials</i> , 2008, 15, 644-648.	0.2	20
11485	Fabrication of carbon nanowalls using electron beam excited plasma-enhanced chemical vapor deposition. <i>Diamond and Related Materials</i> , 2008, 17, 1513-1517.	3.9	79
11486	Copper-assisted, templated preparation of submicron-sized tubular CNT arrays by corona discharge enhanced CVD. <i>Diamond and Related Materials</i> , 2008, 17, 1912-1915.	3.9	1
11487	Formation of multi-walled carbon nanotubes by Ni-catalyzed decomposition of methane at 600–750°C. <i>Diamond and Related Materials</i> , 2008, 17, 1471-1475.	3.9	34
11488	High yield formation of carbon nanotubes using a rotating cathode in open air. <i>Diamond and Related Materials</i> , 2008, 17, 913-919.	3.9	33
11489	Preparation and characterization of Ni incorporated fullerene nanowhiskers. <i>Diamond and Related Materials</i> , 2008, 17, 571-575.	3.9	20
11490	Purification of single-wall carbon nanotubes by using high-pressure micro reactor. <i>Diamond and Related Materials</i> , 2008, 17, 1596-1599.	3.9	11
11491	Synthesis of C ₆₀ nanotubes by liquid–liquid interfacial precipitation method: Influence of solvent ratio, growth temperature, and light illumination. <i>Diamond and Related Materials</i> , 2008, 17, 529-534.	3.9	38
11492	Room-temperature synthesis and characterization of cobalt-doped carbon nanofibers. <i>Diamond and Related Materials</i> , 2008, 17, 581-584.	3.9	5
11493	Electrical characteristics of CNFETs with asymmetric gating structures. <i>Diamond and Related Materials</i> , 2008, 17, 154-157.	3.9	2
11494	Enhancement of Field Emission Characteristics for Multi-Walled Carbon Nanotubes Treated with a Mixed Solution of Chromic Trioxide and Nitric Acid. <i>Acta Physico-chimica Sinica</i> , 2008, 24, 1411-1416.	0.6	1
11495	Interactions of Quercetin with Casein and Bovine Serum Albumin as well as the Effects of Coexisting Carbon Nanotubes. <i>Acta Physico-chimica Sinica</i> , 2008, 24, 379-387.	0.6	7
11496	Investigation of Silicon Model Nanotubes as Potential Candidate Nanomaterials for Efficient Hydrogen Storage: A Combined Ab Initio/Grand Canonical Monte Carlo Simulation Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16725-16728.	3.1	36
11497	Sorption of Organic Contaminants by Carbon Nanotubes: Influence of Adsorbed Organic Matter. <i>Environmental Science & Technology</i> , 2008, 42, 3207-3212.	10.0	225
11498	Clay Minerals Affect the Stability of Surfactant-Facilitated Carbon Nanotube Suspensions. <i>Environmental Science & Technology</i> , 2008, 42, 6869-6875.	10.0	120

#	ARTICLE	IF	CITATIONS
11499	<i>Ab initio</i> study of transport properties in defected carbon nanotubes: an O(N) approach. Journal of Physics Condensed Matter, 2008, 20, 294214.	1.8	22
11500	Numerical Modeling of the I-V Characteristic of Carbon Nanotube Field Effect Transistors (CNT-FETs). System Theory, Proceedings of the Southeastern Symposium on, 2008, , .	0.0	7
11501	Analytical model of Carbon Nanotube Field Effect Transistors for NEMS applications. , 2008, , .		4
11502	Surfactant Effects on the Particle Size and Formation of Iron Oxides via a Sol-Gel Process. ACS Symposium Series, 2008, , 124-138.	0.5	2
11503	RuO ₂ ·xH ₂ O Supported on Carbon Nanotubes as a Highly Active Catalyst for Methanol Oxidation. Journal of Physical Chemistry C, 2008, 112, 11875-11880.	3.1	37
11504	Growth mechanisms of carbon nanofilaments on Ni-loaded diamond catalyst. Diamond and Related Materials, 2008, 17, 283-293.	3.9	8
11505	Mounting multi-walled carbon nanotubes on probes by dielectrophoresis. Diamond and Related Materials, 2008, 17, 1877-1880.	3.9	16
11506	Growth of carbon nanotubes in the microchannels of glass substrates. Diamond and Related Materials, 2008, 17, 1462-1466.	3.9	9
11507	Dependence of carbon fiber morphology with deposition conditions. Diamond and Related Materials, 2008, 17, 313-317.	3.9	8
11508	Magnetoelectronic properties of a carbon nanotube pair. Diamond and Related Materials, 2008, 17, 1565-1568.	3.9	1
11509	Synthesis and characterization of freestanding diamond/carbon nanoflake hybrid films. Diamond and Related Materials, 2008, 17, 1216-1220.	3.9	7
11510	Effect of Fe catalyst thickness and C ₂ H ₂ /H ₂ flow rate ratio on the vertical alignment of carbon nanotubes grown by chemical vapour deposition. Diamond and Related Materials, 2008, 17, 1502-1505.	3.9	22
11511	Aerosolization of Single-Walled Carbon Nanotubes for an Inhalation Study. Inhalation Toxicology, 2008, 20, 751-760.	1.6	59
11512	Highly oriented carbon nanotubes by chemical vapor deposition. , 2008, , .		0
11513	Synthesis and electrochemical probing of water-soluble poly(sodium 4-styrenesulfonate-co-acrylic) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.6	40
11514	Characterization of Inkjet Printed MWCNT in Colloidal and Conductive Polymer Solution. , 2008, , .		1
11515	Angle-controlled arrangement of single-walled carbon nanotubes solubilised by 8-quinolinol metal chelate derivatives on mica. Chemical Communications, 2008, , 1801.	4.1	9
11516	Effect of vacancy defects on the fundamental frequency of carbon nanotubes. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
11517	Graphitic carbon nanostructures via a facile microwave-induced solid-state process. Chemical Communications, 2008, , 2765.	4.1	35
11518	Sonoelectrochemical synthesis of CdSe nanotubes. Chemical Communications, 2008, , 1683.	4.1	54
11519	Aromaticity in cyclic alkali clusters. Physical Chemistry Chemical Physics, 2008, 10, 2461.	2.8	26
11520	Fabrication of Cu-based carbon nanofiber composite film applied in MEMS contactor. , 2008, , .		0
11521	Structural Properties of Carbon Nanogears. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 30-39.	2.1	1
11522	Carbon and silicon substitution in (4, 4) aluminum nitride nanotube – Density functional study of 27Al and 14N electric field gradient tensors. Canadian Journal of Chemistry, 2008, 86, 745-750.	1.1	5
11523	Synthesis and photoluminescence property of boron carbide nanowires. Chinese Physics B, 2008, 17, 4585-4591.	1.4	24
11524	Discrete breathers in carbon nanotubes. Europhysics Letters, 2008, 82, 66002.	2.0	52
11525	Performance of Electric Double-Layer Capacitor with Vertically Aligned MWCNT Sheet Electrodes Prepared by Transfer Methodology. Journal of the Electrochemical Society, 2008, 155, A930.	2.9	26
11526	Low-temperature fabrication method of carbon nanotubes-based gas sensor. , 2008, , .		0
11527	Highly Sensitive Amperometric Immunosensor for Detection of <i>Plasmodium falciparum</i> Histidine-Rich Protein 2 in Serum of Humans with Malaria: Comparison with a Commercial Kit. Journal of Clinical Microbiology, 2008, 46, 3759-3765.	3.9	56
11528	Optical absorption spectrum of single-walled carbon nanotubes dispersed in sodium cholate and sodium dodecyl sulfate. Journal of Materials Research, 2008, 23, 632-636.	2.6	8
11529	Tribology properties of carbon nanotube-reinforced composites. Tribology and Interface Engineering Series, 2008, , 245-267.	0.0	10
11530	Self Catalyzing Behavior of Kanthal Wire for Coating of Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2008, 16, 78-87.	2.1	5
11531	Modeling of a carbon nanotube junction with ab-initio software VASP. , 2008, , .		0
11532	Chapter 6 Functionalization of Carbon Nanotubes and Nanoparticles with Lipid. Behavior Research Methods, 2008, , 201-224.	4.0	6
11533	Surface decoration of carbon nanotubes and mechanical properties of cement/carbon nanotube composites. Advances in Cement Research, 2008, 20, 65-73.	1.6	352
11534	Integration of Single-Walled Carbon Nanotubes on to CMOS Circuitry with Parylene-C Encapsulation. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
11535	Spin diode based on a single-walled carbon nanotube. Applied Physics Letters, 2008, 92, .	3.3	30
11536	In-situ nanoelectrode growth inside FE-SEM for bio-chemical nanodevices. , 2008, , .		0
11537	Multifunctional Coatings with Carbon Nanotubes for Electrostatic Charge Mitigation. , 2008, , .		1
11538	Recent progress of Carbon Nanotubes as cooling fins in electronic packaging. , 2008, , .		4
11539	Spectrum of $\tilde{\epsilon}$ electrons in graphene as an alternant macromolecule and its specific features in quantum conductance. Physical Review B, 2008, 78, .	3.2	49
11540	Potential of carbon nanotubes for sensor applications. , 2008, , .		1
11541	Thermal, electrical characteristics and morphology of poly(Ethylene-Co-Ethyl Acrylate)/CNT nanocomposites. IEEE Transactions on Dielectrics and Electrical Insulation, 2008, 15, 205-213.	2.9	23
11542	Evaluation of the Structural Properties of Single-Walled Carbon Nanotubes Using a Dynamic Continuum Modeling Method. Mechanics of Advanced Materials and Structures, 2008, 15, 79-87.	2.6	14
11543	Isolation and pre-concentration of basic proteins in aqueous mixture via solid-phase extraction with multi-walled carbon nanotubes assembled on a silica surface. Analyst, The, 2008, 133, 1373.	3.5	23
11544	Controllable synthesis of graphitic carbon nanostructures from ion-exchange resin-iron complex via solid-state pyrolysis process. Chemical Communications, 2008, , 5411.	4.1	64
11545	High precision fluidic alignment of carbon nanotubes using magnetic attraction on a metal catalyst. Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), 2008, , .	0.0	2
11546	Direct electrochemistry of horseradish peroxidase in layer-by-layer nanotubes synthesized on template. , 2008, , .		0
11547	Neuroblastoma Cells Displacement by Magnetic Carbon Nanotubes. IEEE Transactions on Nanobioscience, 2008, 7, 105-110.	3.3	21
11548	Statistical latency analysis of carbon nanotube interconnects due to contact resistance variations. , 2008, , .		0
11549	Evaluation of van der Waals forces between the carbon nanotube tip and gold surface under an electron microscope. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2008, 222, 33-38.	0.1	5
11550	Investigation of Colloidal Suspension of SWCNT and β -Cyclodextrin Using AFM and Molecular Dynamics Simulation. ACS Symposium Series, 2008, , 402-416.	0.5	1
11551	Novel carbon nanostructures of caterpillar-like fibers and interwoven spheres with excellent surface super-hydrophobicity produced by chemical vapor deposition. Journal of Materials Chemistry, 2008, 18, 1245.	6.7	50
11552	Electrochemical Opening of Single-Walled Carbon Nanotubes Filled with Metal Halides and with Closed Ends. Journal of Physical Chemistry C, 2008, 112, 10389-10397.	3.1	49

#	ARTICLE	IF	CITATIONS
11553	Effect of Functionalization of Multiwalled Nanotubes on the Crystallization and Hydrolytic Degradation of Biodegradable Poly(l-lactide). Journal of Physical Chemistry B, 2008, 112, 16461-16468.	2.6	139
11554	Combined Raman Spectroscopy and Transmission Electron Microscopy Studies of a NanoBud Structure. Journal of the American Chemical Society, 2008, 130, 7188-7189.	13.7	39
11555	Effect of different gas medium on carbon nanotubes synthesis by arc discharge. , 2008, , .		0
11556	Vertically-aligned carbon nanotubes infiltrated with temperature-responsive polymers: smart nanocomposite films for self-cleaning and controlled release. Chemical Communications, 2008, , 163-165.	4.1	30
11557	Heck reaction on single-walled carbon nanotubes. Synthesis and photochemical properties of a wall functionalized SWNT-anthracene derivative. Journal of Materials Chemistry, 2008, 18, 1592.	6.7	22
11558	Self-assembly of carbon nanotube polyhedrons inside microchannels. Chemical Communications, 2008, , 2747.	4.1	9
11559	Three-dimensional AlN microroses and their enhanced photoluminescence properties. Chemical Communications, 2008, , 5221.	4.1	10
11560	Local Structure of TiO ₂ -Derived Nanotubes Prepared by the Hydrothermal Process. Journal of Physical Chemistry C, 2008, 112, 1658-1662.	3.1	78
11561	Isolated rigid rod behavior of functionalized single-wall carbon nanotubes in solution determined via small-angle neutron scattering. Physical Review B, 2008, 78, .	3.2	13
11562	Direct Synthesis of Indium Nanotubes from Indium Metal Source. Crystal Growth and Design, 2008, 8, 344-346.	3.0	20
11563	Aligned Bundles of Carbon Nanotubes Are Easily Grown on As-Synthesized Mesoporous Silicate Substrates. Journal of Physical Chemistry C, 2008, 112, 15157-15162.	3.1	10
11564	Poly(aniline-co-anisidine)/Sulfonated Carbon Nanotubes Composites Prepared by Surface Adsorption Method. Journal of Macromolecular Science - Physics, 2008, 47, 743-753.	1.0	6
11565	Interaction between Glycine/Glycine Radicals and Intrinsic/Boron-Doped (8,0) Single-Walled Carbon Nanotubes: A Density Functional Theory Study. Journal of Physical Chemistry B, 2008, 112, 15442-15449.	2.6	39
11566	Grafting Branches and Diameter Adjustment to Nanotubes. Chemistry of Materials, 2008, 20, 3740-3744.	6.7	1
11567	Wet Chemistry Self-Seeded Surface-Deposition Process toward Amorphous Carbon Nanotubes and Their Electrochemical Application. Chemistry of Materials, 2008, 20, 3034-3041.	6.7	30
11568	Analytical approach to phonons and electron-phonon interactions in single-walled armchair carbon nanotubes. Physical Review B, 2008, 77, .	3.2	7
11569	Strong Visible Absorption and Photoluminescence of Titanic Acid Nanotubes by Hydrothermal Method. Journal of Physical Chemistry C, 2008, 112, 5361-5364.	3.1	17
11570	Ballistic rectification in a Z-shaped graphene nanoribbon junction. Applied Physics Letters, 2008, 92, .	3.3	55

#	ARTICLE	IF	CITATIONS
11571	Nanocatalysts with Tunable Properties Derived from Polystyrene-b-poly(vinyl pyridine) Block Copolymer Templates for Achieving Controllable Carbon Nanotube Synthesis. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10344-10351.	3.1	14
11572	Modeling the Neuron-Carbon Nanotube-ISFET Junction to Investigate the Electrophysiological Neuronal Activity. <i>Nano Letters</i> , 2008, 8, 4433-4440.	9.1	30
11573	Surface Composition of Carbon Nanotubes-Fe-Alumina Nanocomposite Powders: An Integral Low-Energy Electron Mössbauer Spectroscopic Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5756-5761.	3.1	17
11574	Hydrothermal Synthesis of Ferroelectric PbHPO ₄ Nanowires from a Single-Source Precursor. <i>Journal of Physical Chemistry C</i> , 2008, 112, 16818-16823.	3.1	10
11575	Cycloadditions to Control Bond Breaking in Naphthalenes, Fullerenes, and Carbon Nanotubes: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4480-4485.	3.1	22
11576	Structure, Energetics, and Reactivity of Boric Acid Nanotubes: A Molecular Tailoring Approach. <i>Journal of Physical Chemistry A</i> , 2008, 112, 7699-7704.	2.5	36
11578	Developing Random Network Theory for Carbon Nanotube Modified Electrode Voltammetry: Introduction and Application to Estimating the Potential Drop between MWCNT-MWCNT Contacts. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13729-13738.	3.1	15
11579	Metallic Glass Nanowire. <i>Nano Letters</i> , 2008, 8, 516-519.	9.1	32
11580	Highly Dense and Perfectly Aligned Single-Walled Carbon Nanotubes Fabricated by Diamond Wire Drawing Dies. <i>Nano Letters</i> , 2008, 8, 1071-1075.	9.1	70
11581	Spatial Disposition of Dye Molecules within Metal Oxide Nanotubes. <i>Chemistry of Materials</i> , 2008, 20, 4998-5004.	6.7	14
11582	Hyperbranched Polymer-Assisted Hydrothermal In situ Synthesis of Submicrometer Silver Tubes. <i>Crystal Growth and Design</i> , 2008, 8, 2982-2985.	3.0	13
11583	Synthesis of Aligned Carbon Nanofibers on Electrochemically Preroughened Silicon. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9247-9252.	3.1	2
11584	One-Dimensional Confinement of CdS Nanodots and Subsequent Formation of CdS Nanowires by Using a Glycolipid Nanotube as a Ship-in-Bottle Scaffold. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18412-18416.	3.1	13
11585	Preparation and characterisation of silicone-based coatings filled with carbon nanotubes and natural sepiolite and their application as marine fouling-release coatings. <i>Biofouling</i> , 2008, 24, 291-302.	2.2	197
11586	Investigation of the Role of Surface Chemistry and Accessibility of Cadmium Adsorption Sites on Open-Surface Carbonaceous Materials. <i>Langmuir</i> , 2008, 24, 11701-11710.	3.5	30
11587	Effects of boron nitride impurities on the elastic properties of carbon nanotubes. <i>Nanotechnology</i> , 2008, 19, 445703.	2.6	24
11588	From Fullerenes and Icosahedral Diamondoids to Polyicosahedral Nanowires: Structural, Electronic, and Mechanical Characteristics. <i>Journal of Physical Chemistry C</i> , 2008, 112, 11122-11129.	3.1	12
11589	Recent Trends in the Application of Carbon Nanotubes-Polymer Composite Modified Electrodes for Biosensors: A Review. <i>Analytical Letters</i> , 2008, 41, 210-243.	1.8	67

#	ARTICLE	IF	CITATIONS
11590	<i>Ab initio</i> prediction of stable boron sheets and boron nanotubes: Structure, stability, and electronic properties. <i>Physical Review B</i> , 2008, 77, .	3.2	315
11591	Lipid Nanotubes: A Unique Template To Create Diverse One-Dimensional Nanostructures. <i>Chemistry of Materials</i> , 2008, 20, 625-633.	6.7	129
11592	Formation of Flower-Like Carbon Nanosheet Aggregations and Their Electrochemical Application. <i>Journal of Physical Chemistry C</i> , 2008, 112, 13114-13120.	3.1	59
11593	First-Principles Study of the Structural Stability and Electronic Properties of ZnS Nanowires. <i>Journal of Physical Chemistry C</i> , 2008, 112, 20291-20294.	3.1	11
11594	Synthesis, Characterization, and Manipulation of Nitrogen-Doped Carbon Nanotube Cups. <i>ACS Nano</i> , 2008, 2, 1914-1920.	14.6	51
11595	Controlled Manipulation of Giant Hybrid Inorganic Nanowire Assemblies. <i>Nano Letters</i> , 2008, 8, 1853-1857.	9.1	30
11596	Theoretical and Experimental Study on a Self-Assembling Polysaccharide Forming Nanochannels: Static and Dynamic Effects Induced by a <i>Soft</i> Confinement. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6473-6483.	2.6	20
11597	In Situ Heating TEM Study of Onion-like WS ₂ and MoS ₂ Nanostructures Obtained via MOCVD. <i>Chemistry of Materials</i> , 2008, 20, 65-71.	6.7	52
11598	Vibrational and Thermal Properties of Poly (Vinyl Alcohol)/MultiWall Carbon Nanotubes Nanocomposite. , 2008, , .		0
11599	Screening Electromagnetic Interference Effect using Nanocomposites. <i>Macromolecular Symposia</i> , 2008, 263, 21-29.	0.7	15
11600	A Carbon Nanofilament-Bead Necklace. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9644-9649.	3.1	7
11601	Synthesis and Growth Discussion of One-Dimensional MgO Nanostructures: Nanowires, Nanobelts, and Nanotubes in VLS Mechanism. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10412-10417.	3.1	54
11602	Influence of the Substitution Pattern of Cp-Iron-Arene Salts in the Solid-State Synthesis of New Carbon Nanostructures. <i>Organometallics</i> , 2008, 27, 3430-3434.	2.3	2
11603	Field Emission from V ₂ O ₅ - <i>n</i> -H ₂ O Nanorod Arrays. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2262-2265.	3.1	31
11604	Adsorption on Nanotubes Having Equilateral Triangular Geometry with First- and Second-Neighbor Interactions: Attractive First Neighbors. <i>Langmuir</i> , 2008, 24, 11722-11727.	3.5	3
11605	Morphology of PEG-Stabilized Carbon Nanofibers in Water. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15306-15310.	3.1	8
11606	Single-Walled Carbon Nanotubes and Multiwalled Carbon Nanotubes Functionalized with Poly(<i>l</i> -lactic acid): a Comparative Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10663-10667.	3.1	45
11607	Hydrothermal Synthesis of Cerium Fluoride Hollow Nanostructures in a Controlled Growth Microenvironment. <i>Journal of Physical Chemistry C</i> , 2008, 112, 9604-9609.	3.1	16

#	ARTICLE	IF	CITATIONS
11608	CO Oxidation Catalyzed by Single-Walled Helical Gold Nanotube. Nano Letters, 2008, 8, 195-202.	9.1	113
11609	Purification of Single-Walled Carbon Nanotubes by a Highly Efficient and Nondestructive Approach. Chemistry of Materials, 2008, 20, 2895-2902.	6.7	78
11610	Helices of Boron-Nitrogen Hexagons and Decagons. A Theoretical Study. Journal of Physical Chemistry A, 2008, 112, 6783-6787.	2.5	5
11611	Characterization of Electrical and Mechanical Properties for Coaxial Nanofibers with Poly(ethylene Terephthalate). Journal of Polymer Science Part B: Polymer Physics, 2008, 46, 1431-1438.	4.8	43
11612	Adsorption Phenomena of Tetracyanoquinodimethane on Single-Wall Carbon Nanohorns. Journal of Physical Chemistry C, 2008, 112, 5416-5422.	3.1	14
11613	Complexation between Rhodamine 101 and Single-Walled Carbon Nanotubes Indicative of Solvent-Nanotube Interaction Strength. Journal of Physical Chemistry C, 2008, 112, 15144-15150.	3.1	15
11614	One-Step Thermo-Chemical Synthetic Method for Nanoscale One-Dimensional Heterostructures. Chemistry of Materials, 2008, 20, 3788-3790.	6.7	14
11615	Influence of Shear on the Templated Crystallization of Poly(butylene terephthalate)/Single Wall Carbon Nanotube Nanocomposites. Macromolecules, 2008, 41, 844-851.	4.8	74
11616	Single-Walled MoO ₃ Nanotubes. Journal of the American Chemical Society, 2008, 130, 8126-8127.	13.7	176
11617	Chemical Reaction of Reagents Covalently Confined to a Nanotube Surface: Nanotube-Mediated Redox Chemistry. Journal of Physical Chemistry C, 2008, 112, 8122-8126.	3.1	15
11618	Carbon nanotubes as integrative materials for organic photovoltaic devices. Journal of Materials Chemistry, 2008, 18, 153-157.	6.7	124
11619	Capillary Absorption of Metal Nanodroplets by Single-Wall Carbon Nanotubes. Nano Letters, 2008, 8, 2253-2257.	9.1	67
11620	Synthesis of Carbon Nanotubes Using a Butane-Air Bunsen Burner and the Resulting Field Emission Characteristics. Journal of Physical Chemistry C, 2008, 112, 19224-19230.	3.1	15
11621	A Facile Approach for the Synthesis of Uniform Hollow Carbon Nanospheres. Journal of Physical Chemistry C, 2008, 112, 1896-1900.	3.1	29
11622	Magnetism in defected single-walled boron nitride nanotubes. Europhysics Letters, 2008, 83, 17007.	2.0	18
11623	Au(Si)-filled ZnO nanotubes as wide range high temperature nanothermometers. Applied Physics Letters, 2008, 92, .	3.3	40
11624	Multicolored Carbon Nanotubes: Decorating Patterned Carbon Nanotube Microstructures with Quantum Dots. ACS Nano, 2008, 2, 1389-1395.	14.6	19
11625	High-Quality Multiwalled Carbon Nanotubes from Catalytic Decomposition of Carbonaceous Materials in Gas-Solid Fluidized Beds. Industrial & Engineering Chemistry Research, 2008, 47, 2166-2175.	3.7	65

#	ARTICLE	IF	CITATIONS
11626	Crystallographic Evidence of an Unusual, Pentagon-Shaped Folding Pattern in a Circular Aromatic Pentamer. <i>Organic Letters</i> , 2008, 10, 5127-5130.	4.6	74
11627	Bioaccumulation of Radio-Labeled Carbon Nanotubes by <i>Eisenia foetida</i> . <i>Environmental Science & Technology</i> , 2008, 42, 3090-3095.	10.0	162
11628	Environmentally Friendly Growth of Highly Crystalline Photocatalytic $\text{Na}_2\text{Ti}_6\text{O}_{13}$ Whiskers from a NaCl Flux. <i>Crystal Growth and Design</i> , 2008, 8, 465-469.	3.0	56
11629	Aligned carbon nanotubes for multifunctional nanocomposites and nanodevices: from plastic optoelectronics to bioceramics. <i>Advances in Applied Ceramics</i> , 2008, 107, 177-189.	1.1	10
11630	Site Identification of Carboxyl Groups on Graphene Edges with Pt Derivatives. <i>ACS Nano</i> , 2008, 2, 1865-1870.	14.6	97
11631	Nanoneedle Method for High-Sensitivity Low-Background Monitoring of Protein Activity. <i>Langmuir</i> , 2008, 24, 10786-10790.	3.5	9
11632	Nature of the Catalyst Particles in CCVD Synthesis of Multiwalled Carbon Nanotubes Revealed by the Cooling Step Study. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7371-7378.	3.1	32
11633	Tandem Action of Early~Late Transition Metal Catalysts for the Surface Coating of Multiwalled Carbon Nanotubes with Linear Low-Density Polyethylene. <i>Chemistry of Materials</i> , 2008, 20, 3092-3098.	6.7	35
11634	Ab Initio Study of Phonon-Induced Dephasing of Electronic Excitations in Narrow Graphene Nanoribbons. <i>Nano Letters</i> , 2008, 8, 2510-2516.	9.1	42
11635	Selective and Controlled Synthesis of Single-Crystalline Yttrium Hydroxide/Oxide Nanosheets and Nanotubes. <i>Journal of Physical Chemistry C</i> , 2008, 112, 17788-17795.	3.1	43
11636	Localized Gaussian Type Orbital~Periodic Boundary Condition~Density Functional Theory Study of Infinite-Length Single-Walled Carbon Nanotubes with Various Tubular Diameters. <i>Journal of Physical Chemistry A</i> , 2008, 112, 1783-1790.	2.5	33
11637	A critical assessment of the elastic properties and effective wall thickness of single-walled carbon nanotubes. <i>Nanotechnology</i> , 2008, 19, 075705.	2.6	111
11638	Critical Carbon Nanotube Length in Fibers. , 2008, , .		6
11639	Synthesis of Silica/Carbon-Encapsulated Core~Shell Spheres:~% Templates for Other Unique Core~Shell Structures and Applications in in Situ Loading of Noble-Metal Nanoparticles. <i>Langmuir</i> , 2008, 24, 5024-5028.	3.5	67
11640	Bundled Silicon Nitride Nanorings. <i>Crystal Growth and Design</i> , 2008, 8, 3921-3923.	3.0	24
11641	Carbon Nanotubes with Enhanced Chemiluminescence Immunoassay for CCD-Based Detection of Staphylococcal Enterotoxin B in Food. <i>Analytical Chemistry</i> , 2008, 80, 8532-8537.	6.5	82
11642	Polarization Driven Covalently-Bonded Octahedral-Twinning and Backbone-Peripheral-Helical Nanoarchitectures. <i>Nano Letters</i> , 2008, 8, 2258-2264.	9.1	14
11643	A New Type of 2H-WS ₂ Particle with Discrete-Formed Plate-Texture Structure. <i>Crystal Growth and Design</i> , 2008, 8, 4420-4423.	3.0	1

#	ARTICLE	IF	CITATIONS
11644	Chemical Modification of Single-Walled Carbon Nanotubes for the Reinforcement of Precursor-Derived Ceramics. <i>Chemistry of Materials</i> , 2008, 20, 5593-5599.	6.7	35
11645	Reductive Functionalization of Single-Walled Carbon Nanotubes with Lithium Metal Catalyzed by Electron Carrier Additives. <i>Chemistry of Materials</i> , 2008, 20, 4433-4438.	6.7	21
11646	Energetics of carbon peapods: Elliptical deformation of nanotubes and aggregation of encapsulated C ₆₀ . <i>Physical Review B</i> , 2008, 77, .	3.2	21
11647	Mechanical behavior of gallium nitride nanotubes under combined tension-torsion: An atomistic simulation. <i>Journal of Applied Physics</i> , 2008, 103, 013505.	2.5	7
11648	Close~Open~Close Evolution of Holes at the Tips of Conical Graphenes of Single-Wall Carbon Nanohorns. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8600-8603.	3.1	16
11649	Label-Free Detection of Sequence-Specific DNA with Multiwalled Carbon Nanotubes and Their Light Scattering Signals. <i>Journal of Physical Chemistry B</i> , 2008, 112, 7120-7122.	2.6	51
11650	Long Carbon Nanotubes Grown on the Surface of Fibers for Hybrid Composites. <i>AIAA Journal</i> , 2008, 46, 1405-1412.	2.6	65
11651	A Novel Approach to Vanadium Oxide Nanotubes by Oxidation of V ⁴⁺ species. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19930-19933.	3.1	30
11652	Molecular Electronic Devices Based on Single-Walled Carbon Nanotube Electrodes. <i>Accounts of Chemical Research</i> , 2008, 41, 1731-1741.	15.6	182
11653	Raman spectra of single-walled carbon nanotubes with vacancies. <i>Physical Review B</i> , 2008, 77, .	3.2	26
11654	Label-Free Electrochemical Detection of Short Sequences Related to the Hepatitis B Virus Using 4,4'-Diaminoazobenzene Based on Multiwalled Carbon Nanotube-Modified GCE. <i>Oligonucleotides</i> , 2008, 18, 321-328.	2.7	20
11655	Growth of CNTs on Fe~Si catalyst prepared on Si and Al coated Si substrates. <i>Nanotechnology</i> , 2008, 19, 095607.	2.6	24
11656	One-dimensional nanostructures: fabrication, characterisation and applications. <i>International Materials Reviews</i> , 2008, 53, 235-255.	19.3	79
11657	Electrochemical sensors based on carbon nanotubes. , 2008, , 459-VIII.		12
11658	Fabrication of High Aspect Ratio Core~Shell CdS~Mn/ZnS Nanowires by a Two Step Solvothermal Process. <i>Journal of Physical Chemistry C</i> , 2008, 112, 4036-4041.	3.1	57
11659	Magnetic Particle-Based Sandwich Sensor with DNA-Modified Carbon Nanotubes as Recognition Elements for Detection of DNA Hybridization. <i>Analytical Chemistry</i> , 2008, 80, 1819-1823.	6.5	48
11660	Nanostructured cobalt phthalocyanine single-walled carbon nanotube platform: electron transport and electrocatalytic activity on epinephrine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2008, 12, 1289-1299.	0.8	19
11661	Selective growth of carbon nanotube for via interconnects by oxidation and selective reduction of catalyst. <i>Applied Physics Letters</i> , 2008, 93, 182106.	3.3	13

#	ARTICLE	IF	CITATIONS
11662	Electronic Structure Tailoring and Selective Adsorption Mechanism of Metal-coated Nanotubes. Nano Letters, 2008, 8, 81-86.	9.1	45
11663	Dispersion and Major Property Enhancements in Polymer/Multiwall Carbon Nanotube Nanocomposites via Solid-State Shear Pulverization Followed by Melt Mixing. Macromolecules, 2008, 41, 5974-5977.	4.8	128
11664	Effect of Polyaniline Functionalized Carbon Nanotubes Addition on the Positive Temperature Coefficient Behavior of Carbon Black/High-Density Polyethylene Nanocomposites. IEEE Nanotechnology Magazine, 2008, 7, 223-228.	2.0	26
11665	From Carbon-Encapsulated Iron Nanorods to Carbon Nanotubes. Journal of Physical Chemistry C, 2008, 112, 5835-5839.	3.1	5
11666	Junction-Controlled Elasticity of Single-Walled Carbon Nanotube Dispersions in Acrylic Copolymer Gels and Solutions. Macromolecules, 2008, 41, 4340-4346.	4.8	16
11667	Effect of Surfactant Structure on the Stability of Carbon Nanotubes in Aqueous Solution. Journal of Physical Chemistry B, 2008, 112, 7227-7233.	2.6	77
11668	Polyol-Mediated Synthesis of PbS Crystals: Shape Evolution and Growth Mechanism. Crystal Growth and Design, 2008, 8, 2384-2392.	3.0	55
11669	Synthesis of [6.8] ³ Cyclacene: Conjugated Belt and Model for an Unusual Type of Carbon Nanotube. Journal of the American Chemical Society, 2008, 130, 6716-6717.	13.7	101
11670	Single Crystalline Semi-Nanotubes of Indium Germanate. Crystal Growth and Design, 2008, 8, 3144-3147.	3.0	24
11671	Effects of mechanical deformation on outer surface reactivity of carbon nanotubes. , 2008, , .		0
11672	On-chip deposition of carbon nanotubes using CMOS microhotplates. Nanotechnology, 2008, 19, 025607.	2.6	47
11673	Alignment of carbon nanotubes and reinforcing effects in nylon-6 polymer composite fibers. Nanotechnology, 2008, 19, 245703.	2.6	57
11674	Electric Current Induced Nanofilm Deposition on Carbon Nanotubes. , 2008, , .		0
11675	Use of Saccharides as Solid-state Precursors for the Synthesis of Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2008, 1081, 1.	0.1	1
11676	Adsorbed Gases in Bundles of Carbon Nanotubes. , 2008, , 187-210.		10
11677	Porous Texture Characterization from Gas-Solid Adsorption. , 2008, , 239-271.		7
11678	Numerical distortion and effects of thermostat in molecular dynamics simulations of single-walled carbon nanotubes. Chinese Physics B, 2008, 17, 4253-4259.	1.4	13
11679	Ab initiodensity functional theory investigation of crystalline bundles of polygonized single-walled silicon carbide nanotubes. Journal of Physics Condensed Matter, 2008, 20, 465214.	1.8	8

#	ARTICLE	IF	CITATIONS
11680	Carbon microelectromechanical systems as a substratum for cell growth. Biomedical Materials (Bristol), 2008, 3, 034116.	3.3	58
11681	Theoretical Study on Structural and Elastic Properties of ZnO Nanotubes. Chinese Physics Letters, 2008, 25, 1030-1033.	3.3	13
11682	AlN nanorod and nanoneedle arrays prepared by chloride assisted chemical vapor deposition for field emission applications. Nanotechnology, 2008, 19, 115609.	2.6	21
11683	The rehybridization of electronic orbitals in carbon nanotubes. Chinese Physics B, 2008, 17, 3123-3129.	1.4	18
11684	First-principles study of Co-doped single-walled silicon nanotubes. Nanotechnology, 2008, 19, 205707.	2.6	12
11685	Electrical discharge machining of carbon nanomaterials in air: machining characteristics and the advanced field emission applications. Journal of Micromechanics and Microengineering, 2008, 18, 025007.	2.6	12
11686	Stabilization of carbon nanotube field emitters. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2008, 222, 95-99.	0.1	2
11687	Nanoscale Testing of One-Dimensional Nanostructures. , 2008, , 280-304.		2
11688	Nanomechanical Characterization of One-Dimensional Nanostructures. , 2008, , 102-117.		0
11689	Effect of thermal treatment on morphology and electrical transport properties of carbon nanotubes film. Journal of Physics: Conference Series, 2008, 100, 012012.	0.4	5
11690	Alternative Estimation of Human Exposure of Single-Walled Carbon Nanotubes Using Three-Dimensional Tissue-Engineered Human Lung. International Journal of Toxicology, 2008, 27, 441-448.	1.2	17
11691	Oscillatory Response of a Capped Double-Walled Carbon Nanotube. International Journal of Nonlinear Sciences and Numerical Simulation, 2008, 9, .	1.0	3
11692	INSIGHT INTO THE STRUCTURE AND FORMATION OF TITANIUM OXIDE NANOTUBES. Functional Materials Letters, 2008, 01, 239-246.	1.2	22
11693	Morphological and structural characterization of metal-doped carbon nanofibers synthesized at room temperature. Journal of Physics: Conference Series, 2008, 100, 012029.	0.4	9
11694	Field Emission Properties of Large Area Carbon Nanotube Cathodes in DC and Pulse Modes. Materials Research Society Symposia Proceedings, 2008, 1081, 1.	0.1	0
11695	Influence of carbon nanotube grafting on chemo-electrical properties of Conductive Polymer nanoComposites. Materials Research Society Symposia Proceedings, 2008, 1143, 20201.	0.1	1
11696	Development and Commercialization of Vapor Grown Carbon Nanofibers: A Review. Key Engineering Materials, 0, 380, 193-206.	0.4	14
11697	Tailoring the Electrochemical Behavior of Multiwalled Carbon Nanotubes Through Argon and Hydrogen Ion Irradiation. Electrochemical and Solid-State Letters, 2008, 11, K35.	2.2	9

#	ARTICLE	IF	CITATIONS
11698	Production of Carbon Nanofibers Using a CVD Method with Lithium Fluoride as a Supported Cobalt Catalyst. Research Letters in Materials Science, 2008, 2008, 1-5.	0.2	14
11699	Magnetorheology of Single-walled Carbon Nanotube Dispersions in Mineral Oil. Journal of Intelligent Material Systems and Structures, 2008, 19, 1143-1152.	2.5	7
11700	Nanoparticles and nanowires: synchrotron spectroscopy studies. International Journal of Nanotechnology, 2008, 5, 1194.	0.2	59
11701	Preparation and characterization of catalyst mix Fe-Co/MgO for carbon nanotubes growth. Polish Journal of Chemical Technology, 2008, 10, 1-3.	0.5	3
11702	Motion of Carbon Nanotubes in suspension under AC electric field. International Journal of Nanomanufacturing, 2008, 2, 50.	0.3	8
11703	Carbon as a MEMS material: micro and nanofabrication of pyrolysed photoresist carbon. International Journal of Manufacturing Technology and Management, 2008, 13, 360.	0.1	19
11704	Bilayer Memory Device Based on a Conjugated Copolymer and a Carbon Nanotube/Polyaniline Composite. Journal of the Electrochemical Society, 2008, 155, H205.	2.9	12
11705	Novel Multifunctional Composites by Functionally Dispersed Carbon Nanotubes Throughout the Matrix of Carbon/Carbon Composites. , 2008, , .		1
11706	Continuous Carbon Nanotube-PDMS Composites. , 2008, , .		1
11707	Study of the Mechanical Properties of Single-Walled Carbon Nanotubes. , 2008, , .		0
11708	Stress Distribution on Open-Ended Carbon Nanotubes. , 2008, , .		1
11709	A Generic Approach to Coat Carbon Nanotubes With Nanoparticles for Potential Energy Applications. Journal of Heat Transfer, 2008, 130, .	2.1	14
11710	Carbon Nanotubes, Synthesis, Growth and Orientation Control in Opposed Flow Diffusion Flames. Journal of Heat Transfer, 2008, 130, .	2.1	5
11711	Wall Thickness and Radial Breathing Modes of Single-Walled Carbon Nanotubes. Journal of Applied Mechanics, Transactions ASME, 2008, 75, .	2.2	84
11712	Synthesis and analysis of aligned multi-walled carbon nanotubes by chemical vapour deposition. International Journal of Nanoparticles, 2008, 1, 283.	0.3	1
11713	Controlled formation of novel supramolecular microbelts or microprisms from aniline and H ₂ PdCl ₄ driven by coordination and π - π interactions. Supramolecular Chemistry, 2008, 20, 765-768.	1.2	1
11714	Experimental study of a novel aligned carbon nanotubes gas sensor. , 2008, , .		0
11715	High Yield Magnetic Nanoparticles Filled Multiwalled Carbon Nanotubes Using Pulsed Laser Deposition. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
11716	Carbon nanotube bumps for LSI interconnect. , 2008, , .		22
11717	An analysis of carbon nanotube structure wettability before and after oxidation treatment. Journal of Physics Condensed Matter, 2008, 20, 474206.	1.8	50
11718	THRESHOLD AND SATURATION VOLTAGES MODELING OF CARBON NANOTUBE FIELD EFFECT TRANSISTORS (CNT-FETs). Nano, 2008, 03, 195-201.	1.0	10
11719	Evaluation of solid sorbents for the determination of di-butylphthalate and di-2-ethylhexylphthalate in drinking water. International Journal of Environmental Analytical Chemistry, 2008, 88, 317-326.	3.3	6
11720	Influence of the shape and size of catalyst on the morphology of carbon sub-microfibers. , 2008, , .		0
11721	The study on field emission properties of different carbon nanotubes deposited by electrophoresis. , 2008, , .		1
11722	Detection technique of biotin-streptavidin binding using semiconducting single walled carbon nanotube based on interdigital capacitors. , 2008, , .		0
11723	Design and Modeling of Electrode Geometry for Intelligent Manufacturing and Assembly of CNT-Based Nano Devices. , 2008, , .		0
11724	A CMOS integrated thermal sensor based on Single-Walled Carbon Nanotubes. , 2008, , .		5
11725	Design and Fabrication of Microheaters for Localized Carbon Nanotube Growth. , 2008, , .		9
11726	Preparative Purification of Single Walled Carbon Nanotubes by High Speed Countercurrent Chromatography. Journal of Liquid Chromatography and Related Technologies, 2008, 32, 399-406.	1.0	3
11727	Study on oxygen and nitrogen adsorption in carbon nanotube. , 2008, , .		1
11728	AN EFFICIENT CRITERION FOR THE FORMATION ENERGIES AND REACTIVITIES OF DEFECTS IN CNTs AND BNNTs. Journal of Theoretical and Computational Chemistry, 2008, 07, 681-695.	1.8	2
11729	ON INSTABILITY OF SINGLE-WALLED CARBON NANOTUBES WITH A VACANCY DEFECT. International Journal of Structural Stability and Dynamics, 2008, 08, 357-366.	2.4	13
11730	ORIENTATING MANIPULATION OF CYLINDRICAL PARTICLES WITH OPTICAL TWEEZERS. Journal of Nonlinear Optical Physics and Materials, 2008, 17, 387-394.	1.8	2
11731	EFFECT OF ALIGNMENT ON THE TEMPERATUREâ€“RESISTANCE RESPONSE OF DIELECTROPHORETICALLY ASSEMBLED MULTIWALLED CARBON NANOTUBE FILMS. International Journal of Nanoscience, 2008, 07, 199-205.	0.7	1
11732	Computer Modeling in Biotechnology. Methods in Molecular Biology, 2008, 474, 181-234.	0.9	26
11733	On the electronic and geometric structures of armchair GeC nanotubes: a hybrid density functional study. Nanotechnology, 2008, 19, 335706.	2.6	35

#	ARTICLE	IF	CITATIONS
11734	Catalyst patterning for carbon nanotube growth on elevating posts by self-aligned double-layer electron beam lithography. Journal of Vacuum Science & Technology B, 2008, 26, 2447-2450.	1.3	4
11735	C N x nanotubes with pyridinelike structures: p-type semiconductors and Li storage materials. Journal of Chemical Physics, 2008, 129, 104703.	3.0	87
11736	THEORETICAL STUDIES ON THE LASER-DRIVEN MANY-ELECTRON DYNAMICS OF FINITE-SIZE BORON-NITRIDE NANOTUBES. Journal of Theoretical and Computational Chemistry, 2008, 07, 579-593.	1.8	3
11737	Mechanical Properties of Single-Walled Carbon Nanotubes - A Finite Element Approach. Advanced Materials Research, 2008, 33-37, 937-942.	0.3	17
11738	HYBRID NANOPATTERNING USING COLLOIDAL LITHOGRAPHY AND NANOIMPRINT FOR THE FABRICATION OF NANOTEMPLATE. International Journal of Nanoscience, 2008, 07, 73-79.	0.7	1
11739	ENERGY OF ARMCHAIR NANOTUBE USING THE MODIFIED CAUCHY-BORN RULE. International Journal of Modern Physics B, 2008, 22, 5881-5886.	2.0	2
11740	THERMAL EXPANSION IN SINGLE-WALLED CARBON NANOTUBES AT DIFFERENT TEMPERATURES. International Journal of Nanoscience, 2008, 07, 305-313.	0.7	9
11741	DYNAMICAL PROPERTIES OF MULTI-WALLED CARBON NANOTUBES BASED ON A NONLOCAL ELASTICITY MODEL. International Journal of Modern Physics B, 2008, 22, 4975-4986.	2.0	9
11742	STRONG CORRELATION EFFECTS IN SINGLE-WALL CARBON NANOTUBES. International Journal of Modern Physics B, 2008, 22, 5235-5260.	2.0	3
11743	EFFECT OF HELICITY ON THE BUCKLING BEHAVIOR OF SINGLE-WALL CARBON NANOTUBES. International Journal of Modern Physics B, 2008, 22, 5872-5877.	2.0	4
11744	Multiwalled carbon nanotube film for strain sensing. Nanotechnology, 2008, 19, 045501.	2.6	95
11745	Nanomechanics of carbon nanotubes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 1591-1611.	3.4	100
11746	Surface Oxides on Carbon Nanotubes (CNTs): Effects on CNT Stability and Sorption Properties in Aquatic Environments. , 0, , 133-158.		1
11747	CERAMIC-BASED NANOCOMPOSITES FOR FUNCTIONAL APPLICATIONS. Nano, 2008, 03, 323-327.	1.0	3
11748	Transverse Pressure Induced Phase Transitions in Boron Nitride Nanotube Bundles and the Lightest Boron Nitride Crystal. Journal of the American Chemical Society, 2008, 130, 5257-5261.	13.7	33
11749	Nanomaterials and Analytical Chemistry. Analytical Letters, 2008, 41, 479-520.	1.8	50
11750	Gas Sensing Properties of ZnO Nanowires. Transactions of the Indian Ceramic Society, 2008, 67, 1-15.	1.0	8
11751	DISPERSION OF SINGLE-WALLED CARBON NANOTUBES IN WATER USING FLUOROPHORE-TAGGED POLYPEPTIDE. International Journal of Nanoscience, 2008, 07, 283-289.	0.7	0

#	ARTICLE	IF	CITATIONS
11752	Flexible organic light-emitting diodes with a polymeric nanocomposite anode. <i>Nanotechnology</i> , 2008, 19, 145201.	2.6	81
11753	Ab initio investigations of the transport properties of Haeckelite nanotubes. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 415207.	1.8	7
11754	Novel and Simple Synthesis Method for Submillimeter Long Vertically Aligned Single-Walled Carbon Nanotubes by No-Flow Alcohol Catalytic Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1982-1984.	1.5	21
11755	Calibration method for a carbon nanotube field-effect transistor biosensor. <i>Nanotechnology</i> , 2008, 19, 045505.	2.6	33
11758	In Situ Observation of Nucleation and Growth of Carbon Nanotubes from Iron Carbide Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1142, 20201.	0.1	0
11760	Polyaniline-carbon nanotube composites. <i>Pure and Applied Chemistry</i> , 2008, 80, 2377-2395.	1.9	127
11761	Mechanisms of Nanoindentation on Multiwalled Carbon Nanotube and Nanotube Cluster. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-12.	2.7	14
11762	Nanohandling automation: Trends and current developments. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2008, 222, 1353-1369.	2.1	15
11763	Nanosphere monolayer-templated, ion-assisted nanofeature etching in dielectric materials: a numerical simulation of nanoscale ion flux topography. <i>Nanotechnology</i> , 2008, 19, 155304.	2.6	16
11764	Mechanical properties of microwave hydrothermally synthesized titanate nanowires. <i>Nanotechnology</i> , 2008, 19, 025710.	2.6	19
11765	Modified Glassy Carbon Electrode with Multiwall Carbon Nanotubes as a Voltammetric Sensor for Determination of Leucine in Biological and Pharmaceutical Samples. <i>Analytical Letters</i> , 2008, 41, 2267-2286.	1.8	29
11766	A first principles study on organic molecule encapsulated boron nitride nanotubes. <i>Journal of Chemical Physics</i> , 2008, 128, 164701.	3.0	26
11767	Visualization and investigation of Si-C covalent bonding of single carbon nanotube grown on silicon substrate. <i>Applied Physics Letters</i> , 2008, 93, 103111.	3.3	14
11768	A periodic density functional theory study on the effects of halides encapsulated in SiC nanotubes. <i>Journal of Chemical Physics</i> , 2008, 129, 174108.	3.0	12
11769	Review of Recent Research on Nanoparticle Production in Thailand. <i>Advanced Powder Technology</i> , 2008, 19, 443-457.	4.1	8
11770	Quantum electron transport in toroidal carbon nanotubes with metallic leads. <i>Molecular Simulation</i> , 2008, 34, 9-16.	2.0	5
11771	Aligned single-walled carbon nanotubes by Langmuir-Blodgett technique. <i>Journal of Applied Physics</i> , 2008, 104, .	2.5	28
11772	Toxicogenomics to Improve Comprehension of the Mechanisms Underlying Responses of In Vitro and In Vivo Systems to Nanomaterials: A Review. <i>Current Genomics</i> , 2008, 9, 571-585.	1.6	67

#	ARTICLE	IF	CITATIONS
11773	Thermomechanical Stresses in Fullerenes at Nanotube. Journal of Nanomaterials, 2008, 2008, 1-5.	2.7	1
11774	Multiwall carbon nanotube resonator for ultra-sensitive mass detection. Electronics Letters, 2008, 44, 1060.	1.0	25
11775	Magnetic Properties of Ni ₄ Co ₄ Coated Carbon Nanofibers. Journal of Dispersion Science and Technology, 2008, 29, 475-477.	2.4	2
11776	Molecular simulations of in-plane stiffness and shear modulus of double-walled carbon nanotubes. Molecular Simulation, 2008, 34, 1283-1287.	2.0	1
11777	Selective growth of vertically aligned double- and single-walled carbon nanotubes on a substrate at 590 \pm 10 $^{\circ}$ C. Nanotechnology, 2008, 19, 435601.	2.6	32
11778	The impact of nanotechnology on polyesters, polyamides and other textiles. , 2008, , 354-415.		4
11779	The Ultimate Ballistic Drift Velocity in Carbon Nanotubes. Journal of Nanomaterials, 2008, 2008, 1-8.	2.7	32
11780	Using carbon nanotubes to enhance creep performance of lead free solder. Materials Science and Technology, 2008, 24, 443-448.	1.6	30
11781	Mechanical and Thermal Properties of Polymethyl Methacrylate-BN Nanotube Composites. Journal of Nanomaterials, 2008, 2008, 1-5.	2.7	68
11782	Morphology and Properties of Aminosilane Grafted MWCNT/Polyimide Nanocomposites. Journal of Nanomaterials, 2008, 2008, 1-15.	2.7	28
11783	A facile solution-phase approach to the synthesis of luminescent europium methacrylate nanowires and their thermal conversion into europium oxide nanotubes. Nanotechnology, 2008, 19, 065607.	2.6	16
11784	Surface characterization of carbon nanotubes irradiated by electron beam. Review of Scientific Instruments, 2008, 79, 02C510.	1.3	1
11785	Transport of Carbon Nanotubes Coupled to Ferromagnetic Electrodes. IEEE Transactions on Magnetism, 2008, 44, 2655-2657.	2.1	0
11786	Chemical Surface Treatment for Highly Improved Dispersibility of Multi-Walled Carbon Nanotubes in Water. Journal of Dispersion Science and Technology, 2008, 29, 426-430.	2.4	17
11787	Sliding on carbon nanotube arrays. Philosophical Magazine Letters, 2008, 88, 909-916.	1.2	0
11788	Preparation of MWCNT reinforced epoxy nanocomposite and examination of its mechanical properties. Plastics, Rubber and Composites, 2008, 37, 214-218.	2.0	8
11789	Hosoya polynomial of zigzag polyhex nanotorus. Journal of the Serbian Chemical Society, 2008, 73, 311-319.	0.8	13
11790	Conformational Mobility of GOx Coenzyme Complex on Single-Wall Carbon Nanotubes. Sensors, 2008, 8, 8453-8462.	3.8	16

#	ARTICLE	IF	CITATIONS
11791	Surface Polymerization of the Thiophen Molecules in Chemically Adsorbed Monolayer. Materials Research Society Symposia Proceedings, 2008, 1091, 1.	0.1	0
11792	Synthesis and Characterization of Bamboo-Like Carbon Nanotubes. Advanced Materials Research, 0, 47-50, 355-358.	0.3	1
11793	Effect of Heat Treatment on the Microstructure of TiO ₂ Nanofibers Prepared by Refluxing in Basic Solution. Key Engineering Materials, 2008, 368-372, 800-802.	0.4	1
11794	Dispersion of Carbon Nanotubes in Polysilazanes for the Preparation of Reinforced Si-C-N Composites. Key Engineering Materials, 0, 403, 231-234.	0.4	1
11795	Comparison of Growth Properties of Carbon Nanofibers Grown on Electroplated and Sputtered Ni Catalysts. Electrochemical and Solid-State Letters, 2008, 11, K53.	2.2	0
11796	Automatic nanohandling station inside a scanning electron microscope. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2008, 222, 117-128.	2.4	9
11797	Ceramic and Glass Matrix Composites Containing Carbon Nanotubes. Materials Science Forum, 0, 606, 61-77.	0.3	3
11798	Influence of Multiwalled Carbon Nanotube on Rheological Behavior of Mesophase Pitches. Solid State Phenomena, 0, 135, 47-52.	0.3	2
11799	Ferromagnetic Carbon Nanostructures. Mathematics in Industry, 2008, , 467-476.	0.3	3
11800	A lattice dynamical treatment for the total potential energy of single-walled carbon nanotubes and its applications: relaxed equilibrium structure, elastic properties, and vibrational modes of ultra-narrow tubes. Journal of Physics Condensed Matter, 2008, 20, 045228.	1.8	15
11801	Synthesis of vertically aligned carbon nanotubes, magnetic nanotubes, and magnetic CNTs for cellular growth and detection. , 2008, , .		1
11802	<i>Ab initio</i> calculation of the growth of Te nanorods and Bi ₂ Te ₃ nanoplatelets. Chinese Physics B, 2008, 17, 286-289.	1.4	5
11804	Novel-structured carbon nanotubes creation by nanoscopic plasma control. Plasma Sources Science and Technology, 2008, 17, 024009.	3.1	10
11805	N -type carbon nanotube by alkaline-earth metal Sr doping. Journal of Applied Physics, 2008, 103, .	2.5	16
11806	Current transport modeling in carbon nanotube field effect transistors (CNT-FETs) and bio-sensing applications. Proceedings of SPIE, 2008, , .	0.8	1
11807	Introduction. Carbon-based electronics: fundamentals and device applications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 189-193.	3.4	25
11808	Effect of the powering frequency on the synthesis of carbon nanostructures by AC arc discharge at atmospheric pressure. Materials Research Society Symposia Proceedings, 2008, 1142, 51601.	0.1	1
11809	Heterocoagulation System Assisted Adsorption of Carbon Nanotubes on Alumina for Toughening Ceramics. Journal of Reinforced Plastics and Composites, 2008, 27, 245-253.	3.1	10

#	ARTICLE	IF	CITATIONS
11810	Growth of In^{2+} -Ga ₂ O ₃ nanorods by ammoniating Ga ₂ O ₃ /V thin films on Si substrate. Chinese Physics B, 2008, 17, 1326-1330.	1.4	3
11811	A peculiar composite structure of carbon nanofibers growing on a micro-sized tin whisker. Journal of Materials Research, 2008, 23, 2668-2673.	2.6	9
11812	CNT Based Sensors. Advances in Science and Technology, 0, , .	0.2	9
11813	Multiwalled carbon nanotubes enhance electrochemical properties of titanium to determine <i>in situ</i> bone formation. Nanotechnology, 2008, 19, 295101.	2.6	64
11814	4D Electron Diffraction Reveals Correlated Unidirectional Behavior in Zinc Oxide Nanowires. Science, 2008, 321, 1660-1664.	12.6	72
11815	Dispersive Evaluation and Self-Sensing of Single Carbon Fiber/CNT-Epoxy Composites using Electro-Micromechanical Techniques. Materials Research Society Symposia Proceedings, 2008, 1075, 1.	0.1	0
11816	Group velocity of wave propagation in carbon nanotubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2008, 464, 1423-1438.	2.1	39
11817	Stability and electronic properties of native defects and substitutional impurities in GaN nanotubes. Journal of Applied Physics, 2008, 104, 033712.	2.5	23
11818	Tailoring Piezoresistive Sensitivity of Multilayer Carbon Nanotube Composite Strain Sensors. Journal of Intelligent Material Systems and Structures, 2008, 19, 747-764.	2.5	155
11819	Efficiency Enhancement of Field-Emission Organic Light Emitting Diodes Using a Dynode Structure. Electrochemical and Solid-State Letters, 2008, 11, J1.	2.2	6
11820	Imaging of Transient Structures Using Nanosecond in Situ TEM. Science, 2008, 321, 1472-1475.	12.6	281
11821	STUDY ON CLUSTER FORMATION OF POLY 2-HYDROXYETHYL METHACRYLATE FUNCTIONALIZED SINGLE-WALLED CARBON NANOTUBES. Surface Review and Letters, 2008, 15, 689-697.	1.1	6
11822	Self-Organized High Aspect Ratios Titanium Oxide Nanotube Arrays Prepared by Anodization. Key Engineering Materials, 2008, 368-372, 529-531.	0.4	0
11823	Compliance properties study of carbon nanofibres (CNFs) array as thermal interface material. Journal Physics D: Applied Physics, 2008, 41, 155105.	2.8	6
11824	Filament discharge enhances field emission properties by making twisted carbon nanofibres stand up. Journal Physics D: Applied Physics, 2008, 41, 205418.	2.8	13
11825	Synthesis of well-aligned bamboo-like carbon nanotube arrays from ethanol and acetone. Journal Physics D: Applied Physics, 2008, 41, 095409.	2.8	15
11826	Water permeation across nanochannels with defects. Nanotechnology, 2008, 19, 105711.	2.6	12
11827	Carbon nanopipettes characterize calcium release pathways in breast cancer cells. Nanotechnology, 2008, 19, 325102.	2.6	35

#	ARTICLE	IF	CITATIONS
11828	Field emission from a selected multiwall carbon nanotube. Nanotechnology, 2008, 19, 395701.	2.6	66
11829	A self-aligned single carbon nanotube field emission source fabricated by UV lithography. Nanotechnology, 2008, 19, 445304.	2.6	3
11830	Finite-size effect on the Raman-active modes of double-walled carbon nanotubes. Journal of Physics Condensed Matter, 2008, 20, 015204.	1.8	5
11831	Anderson localization regime in carbon nanotubes: size dependent properties. Journal of Physics Condensed Matter, 2008, 20, 304211.	1.8	25
11832	Analytical approach to phonons and electron-phonon interactions in single-walled zigzag carbon nanotubes. Journal of Physics Condensed Matter, 2008, 20, 325222.	1.8	2
11833	Synthesis of hollow silver nanostructures by a simple strategy. Nanotechnology, 2008, 19, 045607.	2.6	18
11834	Electronic properties of nanotube-ribbon hybrid systems. Nanotechnology, 2008, 19, 105703.	2.6	13
11835	Adhesion, friction and wear on the nanoscale of MWNT tips and SWNT and MWNT arrays. Nanotechnology, 2008, 19, 125702.	2.6	28
11836	Catalyst design for carbon nanotube growth using atomistic modeling. Nanotechnology, 2008, 19, 405704.	2.6	6
11837	Covered conduction of individual C ₆₀ nanowhiskers. Nanotechnology, 2008, 19, 075712.	2.6	25
11838	Disordered Structured Diffuse Scattering and Local Crystal Chemistry. Advances in Imaging and Electron Physics, 2008, , 303-337.	0.2	9
11839	Nanomaterial Based Electrochemical DNA Biosensors and Bioassays. Journal of Biomedical Nanotechnology, 2008, 4, 419-431.	1.1	27
11840	Self-assembly and properties of low-dimensional nanomaterials based on π -conjugated organic molecules. Pure and Applied Chemistry, 2008, 80, 639-658.	1.9	15
11841	Hydrogen Interaction with Single-Walled Carbon Nanotubes. Applied Physics Express, 2008, 1, 094001.	2.4	1
11842	Scanning atom probe study of graphite nanofibers. Journal of Vacuum Science & Technology B, 2008, 26, 735-737.	1.3	5
11843	Field emission properties of ZnO nanorods coated with NiO film. Journal of Vacuum Science & Technology B, 2008, 26, 1021-1024.	1.3	14
11844	Effects of size constraint on water filling process in nanotube. Journal of Chemical Physics, 2008, 128, 134703.	3.0	19
11845	Preparation and Characterization of Iodine-doped Multi-wall Carbon Nanotubes. AIP Conference Proceedings, 2008, , .	0.4	0

#	ARTICLE	IF	CITATIONS
11846	Highly ordered arrays of macroscopically long Pb nanobelts with atomic-level controlled thickness and width on Si. Applied Physics Letters, 2008, 93, 023115.	3.3	6
11847	A one-step technique to prepare aligned arrays of carbon nanotubes. Nanotechnology, 2008, 19, 155602.	2.6	46
11848	Static Friction Force of Carbon Nanotube Surfaces. Applied Physics Express, 0, 1, 064001.	2.4	50
11849	The BN-pair impurity in carbon nanotubes and the possibility for disorder-induced frustration of gap formation. Nanotechnology, 2008, 19, 445709.	2.6	6
11850	Bending Deformation of Single-Walled Carbon Nanotubes Caused by 5-7 Pair Couple Defect. Japanese Journal of Applied Physics, 2008, 47, 6601-6605.	1.5	7
11851	Influence of oxygen on the growth of carbon nanotubes. Journal Physics D: Applied Physics, 2008, 41, 205306.	2.8	12
11852	Optical Limiting Properties of Two Soluble Polymer/Multi-Walled Carbon Nanotube Composites. Chinese Physics Letters, 2008, 25, 536-539.	3.3	6
11853	Large-scale assembly of carbon nanotube-based flexible circuits for DNA sensors. Nanotechnology, 2008, 19, 135305.	2.6	15
11854	Improved field emission characteristics of individual carbon nanotube coated with boron nitride nanofilm. Journal of Vacuum Science & Technology B, 2008, 26, 872-875.	1.3	17
11855	Molecular-Dynamic Investigation of Buckling of Double-Walled Carbon Nanotubes under Uniaxial Compression. Journal of the Physical Society of Japan, 2008, 77, 044603.	1.6	6
11856	The coordinated buckling of carbon nanotube turfs under uniform compression. Nanotechnology, 2008, 19, 175704.	2.6	97
11857	A New Method for Nano Tube Imogolite Synthesis. Japanese Journal of Applied Physics, 2008, 47, 5079-5082.	1.5	17
11858	Toward a lateral carbon nanotube based field emission triode. Journal of Vacuum Science & Technology B, 2008, 26, 838-841.	1.3	3
11859	Electronic Properties of Nitrogen-Doped Carbon Nanotubes with Strain:Ab initioMethod Approach. Japanese Journal of Applied Physics, 2008, 47, 5062-5065.	1.5	4
11860	Characterization of Mechanical Properties of Suspended Carbon Nanotubes in Liquid. Japanese Journal of Applied Physics, 2008, 47, 6134.	1.5	2
11861	UNUSUAL ELECTROCHEMICAL RESPONSE OF ELECTROCHEMICAL ETCHING ON MULTIWALLED CARBON NANOTUBES. Nano, 2008, 03, 461-467.	1.0	4
11862	Fabrication of Carbon Nanotubes by Slot-Excited Microwave Plasma-Enhanced Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2008, 47, 5652.	1.5	1
11863	Metal-Fixed Multiwalled Carbon Nanotube Patterned Emitters Using Photolithography and Electrodeposition Technique. Electrochemical and Solid-State Letters, 2008, 11, D72.	2.2	12

#	ARTICLE	IF	CITATIONS
11864	Linear optical and quadratic electro-optic response of carbon nanotubes: universal analytic expressions for arbitrary chirality. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 275211.	1.8	6
11865	Growth of carbon nanofibers on carbon fabric with Ni nanocatalyst prepared using pulse electrodeposition. <i>Nanotechnology</i> , 2008, 19, 295602.	2.6	19
11866	Thick-Film Structure Geometry Effect on Carbon Nanotubes Synthesized by Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 4788-4791.	1.5	0
11867	Modification of Carbon Nanotube Templates Using Femtosecond Laser Pulses. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 6998-7001.	1.5	1
11868	Coupling of <i>ab initio</i> density functional theory and molecular dynamics for the multiscale modeling of carbon nanotubes. <i>Nanotechnology</i> , 2008, 19, 055702.	2.6	8
11869	Diameter Control of Graphite Nanofiber Emitter for Field Emission Display Using Granulated Catalyst Thin Film. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 8534-8536.	1.5	1
11870	Surface Modification through Chemically Adsorbed Monolayer of Thiophene Molecules. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 6142.	1.5	1
11871	The interaction of nitrogen molecules with (4, 0) single-walled carbon nanotube: electronic and structural effects. <i>Nanotechnology</i> , 2008, 19, 185704.	2.6	7
11872	Effect of Base Layers beneath Ni Catalyst on the Growth of Carbon Nanofibers Using Plasma Enhanced Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 2306-2312.	1.5	4
11873	Self-Assembled Polysaccharide Nanotubes Generated from β -1,3-Glucan Polysaccharides. , 2008, , 65-121.		5
11874	A comprehensive study on the mechanical properties of super carbon nanotubes. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 155423.	2.8	18
11875	Enhanced mechanical and electrical properties of antimony-doped tin oxide coatings. <i>Semiconductor Science and Technology</i> , 2008, 23, 035013.	2.0	10
11876	Ordered fullerene nanocylinders in large-diameter carbon nanotubes. <i>Nanotechnology</i> , 2008, 19, 045702.	2.6	9
11877	Geometry dependence of the electrostatic and thermal response of a carbon nanotube during field emission. <i>Nanotechnology</i> , 2008, 19, 075702.	2.6	8
11878	The key role of hydrogen in the growth of SiC/SiO ₂ nanocables. <i>Nanotechnology</i> , 2008, 19, 305602.	2.6	13
11879	On the solution self-assembly of nanocolloidal brushes: insights from simulations. <i>Nanotechnology</i> , 2008, 19, 445606.	2.6	14
11880	CMOS considerations in nanoelectromechanical carbon nanotube-based switches. <i>Nanotechnology</i> , 2008, 19, 285204.	2.6	25
11881	Simple, low-cost technique for photolithographic self-aligned top metal contacts to nanowires and nanotubes. <i>Nanotechnology</i> , 2008, 19, 455305.	2.6	1

#	ARTICLE	IF	CITATIONS
11882	Thermal effect on DWCNTs as rotational bearings. Nanotechnology, 2008, 19, 495708.	2.6	14
11883	Fabrication of Field Emitters with Carbon Nanotubes Using Triboelectricity. Japanese Journal of Applied Physics, 2008, 47, 2339-2341.	1.5	8
11884	Low-Energy Electron Emission from an Electron Enversion Layer of a Si/SiO ₂ /Si Cathode for Nano-Decomposition. Japanese Journal of Applied Physics, 2008, 47, 5106-5108.	1.5	1
11885	Synthesis of carbon nanotubes by laser ablation in graphite substrate of industrial arc electrodes. Physica Scripta, 2008, T131, 014007.	2.5	2
11886	Capillarity-induced disassembly of virions in carbon nanotubes. Nanotechnology, 2008, 19, 165702.	2.6	6
11887	Silicon Nanowires and Silica Nanotubes Seeded by Copper Nanoparticles in an Organic Solvent. Chemistry of Materials, 2008, 20, 2306-2313.	6.7	49
11888	Conductivity of screen-printed carbon nanotube composite film and its sensitivity to organic gas. , 2008, , .		0
11889	CMOS Compatibility of Carbon Nanotubes?. , 2008, , .		0
11890	Enhanced mechanical properties of wires fabricated by PVA and water-soluble multiwall carbon nanotubes. , 2008, , .		0
11891	In-situ Robust Nanorobotic Resistance Spot Welding of InGaAs/GaAs Helical Nanobelts without Pretreatment. , 2008, , .		0
11892	Design and generation of DEP force for assembly of CNT-based nano devices. , 2008, , .		4
11893	Electrically Conductive Carbon Nanotube Adhesives on Lead Free Printed Circuit Board Surface Finishes. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	2
11894	Anodic-Cathodic Electrochemical Oxidation System for O-Nitrophenol Degradation in Aqueous Solutions. , 2008, , .		0
11895	Stripping Voltammetric Determination of Pb(II) and Cd(II) Based on the Multiwalled Carbon Nanotubes-Nafion-Bismuth Modified Glassy Carbon Electrodes. Analytical Letters, 2008, 41, 1267-1278.	1.8	53
11896	Synthesis of carbon nanofibers by ethanol catalytic combustion. , 2008, , .		0
11897	Macroscopic Networks of Carbon Nanotubes in PMMA Matrix Induced by AC Electric Field. Journal of Dispersion Science and Technology, 2008, 29, 502-507.	2.4	12
11898	High-pressure Raman response of single-walled carbon nanotubes: Effect of the excitation laser energy. Physical Review B, 2008, 78, .	3.2	17
11899	Synthesis of CNT-SnO ₂ and CNT-In ₂ O ₃ films for micro sensor application using vacuum microelectronics technology. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
11900	Bridge structure for the graphene/Ni(111) system: A first principles study. Physical Review B, 2008, 77, .	3.2	158
11901	Effects of deformation on the electronic structure of a single-walled carbon nanotube bundle. Physical Review B, 2008, 77, .	3.2	17
11902	First-principles calculation of electronic polarization of III-V nanotubes. Physical Review B, 2008, 78, .	3.2	5
11903	Purification of SWNTs using high-speed centrifugation. , 2008, , .		3
11904	CVD synthesis and hydrogen storage properties of multi-walled carbon nanotubes. , 2008, , .		2
11905	Direct synthesis of ultralong carbon nanotube bundles by spray pyrolysis and investigation of growth mechanism. Nanotechnology, 2008, 19, 085606.	2.6	20
11906	Enrichment and removal of heavy metals contained in PCB boards by multiwalled carbon nanotubes for WEEE directive. , 2008, , .		1
11907	Water permeation and wavelike density distributions inside narrow nanochannels. Physical Review B, 2008, 77, .	3.2	34
11908	One-step grown aligned bulk carbon nanotubes by chloride mediated chemical vapor deposition. Applied Physics Letters, 2008, 92, .	3.3	137
11909	Device study, chemical doping, and logic circuits based on transferred aligned single-walled carbon nanotubes. Applied Physics Letters, 2008, 93, .	3.3	54
11910	Dynamical mode transitions of simply supported double-walled carbon nanotubes based on an elastic shell model. Journal of Applied Physics, 2008, 103, 113523.	2.5	25
11911	Bent graphite surfaces as guides for cluster diffusion and anisotropic growth. Physical Review B, 2008, 77, .	3.2	15
11912	Synthesis of self-assembled silicon nanowires with uniform small diameter. , 2008, , .		0
11913	Prediction of Material Properties of Single Walled Carbon Nanotube using MD Simulations. , 2008, , .		3
11914	Field emission properties of carbon nanotube pillar arrays. Journal of Applied Physics, 2008, 103, 064312.	2.5	45
11915	Nature and strength of bonding in a crystal of semiconducting nanotubes: van der Waals density functional calculations and analytical results. Physical Review B, 2008, 77, .	3.2	53
11916	Exciton fine structure in a single carbon nanotube revealed through spectral diffusion. Physical Review B, 2008, 77, .	3.2	28
11917	Molecular dynamics simulations of the torsional instability of carbon nanotubes filled with hydrogen or silicon atoms. Applied Physics Letters, 2008, 92, 043120.	3.3	29

#	ARTICLE	IF	CITATIONS
11918	Examining the effects of wall numbers on buckling behavior and mechanical properties of multiwalled carbon nanotubes via molecular dynamics simulations. Journal of Applied Physics, 2008, 103, .	2.5	23
11919	Effect of small size on wave propagation in double-walled carbon nanotubes under temperature field. Journal of Applied Physics, 2008, 104, .	2.5	86
11920	Controlled Growth of Carbon, Boron Nitride, and Zinc Oxide Nanotubes. IEEE Sensors Journal, 2008, 8, 922-929.	4.7	7
11921	Bragg scattering of x-rays in multiwalled carbon nanotubes. Journal of Applied Physics, 2008, 104, 083103.	2.5	0
11922	Self-assembly of multiwalled carbon nanotubes from quench-condensed C _{Ni3} films. Journal of Applied Physics, 2008, 103, 053503.	2.5	4
11923	Voltage-current characteristics of an anodic arc producing carbon nanotubes. Journal of Applied Physics, 2008, 104, .	2.5	26
11924	Feasibility study for sidewall fluorination of SWCNTs in CF ₄ plasma. Journal of Applied Physics, 2008, 104, .	2.5	9
11925	Carbon nanotubes synthesized by simple thermal chemical vapor deposition and their electrical properties. , 2008, , .		0
11926	Polyisoprene single-wall carbon nanotube composites synthesized under high pressure. High Pressure Research, 2008, 28, 587-590.	1.2	4
11927	Tunable effective permittivity of carbon nanotube composites. Applied Physics Letters, 2008, 93, .	3.3	32
11928	Tuning the coercivity of Fe-filled carbon-nanotube arrays by changing the shape anisotropy of the encapsulated Fe nanoparticles. Journal of Applied Physics, 2008, 104, 034307.	2.5	26
11929	Enhanced thermal stability of carbon nanotubes by plasma surface modification in Al ₂ O ₃ composites. Journal of Applied Physics, 2008, 104, 074302.	2.5	10
11930	Growth and characterization of carbon nanotubes on constantan (Cu–Ni–Mn alloy) metallic substrates without adding additional catalysts. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 832-835.	2.1	12
11931	Numerical simulation of ballistic Carbon Nanotube Field-Effect Transistors. , 2008, , .		1
11932	Thermoelectric power in carbon nanotubes and quantum wires of nonlinear optical, optoelectronic, and related materials under strong magnetic field: Simplified theory and relative comparison. Journal of Applied Physics, 2008, 103, .	2.5	18
11933	Synthesized and tribological researching of NbSe ₂ fibers. , 2008, , .		1
11934	Mössbauer spectroscopy studies of carbon-encapsulated magnetic nanoparticles obtained by different routes. Journal of Applied Physics, 2008, 104, .	2.5	10
11935	Flip-Cathode Design for Carbon Nanotube-Based Vacuum Triodes. IEEE Electron Device Letters, 2008, 29, 111-113.	3.9	8

#	ARTICLE	IF	CITATIONS
11936	Response modeling and sensitivity of the carbon nanotubes/graphite/epoxy composite sensor. , 2008, , .		0
11937	Carbon Nanotubes (CNTs) as conductive filler for polymer composite. , 2008, , .		1
11938	Field Emission Properties of Carbon Nanotube Thin Films Grown on Different Substrate Materials. , 2008, , .		1
11939	Oxygen etching mechanism in carbon-nitrogen (CNx) domelike nanostructures. Journal of Applied Physics, 2008, 103, 124907.	2.5	5
11940	Elastic properties and pressure-induced structural transitions of single-walled carbon nanotubes. Physical Review B, 2008, 77, .	3.2	55
11941	Optical characterization of single walled carbon nanotubes dispersed in sodium cholate and sodium dodecyl sulfate. , 2008, , .		2
11942	Time dependence of the electronic structure of an electron-beam-irradiated C60 film. Journal of Applied Physics, 2008, 104, 103706.	2.5	15
11943	Nanostructure Design. Methods in Molecular Biology, 2008, 474, v-vii.	0.9	6
11944	Tribological behavior of polymer nanocomposites produced by dispersion of nanofillers in molten thermoplastics. Tribology and Interface Engineering Series, 2008, , 82-107.	0.0	6
11945	Growth mechanism for spherical carbon particles in a dc methane plasma. Physics of Plasmas, 2008, 15, 050702.	1.9	14
11946	Molecular mechanics modeling for properties of carbon nanotubes. Journal of Applied Physics, 2008, 103, .	2.5	24
11947	A novel method of growing aligned carbon nanotubes at low temperature by using integrated micro-heater. , 2008, , .		0
11948	Application of Eshelby's Tensor and Rotation Matrix for the Evaluation of Thermal Transport Properties of Composites. Mechanics of Advanced Materials and Structures, 2008, 15, 117-129.	2.6	6
11949	Determination of helicities in unidirectional assemblies of graphitic or graphiticlike tubular structures. Applied Physics Letters, 2008, 93, 141903.	3.3	11
11950	Dynamics of capillary absorption of droplets by carbon nanotubes. Physical Review E, 2008, 78, 046309.	2.1	36
11951	Electronic transport in carbon nanotubes: Diffusive and localized regimes. Physical Review B, 2008, 78, .	3.2	14
11952	Transport properties of single vacancies in nanotubes. Physical Review B, 2008, 77, .	3.2	35
11953	Study of characteristic fragmentation of nanocarbon by the scanning atom probe. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 1074-1078.	2.1	9

#	ARTICLE	IF	CITATIONS
11954	Lead-molecule coupling effects on the distortion-dependent conductance of carbon nanotubes. Physical Review B, 2008, 77, .	3.2	3
11955	Comparison of sensitivities of carbon nanotube field-effect transistor biosensors with and without top metal gate. Journal of Applied Physics, 2008, 104, 104304.	2.5	9
11956	Quasigraphite: Density functional theory based predictions of a structure and its properties. Physical Review B, 2008, 78, .	3.2	3
11957	Density functional study of single-wall and double-wall platinum nanotubes. Physical Review B, 2008, 78, .	3.2	18
11958	Exciton dephasing and multiexciton recombinations in a single carbon nanotube. Physical Review B, 2008, 77, .	3.2	78
11959	Computational study of the thermal behavior of iron clusters on a porous substrate. Physical Review B, 2008, 77, .	3.2	10
11960	Cylindrical two-dimensional electron gas in a transverse magnetic field. Physical Review B, 2008, 78, .	3.2	48
11961	Adhesion and friction of a multiwalled carbon nanotube sliding against single-walled carbon nanotube. Physical Review B, 2008, 77, .	3.2	67
11962	$\text{He} \text{ Adsorbed on the Outer Surface of Carbon Nanotube Bundles. Physical Review Letters, 2008, 101, 046102.}$	7.8	17
11963	Liquid surface model for carbon nanotube energetics. Physical Review E, 2008, 78, 051601.	2.1	20
11964	On the Impossibility of Separating Nanotubes in a Bundle by Longitudinal Tension. Journal of Adhesion, 2008, 84, 439-444.	3.0	3
11965	Electronic properties of boron nitride nanocones under the influence of parallel and perpendicular external electric fields. Physical Review B, 2008, 78, .	3.2	10
11966	Nonequilibrium energy gaps in carbon nanotubes: Role of phonon symmetries. Physical Review B, 2008, 78, .	3.2	36
11967	Self-consistent calculations of strain-induced band gap changes in semiconducting carbon nanotubes. Physical Review B, 2008, 78, .	3.2	32
11968	Functionalization of silicon nanowires with transition metal atoms. Physical Review B, 2008, 78, .	3.2	26
11969	Transport properties of double-walled carbon nanotube quantum dots. Physical Review B, 2008, 77, .	3.2	4
11970	Entanglement and the Nonlinear Elastic Behavior of Forests of Coiled Carbon Nanotubes. Physical Review Letters, 2008, 100, 086807.	7.8	42
11971	Preparation, characterization and photocatalytic properties of CdS nanoparticles dotted on the surface of carbon nanotubes. Nanotechnology, 2008, 19, 115709.	2.6	90

#	ARTICLE	IF	CITATIONS
11972	Performance comparison of zero-Schottky-barrier single and double walled carbon nanotube transistors. , 2008, , .		1
11973	Electrically Tunable Spin Polarization in a Carbon Nanotube Spin Diode. Physical Review Letters, 2008, 100, 156601.	7.8	65
11974	MATHEMATICAL MODELLING OF NANOSTRUCTURES. Bulletin of the Australian Mathematical Society, 2008, 78, 351-352.	0.5	0
11975	Growth of vertically oriented films of carbon nanotubes by activated catalytic chemical vapor deposition on Feâ€Co/TiN/Si(100) substrates. Journal of Materials Research, 2008, 23, 619-631.	2.6	9
11976	Mathematical modelling of nano-scaled structures, devices and materials. Bulletin of the Australian Mathematical Society, 2008, 77, 347-348.	0.5	0
11977	Carbon nanotube surface science. International Journal of Nanotechnology, 2008, 5, 900.	0.2	21
11978	62.2: AMLCD with Carbonâ€Nanotube Pixel Electrodes. Digest of Technical Papers SID International Symposium, 2008, 39, 947-950.	0.3	3
11979	P-150: Catalyst-Free Carbon Nanotubes Synthesized on Graphite Flakes by Thermal Chemical Vapor Deposition. Digest of Technical Papers SID International Symposium, 2008, 39, 1766.	0.3	0
11980	Pâ€155: Enhanced Electron Emission with Robust CNTs Grown by Resistâ€Assisted Patterning Process. Digest of Technical Papers SID International Symposium, 2008, 39, 1784-1787.	0.3	0
11981	Preparation of catalytic nano-particles and growth of aligned CNTs with HF-CVD. Journal of Physics: Conference Series, 2008, 100, 052092.	0.4	1
11982	Pâ€175: Carbon Nanotube Doped Liquid Crystal OCB Cells: Dielectric and Electroâ€Optical Properties. Digest of Technical Papers SID International Symposium, 2008, 39, 1853-1856.	0.3	1
11983	Effective reinforcement in carbon nanotubeâ€polymer composites. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2008, 366, 1613-1626.	3.4	88
11984	Preparation of MWCNT/Nylon 6 Composites by in situ Polymerization and Its Characterization. Kobunshi Ronbunshu, 2008, 65, 679-687.	0.2	3
11985	Electrical Conductivity of Microwave Heated Polyaniline Nanotubes and Possible Mechanism of Microwave Absorption by Materials. Journal of Microwave Power and Electromagnetic Energy, 2008, 43, 34-43.	0.8	4
11986	Synthesis of aligned carbon nanotubes by microwave chemical vapour deposition and investigation of their covalent bonding with antibodies for bioapplications. International Journal of Nanoparticles, 2008, 1, 119.	0.3	1
11987	Theoretical investigations on the tip-functionalised carbon nanotubes interacting with water. International Journal of Nanoparticles, 2008, 1, 136.	0.3	2
11988	Torsional structural properties of single-walled carbon nanotubes. International Journal of Nanoparticles, 2008, 1, 152.	0.3	0
11989	Ultrafast dynamics of individual air-suspended single-walled carbon nanotubes. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
11990	Carbon-Based Nanolubricants. , 0, , 93-147.		12
11992	Molecular Self-Assembly into One-Dimensional Nanotube Architectures and Exploitation of Their Functions. Bulletin of the Chemical Society of Japan, 2008, 81, 1554-1566.	3.2	57
11993	Fabrication and Luminescent Characteristics of Y ₂ O ₃ :Eu ³⁺ Nanotubes by Hydrothermal Treatment. Chemistry Letters, 2008, 37, 370-371.	1.3	4
11994	Synthesis of Carbon Nanotubes, and the Effect on Thermal Stability in High-Impact Polystyrene. Australian Journal of Chemistry, 2008, 61, 72.	0.9	7
11995	Functionalization of Multi-Walled Carbon Nanotubes Realized by Microwave-Driven Chemistry Inducing Dispersibility in Liquid Media. Bulletin of the Chemical Society of Japan, 2008, 81, 387-392.	3.2	16
11996	Fabrication of Carbon Nanostructures by Pulsed Electric Discharge between Metal Electrodes Using Fluorine-containing Organic Liquid. Chemistry Letters, 2008, 37, 54-55.	1.3	3
11997	Single-walled Carbon Nanotube Modification into a Photograft-polymerized Polymer Film via Polyion-complexation. Chemistry Letters, 2008, 37, 546-547.	1.3	1
11998	Enhanced Photocurrent in Nanocomposite of Dye-doped Titania Gel and Carbon Nanotubes. Chemistry Letters, 2008, 37, 940-941.	1.3	4
11999	Radial thermal expansion of single-walled carbon nanotube bundles at low temperatures. Low Temperature Physics, 2008, 34, 678-679.	0.6	25
12000	Synthesis and Characterization of Low Density Polyethylene (LDPE) Reinforced With Functionalized CNTs. , 2008, , .		1
12001	Acoustic modes of finite length homogeneous and layered cylindrical shells: Single and multiwall carbon nanotubes. Journal of Applied Physics, 2008, 104, 033524.	2.5	12
12002	Formation and Characterization of Bulk Hetero-Junction Solar Cells Using C₆₀ and Perylene. Materials Transactions, 2008, 49, 2457-2460.	1.2	18
12003	An Amperometric Biosensor for Glucose Based on a Composite Electrode of Glucose Dehydrogenase, Carbon Nanotubes, and Plasma-polymerized Thin Films. Electrochemistry, 2008, 76, 545-548.	1.4	6
12004	NADH Sensing Using a Carbon Nanotube Electrode Reinforced with a Plasma-polymerized Thin Film. Electrochemistry, 2008, 76, 610-613.	1.4	5
12005	Selective Growth Method of Carbon Nanotubes by Chemical Vapor Deposition. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2008, 74, 288-294.	0.2	0
12006	Graphitization of nanocrystalline carbon microcoils synthesized by catalytic chemical vapor deposition. Journal of Applied Physics, 2008, 104, .	2.5	23
12007	Chemical Modification of Carbon Nanotube Based Bio-Nanosensor by Plasma Activation. Japanese Journal of Applied Physics, 2008, 47, 2068-2071.	1.5	16
12008	Carbon nanotube motors driven by carbon nanotube. Journal of Chemical Physics, 2008, 128, 194704.	3.0	18

#	ARTICLE	IF	CITATIONS
12009	Electroanalysis of NADH Using Conducting and Redox Active Polymer/Carbon Nanotubes Modified Electrodes-A Review. <i>Sensors</i> , 2008, 8, 739-766.	3.8	123
12010	Determination of Dopamine in the Presence of Ascorbic Acid by Nafion and Single-Walled Carbon Nanotube Film Modified on Carbon Fiber Microelectrode. <i>Sensors</i> , 2008, 8, 6924-6935.	3.8	49
12011	Stability and magnetic properties of transition metal atoms endohedral B _n N _n (n=12-28) cages. <i>Journal of Chemical Physics</i> , 2008, 128, 084306.	3.0	28
12012	High-current-density field emission display fabricated from single-walled carbon nanotube electron sources. <i>EPJ Applied Physics</i> , 2008, 42, 251-254.	0.7	2
12013	Nonlinear localized modes in complex chains and carbon nanotubes. <i>Low Temperature Physics</i> , 2008, 34, 549-553.	0.6	2
12014	Synthesis of carbon nanotubes by plasma-enhanced CVD process: gas phase study of synthesis conditions. <i>EPJ Applied Physics</i> , 2008, 43, 353-356.	0.7	5
12015	Electronic transport in outer-wall disordered carbon nanotube molecular devices. <i>Journal of Applied Physics</i> , 2008, 103, 083710.	2.5	17
12016	Quantum transport properties of carbon nanotube with topologic defects. <i>EPJ Applied Physics</i> , 2008, 43, 19-22.	0.7	4
12017	Energy gaps, electronic structures, and x-ray spectroscopies of finite semiconductor single-walled carbon nanotubes. <i>Journal of Chemical Physics</i> , 2008, 128, 084707.	3.0	7
12019	Micro- and nano-robotic technologies. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
12020	Room temperature synthesis of carbon nanotubes using Dip Pen Nanolithography (DPN). <i>Proceedings of SPIE</i> , 2008, , .	0.8	1
12021	Fabrication of 1-dimension nano-material-based device and its electrical characteristics. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
12022	Fabrication and Characterization of Nanostructured Titanate Materials by the Hydrothermal Treatment Method. <i>Recent Patents on Nanotechnology</i> , 2008, 2, 84-102.	1.3	17
12023	ATOMIC FORCE MICROSCOPE LITHOGRAPHY. , 2008, , 33-64.		1
12024	X-ray Nanocrystallography of Individual Carbon Nanotubes. <i>Nano Letters</i> , 2008, 8, 4477-4482.	9.1	14
12025	Dimension controlled CNT probe of AFM metrology tool for 45-nm node and beyond. , 2008, , .		3
12026	Electrical responses by effects of molecular adsorption on channel and junctions of carbon nanotube field effect transistors. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 102007.	2.8	3
12027	Novel gas sensors based on carbon nanotube networks. <i>Journal of Physics: Conference Series</i> , 2008, 127, 012012.	0.4	3

12029	The application of dielectrophoresis on the characterization of electric property in multi-walled carbon nanotubes. , 2008, , .	0
-------	---	---

#	ARTICLE	IF	CITATIONS
12047	Nanocarbon. , 2008, , 287-309.		1
12048	Mechanisms of Methane Decomposition over Ni Catalysts at High Temperatures. Journal of the Japan Petroleum Institute, 2008, 51, 42-49.	0.6	17
12049	Protein cages, rings and tubes: useful components of future nanodevices?. Nanotechnology, Science and Applications, 2008, Volume 1, 67-78.	4.6	42
12050	DERIVATION OF THE CARBON NANOTUBE SUSCEPTIBILITY TENSOR USING LATTICE DYNAMICS FORMALISM. Progress in Electromagnetics Research B, 2008, 9, 1-26.	1.0	5
12051	Nanoparticles for Imaging and Tumor Gene Delivery. Tumori, 2008, 94, 264-270.	1.1	26
12052	Strength at the Interface of CNT Films Made by Surface Decomposition of SiC. Tribology Online, 2008, 3, 352-355.	0.9	2
12053	Electrochemical Determination of Trace Sudan I Contamination in Chili Powder at Carbon Nanotube Modified Electrodes. Sensors, 2008, 8, 1890-1900.	3.8	24
12054	Molecular mechanics applied to single-walled carbon nanotubes. Materials Research, 2008, 11, 325-333.	1.3	62
12056	Ecological Uptake and Depuration of Carbon Nanotubes by <i>Lumbriculus variegatus</i> . Environmental Health Perspectives, 2008, 116, 496-500.	6.0	151
12057	Instability analysis of double-walled carbon nanotubes subjected to axial compression. Journal of Applied Physics, 2008, 104, 036102.	2.5	4
12058	Simulation of Nanoscale Peeling and Adhesion of Single-Walled Carbon Nanotube on Graphite Surface. E-Journal of Surface Science and Nanotechnology, 2008, 6, 72-78.	0.4	23
12059	Molecular-Mechanics Simulation of Nanoscale Peeling and Adhesion of Carbon Nanotube. Hyomen Kagaku, 2008, 29, 615-620.	0.0	0
12060	Apparent Enhanced Solubility of Single-Wall Carbon Nanotubes in a Deuterated Acid Mixture. Research Letters in Nanotechnology, 2008, 2008, 1-4.	0.3	7
12061	Surface Modification of Carbon Nanotube Networked Films with Au Nanoclusters for Enhanced Gas Sensing Applications. Journal of Sensors, 2008, 2008, 1-8.	1.1	16
12062	Fiber Optic Chemical Nanosensors Based on Engineered Single-Walled Carbon Nanotubes. Journal of Sensors, 2008, 2008, 1-29.	1.1	19
12063	Synthesis and Optimization of MWCNTs on Co-Ni/MgO by Thermal CVD. Advances in Condensed Matter Physics, 2008, 2008, 1-6.	1.1	19
12064	Zr-metal adhesion on graphenic nanostructures. Applied Physics Letters, 2008, 93, 053101.	3.3	10
12065	Preparation and Mechanical Properties of Fe ₃ Al-MWNTs Composites. Advanced Composites Letters, 2008, 17, 096369350801700.	1.3	0

#	ARTICLE	IF	CITATIONS
12066	Carbon nanofibers: a versatile catalytic support. Materials Research, 2008, 11, 353-357.	1.3	28
12067	Comparative Studies on the Magnetic Separation of Carbon Nanotubes and Carbon Nanofibers Suspended in Aqueous Solution. Journal of Chemical Engineering of Japan, 2008, 41, 627-630.	0.6	1
12068	Continuum Modeling and Analysis of the Frictional Interaction Between a CNT and a Substrate During Dragging. , 2008, , .		1
12069	Development of a Carbon Nanotube-Based Electromechanical Resonator: Device Modeling. , 2008, , .		0
12070	Title is missing!. Journal of the Vacuum Society of Japan, 2008, 51, 240-244.	0.3	1
12071	Aqueous suspension of carbon nanotubes enhances the specificity of long PCR. BioTechniques, 2008, 44, 537-545.	1.8	59
12072	Preparation and Characterization of Electrospun Fibers of Poly(methyl methacrylate) - Single Walled Carbon Nanotube Nanocomposites. Journal of Engineered Fibers and Fabrics, 2008, 3, 155892500800300.	1.0	3
12073	Fabrication and characterization of single-walled carbon nanotube saturable absorbers for solid-state laser mode-locking near 1 μm. , 2008, , .		0
12074	A SYMMETRY-BASED FORMALISM FOR THE ELECTRODYNAMICS OF NANOTUBES. Progress in Electromagnetics Research, 2008, 86, 111-134.	4.4	11
12075	The Study on the Microstructures and High Performances of Melt Blending Polyurethane/Multiwalled Carbon Nanotubes Composites. Polymers and Polymer Composites, 2008, 16, 509-518.	1.9	11
12076	Electrospinning Fabrication of Polycrystalline LaCrO3 Porous Hollow Nanofibers. Applied Physics Research, 2009, 1, .	0.0	0
12077	Modern Applied Science, Vol. 3, No. 1, January 2009, all in one file. Modern Applied Science, 2009, 3, .	0.6	0
12078	Present Status and Key Challenges of Carbon Nanotubes Reinforced Polyolefins: A Review on Nanocomposites Manufacturing and Performance Issues. Polymers and Polymer Composites, 2009, 17, 205-245.	1.9	30
12080	Polystyrene-Carbon Nanotubes Composites Prepared by Microemulsion Polymerization for Vapour Sensors. Polymers and Polymer Composites, 2009, 17, 557-561.	1.9	2
12085	Resonant behavior observed in electron field emission from acid functionalized multiwall carbon nanotubes. Applied Physics Letters, 2009, 94, 123102.	3.3	13
12086	Advances in the Use of Carbon Nanomaterials in Catalysis. , 2009, , 621-649.		5
12087	LOWER FREQUENCY LIMIT OF CARBON NANOTUBE ANTENNA. Progress in Electromagnetics Research, 2009, 94, 419-433.	4.4	40
12088	EFFECTS OF INTERPHASE AND MATRIX PROPERTIES ON EFFECTIVE TENSILE ELASTIC MODULUS OF CARBON NANOTUBE-BASED COMPOSITE. Journal of the Institution of Engineers, Bangladesh, 2009, 40, 29-38.	0.5	3

#	ARTICLE	IF	CITATIONS
12089	Mechanical Properties of Mwcnt/Elastomer Nanocomposites and the Cellulation Model. , 2009, , .		2
12090	Porphyrin-Based Nanostructures for Sensing Applications. Journal of Sensors, 2009, 2009, 1-10.	1.1	70
12091	Synthesis of Carbon Nanotube and Its Potential Application in Protein Purification by Using Skim Latex Serum. , 2009, , .		0
12094	Electrospinning Preparation of LaFeO ₃ Nanofibers. Modern Applied Science, 2009, 3, .	0.6	0
12096	The effect of sorbed hydrogen on low-temperature radial thermal expansion of single-walled carbon nanotube bundles. Low Temperature Physics, 2009, 35, 939-943.	0.6	13
12097	Applied Physics Research, Vol. 1, No. 1, 2009. Applied Physics Research, 2009, 1, .	0.0	0
12098	Applied Physics Research, Vol. 1, No. 2, November 2009, all in one file. Applied Physics Research, 2009, 1, .	0.0	0
12099	Fabrication of LaNiO ₃ Porous Hollow Nanofibers via an Electrospinning Technique. Modern Applied Science, 2009, 3, .	0.6	2
12100	Properties Of Carbon Nanotubes Produced Using Fe ²⁺ •Co ²⁺ •Al Trimetallic Catalyst In Fluidized Floating Catalyst Method. , 2009, , .		1
12102	Synthesis of LaMnO ₃ Nanofibers via Electrospinning. Applied Physics Research, 2009, 1, .	0.0	6
12103	A Review of Carbon Nanotubes-Based Gas Sensors. Journal of Sensors, 2009, 2009, 1-24.	1.1	372
12104	Effect of Ultraviolet Irradiation on the Purification of Carbon Nanotubes. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2009, 60, 352-354.	0.2	0
12105	Nanomaterials for Chemical Sensing Technologies. Journal of Sensors, 2009, 2009, 1-2.	1.1	5
12106	Carbon Nanotubes as Active Components for Gas Sensors. Journal of Sensors, 2009, 2009, 1-16.	1.1	81
12107	Parametric Studies of Thin Film Nickel Catalyst for the Growth of Carbon Nanotubes. , 2009, , .		0
12108	Carbon Nanotubes Using Palm Oil as Carbon Source in Spray Pyrolysis System. , 2009, , .		2
12109	Electronic Structure of a Collapsed Armchair Single-Walled Carbon Nanotube. E-Journal of Surface Science and Nanotechnology, 2009, 7, 541-545.	0.4	7
12110	Growth Mechanism Of Carbon Nanotubes Prepared By Fluidized Floating Catalyst Method. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
12111	Study on the Growth of Multi-Walled Carbon Nanotubes from Different Palm-Based Precursor. , 2009, , .		2
12112	Preparation of LaFeO ₃ Porous Hollow Nanofibers by Electrospinning. International Journal of Chemistry, 2009, 1, .	0.3	9
12114	Electron devices and electron transport. , 2009, , 51-87.		0
12115	Nanocomposites: synthesis, structure, properties and new application opportunities. Materials Research, 2009, 12, 1-39.	1.3	1,035
12116	Water soluble carbon nanotubes affect growth of the common gram (Cicer arietinum). Nature Precedings, 2009, , .	0.1	0
12117	Fabrication of Silicon Nanowires and Transistors with Silicon Nanowire-Channels. Journal of the Vacuum Society of Japan, 2009, 52, 327-334.	0.3	0
12118	Modifying the electronic structure of semiconducting single-walled carbon nanotubes by Ar ⁺ ion irradiation. Physical Review B, 2009, 79, .	3.2	42
12119	Disorder-induced superconductivity in ropes of carbon nanotubes. Physical Review B, 2009, 80, .	3.2	7
12120	Transverse-field-induced effects in carbon nanotubes. Physical Review B, 2009, 79, .	3.2	10
12121	Electronic properties of a carbon nanotube in a field-effect transistor structure: A first-principles study. Physical Review B, 2009, 79, .	3.2	7
12122	Growth of curved graphene sheets on graphite by chemical vapor deposition. Physical Review B, 2009, 79, .	3.2	24
12123	Flattening-induced electronic changes in zigzag single- and multi-walled boron nitride nanotubes: A first-principles DFT study. Physical Review B, 2009, 80, .	3.2	12
12124	Electronic and transport properties of rectangular graphene macromolecules and zigzag carbon nanotubes of finite length. Physical Review B, 2009, 79, .	3.2	8
12125	Modeling two-dimensional crystals and nanotubes with defects under stress. Physical Review B, 2009, 79, .	3.2	3
12126	Solution-phase surface reconstruction and structural transformation in MWNTs. , 2009, , .		0
12127	Fabrication and characterization of metal-semiconductor-metal nanorod using template synthesis. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 808-812.	2.1	2
12128	Carbon nanotube pillar arrays for achieving high emission current densities. Applied Physics Letters, 2009, 95, 133111.	3.3	35
12129	Deterministic fabrication of carbon nanotube probes using the dielectrophoretic assembly and electrical detection. Review of Scientific Instruments, 2009, 80, 105103.	1.3	4

#	ARTICLE	IF	CITATIONS
12130	Strain effects on work functions of pristine and potassium-decorated carbon nanotubes. Journal of Chemical Physics, 2009, 131, 224701.	3.0	34
12131	Effects of tube diameter and chirality on the stability of single-walled carbon nanotubes under ion irradiation. Journal of Applied Physics, 2009, 106, .	2.5	17
12132	Self-organized regular arrays of carbon nanocones induced by ultrashort laser pulses and their field emission properties. Journal of Applied Physics, 2009, 105, 083103.	2.5	16
12133	Defect states in carbon nanotubes and related band structure engineering: A first-principles study. Journal of Applied Physics, 2009, 105, .	2.5	11
12134	The single-wall carbon nanotube waveguides and excitation of their π -plasmons by an electron beam. Physics of Plasmas, 2009, 16, .	1.9	15
12135	Terahertz spectroscopy of platinum, copper sulfide, and tin oxide nanocrystals-carbon nanotube hybrid nanostructures. , 2009, , .		1
12136	Surface effect on the size- and orientation-dependent elastic properties of single-crystal ZnO nanostructures. Journal of Applied Physics, 2009, 105, 034302.	2.5	11
12137	Comparison of Exfoliated Graphite Nanoplatelets (xGnP) and CNTs for Reinforcement of EVA Nanocomposites Fabricated by Solution Compounding Method and Three Screw Rotating Systems. Journal of Adhesion Science and Technology, 2009, 23, 1623-1638.	2.6	59
12138	Flexible temperature sensor array of PDMS-encapsulated conductive CNT thin films fabricated by solution process. , 2009, , .		0
12139	Electron Beam Stimulated Oxidation of Carbon (EBSOC). , 2009, , .		1
12140	Modeling the neuron-to-carbon nanotubes interface. , 2009, , .		0
12141	Development of Catalyst Free Carbon Nanotubes from Coal and Waste Plastics. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 567-582.	2.1	33
12142	Expansion-limited aggregation of nanoclusters in a single-pulse laser-produced plume. Physical Review B, 2009, 80, .	3.2	22
12143	Asymmetric spin-orbit coupling in single-walled carbon nanotubes. Physical Review B, 2009, 79, .	3.2	22
12144	Theoretical calculation for the ultraviolet optical properties of single-walled carbon nanotubes. Physical Review B, 2009, 79, .	3.2	29
12145	Disentanglement of the electronic properties of metallicity-selected single-walled carbon nanotubes. Physical Review B, 2009, 80, .	3.2	73
12146	Analysis of diamond nanocrystal formation from multiwalled carbon nanotubes. Physical Review B, 2009, 80, .	3.2	18
12147	Gold-Carbon Nanotube Composite Plating Film Deposited Using Non-Cyanide Bath. Japanese Journal of Applied Physics, 2009, 48, 070217.	1.5	5

#	ARTICLE	IF	CITATIONS
12148	Field emission properties of double-walled carbon nanotubes coated with Ru metal nanoparticles. , 2009, , .		1
12149	Study of geometrical effects on the characteristics of metallic double-walled carbon nanotube waveguides through quantum hydrodynamics. Physics of Plasmas, 2009, 16, 063501.	1.9	4
12150	Organic molecule assembled between carbon nanotubes: A highly efficient switch device. Physical Review B, 2009, 79, .	3.2	36
12151	Regioregular poly(3-hexyl-thiophene) helical self-organization on carbon nanotubes. Applied Physics Letters, 2009, 95, 013304.	3.3	45
12152	A boroxol ring doped zigzag boron nitride nanotube: a computational DFT study of the quadrupole coupling constant. Canadian Journal of Physics, 2009, 87, 647-652.	1.1	5
12153	Electronic and optical properties of single-walled carbon nanotubes under a uniform transverse electric field: A first-principles study. Physical Review B, 2009, 79, .	3.2	32
12154	ZnO nanostructures by atomic layer deposition method. Journal of Physics: Conference Series, 2009, 146, 012017.	0.4	7
12155	Lindemann parameters for solid membranes focused on carbon nanotubes. Physical Review B, 2009, 79, .	3.2	5
12156	Methane storage in bottle-like nanocapsules. Nanotechnology, 2009, 20, 125602.	2.6	34
12157	Pt Nanoclusters Electrodeposited on Single-Walled Carbon Nanotubes for Electrochemical Catalysis. Journal of the Electrochemical Society, 2009, 156, B981.	2.9	11
12158	Gold Nanoparticles and Carbon Nanotubes: Precursors for Novel Composite Materials. , 0, , 249-295.		1
12159	Formation of s^3p -Bonded Carbon Nanostructures by Femtosecond Laser Excitation of Graphite. Physical Review Letters, 2009, 102, 087402.	7.8	132
12160	Polaron-induced deformations in carbon nanotubes studied using the bicontinuum model. Physical Review B, 2009, 80, .	3.2	3
12161	A high-throughput reaction system to measure the gas-phase photocatalytic oxidation activity of TiO ₂ nanotubes. Review of Scientific Instruments, 2009, 80, 075106.	1.3	6
12162	Conductance of a single-atom carbon chain with graphene leads. Physical Review B, 2009, 80, .	3.2	32
12163	Magnetism in finite-sized single-walled carbon nanotubes of the zigzag type. Physical Review B, 2009, 79, .	3.2	29
12164	<i>Phase Transitions</i> and recent advances in liquid-crystals research. Phase Transitions, 2009, 82, 831-849.	1.3	11
12165	Defect-induced chemisorption of nitrogen oxides on (10,0) single-walled carbon nanotubes: Insights from density functional calculations. Journal of Chemical Physics, 2009, 131, 114706.	3.0	20

#	ARTICLE	IF	CITATIONS
12166	Low-energy Landau levels of Bernal zigzag graphene ribbons. Journal of Applied Physics, 2009, 106, .	2.5	2
12167	Property of polyaniline /multi-wall carbon nanotube composites. , 2009, , .		0
12168	Physiological effect of multi-walled carbon nanotubes (MWCNTs) on conidia of the entomopathogenic fungus, <i>Paecilomyces fumosoroseus</i> (Deuteromycotina: Hyphomycetes). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 1592-1597.	1.7	21
12169	Buckling of defective carbon nanotubes. Journal of Applied Physics, 2009, 106, .	2.5	49
12170	Local opening of a large bandgap in metallic single-walled carbon nanotubes induced by tunnel injection of low-energy electrons. Applied Physics Letters, 2009, 94, 253103.	3.3	15
12171	Schottky barrier formation at metal electrodes and semiconducting carbon nanotubes. Applied Physics Letters, 2009, 94, 093107.	3.3	26
12172	Enhanced field emission of vertically aligned core-shelled carbon nanotubes with molybdenum oxide encapsulation. Journal of Applied Physics, 2009, 105, .	2.5	10
12173	Determination of power-law attenuation coefficient and dispersion spectra in multi-wall carbon nanotube composites using Kramers-Kronig relations. Journal of the Acoustical Society of America, 2009, 126, 92-97.	1.1	2
12174	Tailoring carbon nanotips in the plasma-assisted chemical vapor deposition: Effect of the process parameters. Journal of Applied Physics, 2009, 105, 083303.	2.5	15
12175	Chemical composition anomalies of nanotubes stretched from Au-Si(Ge) liquid alloy by an intense electric field. Applied Physics Letters, 2009, 95, 243111.	3.3	2
12176	Y-Contacted High-Performance n-Type Single-Walled Carbon Nanotube Field-Effect Transistors: Scaling and Comparison with Sc-Contacted Devices. Nano Letters, 2009, 9, 4209-4214.	9.1	150
12177	Chirality and diameter dependent x-ray absorption of single walled carbon nanotubes. Journal of Chemical Physics, 2009, 131, 034704.	3.0	23
12178	Terahertz generation and chaotic dynamics in single-walled zigzag carbon nanotubes. Chaos, 2009, 19, 033136.	2.5	7
12179	Screening the Missing Electron: Nanochemistry in Action. Physical Review Letters, 2009, 102, 046804.	7.8	64
12180	Modulation of alternating electric field inside photoexcited carbon nanotubes. Applied Physics Letters, 2009, 95, 053109.	3.3	21
12181	Assessment of continuum mechanics models in predicting buckling strains of single-walled carbon nanotubes. Nanotechnology, 2009, 20, 395707.	2.6	113
12182	Modeling of atmospheric-pressure anodic carbon arc producing carbon nanotubes. Journal of Applied Physics, 2009, 106, 103304.	2.5	59
12183	Hydrodynamic Deposition of Carbon Nanotubes onto HOPG: The Reduction of Oxygen on CNT/HOPG Electrodes in Alkaline Solution. Electrochemical and Solid-State Letters, 2009, 12, F31.	2.2	31

#	ARTICLE	IF	CITATIONS
12184	PARAMETRIC STUDY ON THE SYNTHESIS OF SINGLE WALL CARBON NANOTUBE BY GAS ARC-DISCHARGE METHOD WITH MULTIPLE LINEAR REGRESSIONS AND ARTIFICIAL NEURAL NETWORK. International Journal of Nanoscience, 2009, 08, 243-249.	0.7	2
12185	Recent advances in the field of nanometric drug carriers. Future Medicinal Chemistry, 2009, 1, 693-711.	2.3	21
12186	Morphology of Graphene on Step-Controlled Sapphire Surfaces. Applied Physics Express, 0, 2, 075502.	2.4	37
12187	Emission properties of carbon nanotubes and cathodes on their basis. Plasma Sources Science and Technology, 2009, 18, 034013.	3.1	19
12188	CARBON NANOTUBE-GRAFT-POLY (CITRIC ACID) CONTAINING SILVER AND PALLADIUM NANOPARTICLES. Nano, 2009, 04, 217-223.	1.0	8
12189	PREPARATION OF CARBON NANOTUBES BY FLUIDIZED FLOATING CATALYST METHOD USING NATURAL SOURCE. International Journal of Nanoscience, 2009, 08, 351-357.	0.7	1
12190	First-principles study of structural and electronic properties of BxNyCznanococones. Nanotechnology, 2009, 20, 115709.	2.6	5
12191	Synthesis of Carbon Nanotubes on the Surface of Carbon Fiber/fabric by Catalytic Chemical Vapor Deposition and Their Characterization. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 209-229.	2.1	29
12192	In situ observation of graphene sublimation and multi-layer edge reconstructions. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10103-10108.	7.1	232
12193	The role of surface species in chemical vapor deposited carbon nanotubes. Nanotechnology, 2009, 20, 115605.	2.6	10
12194	Novel Magnetic Single-Walled Carbon Nanotubes/Methylene Blue Composite Amperometric Biosensor for DNA Determination. Analytical Letters, 2009, 42, 366-380.	1.8	8
12195	Reinforced Cyanate Ester Resins with Carbon Nanotubes: Surface Modification, Reaction Activity and Mechanical Properties Analyses. Polymer-Plastics Technology and Engineering, 2009, 48, 359-366.	1.9	46
12196	Electronic structures and optical properties of nitrogen-doped SiC nanotube. , 2009, , .		0
12197	The applications of carbon nanostructures and semiconductor materials in the development of biosensors. , 2009, , .		0
12198	Nanostructured Conducting Polymer Biomaterials and their Applications in Controlled Drug Delivery. , 0, , 279-299.		2
12199	Thermal gradient induced actuation in double-walled carbon nanotubes. Nanotechnology, 2009, 20, 495503.	2.6	42
12200	Carbon nano tubes grown on glass substrate with different interface layer. , 2009, , .		0
12201	Kinetic Analysis of Nickel Filled in Carbon Nanotubes by Hydrothermal Oxidation/Ultrasonic Vibration Method. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
12203	Applications of Nanomaterials in Cell Stem Therapies and the Onset of Nanomedicine. Particulate Science and Technology, 2009, 27, 562-574.	2.1	11
12204	Computational studies on cyclic [n]paraphenyleneacetylenes using homodesmotic reactions. Molecular Physics, 2009, 107, 2149-2158.	1.7	14
12205	A novel transparent carbon nanotube film for radio frequency electromagnetic shielding applications. , 2009, , .		3
12206	Enhanced field emission properties from two-step screen-printed carbon nano-tube film. , 2009, , .		0
12207	In-situ Deposition of Nickel Nanoparticles on Carbon Nanotubes by Spray Pyrolysis. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 507-518.	2.1	7
12208	Sensors. , 2009, 119, 231-250.		0
12209	Miniaturized carbon nanotube-based RF resonator. , 2009, , .		7
12211	Electrical, dielectric and surface wetting properties of multi-walled carbon nanotubes/nylon-6 nanocomposites. Chinese Physics B, 2009, 18, 1221-1226.	1.4	8
12212	Nanoelectromechanical device fabrications by 3-D nanotechnology using focused-ion beams. Science and Technology of Advanced Materials, 2009, 10, 034501.	6.1	18
12213	The fabrication of TiO ₂ nanorods from TiO ₂ nanoparticles by organic protection assisted template method. Nanotechnology, 2009, 20, 345601.	2.6	17
12214	Ultrafast VLS growth of epitaxial In ₂ -Ga ₂ O ₃ nanowires. Nanotechnology, 2009, 20, 434017.	2.6	44
12215	Formation of carbon capsules from an amorphous carbon film by Ga and Ni/Co catalysts in a transmission electron microscope. Journal of Materials Research, 2009, 24, 1388-1394.	2.6	3
12216	ALIGNMENT OF CARBON NANOTUBES USING MAGNETIC NANOPARTICLES. International Journal of Nanoscience, 2009, 08, 251-259.	0.7	2
12217	Global Optimization of 2-Dimensional Nanoscale Structures: A Brief Review. Materials and Manufacturing Processes, 2009, 24, 109-118.	4.7	9
12218	NOVEL STRUCTURES FOR CARBON NANOTUBE FIELD EFFECT TRANSISTORS. International Journal of Modern Physics B, 2009, 23, 3871-3880.	2.0	3
12219	SWNT ensembles with porphyrins and phthalocyanines: new architectures for energy conversion. Journal of Porphyrins and Phthalocyanines, 2009, 13, 637-644.	0.8	5
12220	PREPARATION AND MICROSTRUCTURE OF MCNT/Cu NANOCOMPOSITE. International Journal of Modern Physics B, 2009, 23, 1461-1466.	2.0	0
12221	THE EFFECT OF THE DIAMETER ON THE SPECIFIC HEAT OF CARBON NANOTUBES. International Journal of Nanoscience, 2009, 08, 35-38.	0.7	4

#	ARTICLE	IF	CITATIONS
12222	GROWTH OF CARBON NANOTUBES ON IRON OXIDE NANOPARTICLES CATALYST DERIVED FROM IRON STORAGE PROTEIN-FERRITIN BY CVD METHOD. International Journal of Modern Physics B, 2009, 23, 1529-1534.	2.0	2
12223	CONNECTION OF SINGLE-WALLED CARBON NANOTUBES BY BANDAGING WITH A BIGGER RADIUS SINGLE-WALLED CARBON NANOTUBE. Modern Physics Letters B, 2009, 23, 1005-1012.	1.9	1
12224	Low Temperature Growth of Carbon Nanostructures by Radio Frequencyâ€Plasma Enhanced Chemical Vapor Deposition (Low Temperature Growth of Carbon Nanostructures by RFâ€PECVD). Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 625-635.	2.1	9
12225	Microwave electromagnetic properties of multiwalled carbon nanotubes filled with Co nanoparticles. Journal of Applied Physics, 2009, 106, 103922.	2.5	33
12226	Size effects of the bending stiffness of nanowires. Journal of Applied Physics, 2009, 105, 074306.	2.5	46
12227	Nanomaterial cell interactions: how do carbon nanotubes affect cell physiology?. Nanomedicine, 2009, 4, 57-63.	3.3	19
12228	Do all wurtzite nanotubes prefer faceted ones?. Journal of Chemical Physics, 2009, 130, 204706.	3.0	40
12229	Inhalation Toxicity of Multiwall Carbon Nanotubes in Rats Exposed for 3 Months. Toxicological Sciences, 2009, 112, 468-481.	3.1	398
12230	EFFECT OF TEMPERATURE ON SELF-ASSEMBLY OF DIAMOND-LIKE CARBON (DLC) GROWN BY PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION (PECVD). Surface Review and Letters, 2009, 16, 337-341.	1.1	1
12231	Electrophoretic Deposition Kinetics of ZnO Nanoparticles into an Opal Template and Fabrication of Well-Ordered Macroporous Structure. Journal of the Electrochemical Society, 2009, 156, E91.	2.9	6
12232	Vibration of Slender Structures Subjected to Axial Flow or Axially Towed in Quiescent Fluid. Advances in Acoustics and Vibration, 2009, 2009, 1-19.	0.5	11
12233	Process, Structure, and Properties of Electrospun Carbon Nanotube-Reinforced Nanocomposite Yarns. Research Letters in Materials Science, 2009, 2009, 1-5.	0.2	12
12234	Low-frequency electrostatic wave in a metallic electron-hole-ion plasma with nanoparticles. Journal of Plasma Physics, 2009, 75, 581-585.	2.1	1
12235	Measurement of dielectric properties of carbon nanotube networks used to build planar transmission lines. , 2009, , .		4
12236	Magnetization Reversal Mechanism for CoFeB Ferromagnetic Nanotube Arrays. Chinese Physics Letters, 2009, 26, 077503.	3.3	4
12238	Synthesis and Properties of Magnetic Composites of Carbon Nanotubes/Fe Nanoparticle. Chinese Physics Letters, 2009, 26, 116103.	3.3	7
12239	Density Functional Study of Defects in Boron Nitride Nanotubes. Zeitschrift Fur Physikalische Chemie, 2009, 223, 815-823.	2.8	26
12240	Schottky Barrier Formation at a Carbon Nanotubeâ€Scandium Junction. Chinese Physics Letters, 2009, 26, 027302.	3.3	6

#	ARTICLE	IF	CITATIONS
12241	Entropy of Field Interacting With Two Atoms in Bell State. Communications in Theoretical Physics, 2009, 51, 53-56.	2.5	1
12242	Single-crystalline superconducting MgB ₂ nanowires. Superconductor Science and Technology, 2009, 22, 075017.	3.5	14
12243	Stochastic Resonance in an Asymmetric Mono-stable System Subject to Two Periodic Forces and Multiplicative and Additive Noise. Communications in Theoretical Physics, 2009, 51, 283-286.	2.5	6
12244	Design optimization of a tapered mirror for microfocusing optics. Chinese Physics C, 2009, 33, 687-690.	3.7	5
12245	Synchronization of delayed chaotic systems with parameter mismatches by using intermittent linear state feedback. Nonlinearity, 2009, 22, 569-584.	1.4	260
12246	Catalyst Assisted Synthesis of Carbon Nanotubes Using the V-Shaped Pyrolysis Flame Method. Advanced Materials Research, 2009, 79-82, 2123-2126.	0.3	3
12247	Electronic spectra of commensurate and incommensurate DWNTs in parallel magnetic field. New Journal of Physics, 2009, 11, 033031.	2.9	2
12248	Zn Cluster Drifting Effect for the Formation of ZnO 3D Nanoarchitecture. ACS Nano, 2009, 3, 1594-1602.	14.6	39
12249	<i>In-situ</i> TEM-STM Observations of SWCNT Ropes/tubular Transformations. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	3
12250	Investigation of Carbon Nanotube Growth on Multimetal Layers for Advanced Interconnect Applications in Microelectronic Devices. Journal of the Electrochemical Society, 2009, 156, K23.	2.9	7
12251	The Milling Time Effect on Sintering Kinetics of Silicon Nitride Based Composites. Key Engineering Materials, 2009, 409, 369-372.	0.4	0
12252	Growth of Carbon Nanotubes on Copper Substrates Using a Nickel Thin Film Catalyst. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	1
12254	Synthesis and Purification of Carbon Nanotubes. Nanoscience and Technology, 2009, , 15-29.	1.5	2
12255	Numerical Simulation of Modal Vibration Response of Wavy Carbon Nanotubes. Journal of Composite Materials, 2009, 43, 501-515.	2.4	8
12256	Chemical Vapor Deposition of Silica Nanowires using Heteroleptic Bis(ethylmethylamino)silane Precursor. ECS Transactions, 2009, 25, 1159-1165.	0.5	0
12257	Self-Selective Separation of Single-Walled Carbon Nanotubes via a Hydroxyl Group Reaction. Electrochemical and Solid-State Letters, 2009, 12, K71.	2.2	3
12258	INVESTIGATION OF HYDROGEN ADSORPTION ON PLATINUM-DECORATED SINGLE-WALLED CARBON NANOTUBE USING MOLECULAR DYNAMICS SIMULATIONS. International Journal of Nanoscience, 2009, 08, 425-432.	0.7	2
12259	Conformable Patch Antenna Array for Energy Harvesting. Materials Research Society Symposia Proceedings, 2009, 1205, 91001.	0.1	2

#	ARTICLE	IF	CITATIONS
12260	Modeling of Carbon Nanotube Actuators: Part I – Modeling and Electrical Properties. Journal of Intelligent Material Systems and Structures, 2009, 20, 245-250.	2.5	16
12261	Subcooled Pool Boiling Experiments on Horizontal Heaters Coated With Carbon Nanotubes. Journal of Heat Transfer, 2009, 131, .	2.1	71
12262	Effective Properties of Carbon Nanotube and Piezoelectric Fiber Reinforced Hybrid Smart Composites. Journal of Applied Mechanics, Transactions ASME, 2009, 76, .	2.2	42
12263	Multiscale Experiments: State of the Art and Remaining Challenges. Journal of Engineering Materials and Technology, Transactions of the ASME, 2009, 131, .	1.4	32
12264	A Multifunctional MWCNT Composite: Strain Sensing, Damping and Application to Structural Vibration Control. , 2009, , .		1
12265	Continuum Modeling and Analysis of the Frictional Interaction Between a CNT and a Substrate During Dragging. Journal of Tribology, 2009, 131, .	1.9	6
12266	Fabrication, Testing, and Modeling of Carbon Nanotube Composites for Vibration Damping. Journal of Vibration and Acoustics, Transactions of the ASME, 2009, 131, .	1.6	11
12267	Optical Response of Finite-Length Carbon Nanotubes. Journal of the Physical Society of Japan, 2009, 78, 114708.	1.6	58
12268	A novel ionic polymer-metal composites incorporating ZnO thin film. , 2009, , .		0
12269	Toxicological and biological in vitro and in vivo effects of carbon nanotubes buckypaper. , 2009, , .		2
12270	Processing of carbon nanotubes and carbon nanotube based nanocomposites. , 2009, , 622-652.		0
12271	Optical phonon spectrum and the Fröhlich Hamiltonian in wurtzite-type nanotubes. Journal of Physics Condensed Matter, 2009, 21, 485301.	1.8	3
12272	Field-emission properties of carbon nanotubes grown using Cu/Cr catalysts. Journal of Vacuum Science & Technology B, 2009, 27, 41.	1.3	11
12273	Calculation of electron emission from a gated single nanowire. Journal of Vacuum Science & Technology B, 2009, 27, 2217.	1.3	1
12274	Carbon nanotube induced enhancement of electroluminescence of phosphor. Applied Physics Letters, 2009, 95, 071901.	3.3	31
12275	The screening effect on field enhancement factor of the finite-length small radius single-walled carbon nanotubes. Journal of Applied Physics, 2009, 106, 014301.	2.5	10
12276	Boron Nanowires for Flexible Electronics and Field Emission. , 2009, , .		2
12277	Strain-driven self-rolling mechanism for anomalous coiling of multilayer nanohelices. Journal of Applied Physics, 2009, 106, .	2.5	7

#	ARTICLE	IF	CITATIONS
12278	An idealized polyhedral model and geometric structure for silicon nanotubes. Journal of Physics Condensed Matter, 2009, 21, 075301.	1.8	8
12279	First principles calculations of the optical properties of CxNy single walled nanotubes. Nanotechnology, 2009, 20, 175701.	2.6	41
12280	Empirical expression for the emission site density of nanotube film emitters. Nanotechnology, 2009, 20, 275206.	2.6	17
12281	Three-dimensional selective growth of nanoparticles on a polymer microstructure. Nanotechnology, 2009, 20, 285312.	2.6	14
12282	The precise self-assembly of individual carbon nanotubes using magnetic capturing and fluidic alignment. Nanotechnology, 2009, 20, 325607.	2.6	19
12283	The toughness of multi-wall carbon nanocapsules. Nanotechnology, 2009, 20, 385705.	2.6	9
12284	Two-bit ferroelectric field-effect transistor memories assembled on individual nanotubes. Nanotechnology, 2009, 20, 475305.	2.6	20
12285	Gallium-assisted growth of flute-like MgO nanotubes, Ga ₂ O ₃ -filled MgO nanotubes, and MgO/Ga ₂ O ₃ -co-axial nanotubes. Nanotechnology, 2009, 20, 075602.	2.6	9
12286	Composition Dependent Magnetic Properties of Ni-Co-P Coated Carbon Nanotubes. Chinese Journal of Chemical Physics, 2009, 22, 411-416.	1.3	4
12287	Tailormade SiC-based nanocables by the control of the methane concentration. Journal Physics D: Applied Physics, 2009, 42, 045302.	2.8	3
12288	Modelling the relative stability of carbon nanotubes exposed to environmental adsorbates and air. Journal of Physics Condensed Matter, 2009, 21, 144205.	1.8	4
12289	Ultrathin graphitic structures and carbon nanotubes in a purified synthetic graphite. Journal of Physics Condensed Matter, 2009, 21, 355009.	1.8	12
12290	Memory effects based on random networks of single-walled carbon nanotubes. Nanotechnology, 2009, 20, 405210.	2.6	6
12291	Electron beam stimulated oxidation of carbon. Nanotechnology, 2009, 20, 465301.	2.6	24
12292	Functional Polymeric Nanofibers from Electrospinning. Recent Patents on Nanotechnology, 2009, 3, 21-31.	1.3	86
12293	Heterostructures of germanium nanowires and germanium-silicon oxide nanotubes and growth mechanisms. Nanotechnology, 2009, 20, 425604.	2.6	2
12294	Small crystal approach for the electronic properties of double-wall carbon nanotubes. New Journal of Physics, 2009, 11, 043002.	2.9	3
12295	Application of Carbon-Nanotube-Composite Japanese Washi Paper to Authentication Systems. Japanese Journal of Applied Physics, 2009, 48, 06FF04.	1.5	1

#	ARTICLE	IF	CITATIONS
12296	Optimization of a Tip with Carbon Nanofibers for Improved Field Emission Properties. Japanese Journal of Applied Physics, 2009, 48, 090207.	1.5	1
12297	Controlled synthesis of PbSe nanotubes by solvothermal transformation from selenium nanotubes. Nanotechnology, 2009, 20, 025606.	2.6	28
12298	The fabrication of carbon nanotube probes utilizing ultra-high vacuum transmission electron microscopy. Nanotechnology, 2009, 20, 285307.	2.6	11
12299	An exact polyhedral model for boron nanotubes. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 065204.	2.1	20
12300	Effect of substrate on thermal conductivity of single-walled carbon nanotubes. Europhysics Letters, 2009, 88, 26004.	2.0	18
12301	The fabrication of ZnO nanowire field-effect transistors combining dielectrophoresis and hot-pressing. Nanotechnology, 2009, 20, 235202.	2.6	27
12302	Efficient Separation of Giant Graphite Balls from As-Grown Single-Wall Carbon Nanohorns. Japanese Journal of Applied Physics, 2009, 48, 015003.	1.5	7
12303	Thermal Diffusivity of Single-Walled Carbon Nanotube Forest Measured by Laser Flash Method. Japanese Journal of Applied Physics, 2009, 48, 05EC07.	1.5	59
12304	Observation of Suspended Carbon Nanotube Configurations Using an Atomic Force Microscopy Tip. Japanese Journal of Applied Physics, 2009, 48, 081601.	1.5	3
12305	Gas sensing with long, diffusively contacted single-walled carbon nanotubes. Nanotechnology, 2009, 20, 155501.	2.6	6
12306	Generalized Bloch states and potentials of nanotubes and other quasi-1D systems II. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 125202.	2.1	4
12307	Effect of Oxygen Included in Substrates for Growth of Brushlike Carbon Nanotubes. Japanese Journal of Applied Physics, 2009, 48, 091602.	1.5	3
12308	A Review of Micro/Nano Welding and Its Future Developments. Recent Patents on Nanotechnology, 2009, 3, 53-60.	1.3	23
12309	Nanostructures for Treating Musculoskeletal Conditions. Current Bioactive Compounds, 2009, 5, 185-194.	0.5	3
12310	Chemically Functionalized Carbon Nanotubes: Emerging Vectors for Cell Therapy. Mini-Reviews in Medicinal Chemistry, 2009, 9, 1251-1261.	2.4	11
12311	Synthesis of Brushlike Carbon Nanotubes Using Wet-Processed Catalyst. Japanese Journal of Applied Physics, 2009, 48, 06FF06.	1.5	0
12312	Piezoresistive behavior of CNT nanocomposites using atomistic and micromechanics models. , 2009, , .		0
12313	Electron transfer from a carbon nanotube into vacuum under high electric fields. Journal of Physics Condensed Matter, 2009, 21, 195302.	1.8	11

#	ARTICLE	IF	CITATIONS
12314	Continuous Synthesis of Carbon Nanotubes Using a Plasma-Enhanced Chemical Vapor Deposition System at Atmospheric Pressure. Japanese Journal of Applied Physics, 2009, 48, 06FF09.	1.5	0
12315	Crystallography and elasticity of individual GaN nanotubes. Nanotechnology, 2009, 20, 185705.	2.6	12
12316	Emission site density depending on surface area and morphology of nanotube film emitters. Journal of Vacuum Science & Technology B, 2009, 27, 2435-2438.	1.3	6
12317	The computational design of junctions by carbon nanotube insertion into a graphene matrix. New Journal of Physics, 2009, 11, 093002.	2.9	24
12318	Competing ground states of a Peierls-Hubbard nanotube. Europhysics Letters, 2009, 87, 17006.	2.0	15
12319	Electrical transport measurements of the side-contacts and embedded-end-contacts of platinum leads on the same single-walled carbon nanotube. Nanotechnology, 2009, 20, 195202.	2.6	12
12320	Numerical Modeling of Single-wall Carbon Nanotubes Electromechanical Coupling Effects Using Nanoscale Models. Journal of Intelligent Material Systems and Structures, 2009, 20, 1649-1661.	2.5	2
12321	Electrical Transport Properties of $\text{Ni}_{95}\text{C}_{5}$ Multi wall Carbon Nanotubes Film. Journal of Nanomaterials, 2009, 2009, 1-8.	2.7	9
12322	Adsorption of alkanes, alkenes and their mixtures in single-walled carbon nanotubes and bundles. Molecular Simulation, 2009, 35, 90-99.	2.0	16
12323	Multi-Wall Carbon Nanotube Reinforced Thermotropic Liquid Crystal Copolyester Nanocomposites. Molecular Crystals and Liquid Crystals, 2009, 510, 300/[1434]-311/[1445].	0.9	6
12324	Direct Fabrication of Carbon Nanotubes STM Tips by Liquid Catalyst-Assisted Microwave Plasma-Enhanced Chemical Vapor Deposition. Journal of Nanomaterials, 2009, 2009, 1-5.	2.7	10
12325	Estimation of number of modes in periodic graphs. Waves in Random and Complex Media, 2009, 19, 556-565.	2.7	1
12326	Integration of one-dimensional nanostructures with microsystems: an overview. International Materials Reviews, 2009, 54, 245-282.	19.3	24
12327	High-Yield Synthesis of Stoichiometric Boron Nitride Nanostructures. Journal of Nanomaterials, 2009, 2009, 1-6.	2.7	7
12328	Growth of Pd-Filled Carbon Nanotubes on the Tip of Scanning Probe Microscopy. Journal of Nanomaterials, 2009, 2009, 1-5.	2.7	2
12329	A multiscale approach for modeling the early stage growth of single and multiwall carbon nanotubes produced by a metal-catalyzed synthesis process. Journal of Chemical Physics, 2009, 130, 034704.	3.0	19
12330	Orbital representation of kinetic energy pressure. Journal of Chemical Physics, 2009, 130, 084113.	3.0	11
12331	Transitions between semiconductor and metal induced by mixed deformation in carbon nanotube devices. Applied Physics Letters, 2009, 94, .	3.3	28

#	ARTICLE	IF	CITATIONS
12332	A robust analysis of the actuation of a carbon-nanotube-based nanoswitch with sidewall slip. Journal of Applied Physics, 2009, 106, .	2.5	4
12333	Nonlinear vibration of a single-walled carbon nanotube embedded in a polymer matrix aroused by interfacial van der Waals forces. Journal of Applied Physics, 2009, 106, 114309.	2.5	21
12334	Field-Emission Properties of Nanostructured WO ₃ Arrays Fabricated Using Tungsten Hot-Filament Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2009, 48, 090206.	1.5	9
12335	Strain energy and lateral friction force distributions of carbon nanotubes manipulated into shapes by atomic force microscopy. Nanotechnology, 2009, 20, 385709.	2.6	31
12336	Applications of Nanomaterials in Electrogenated Chemiluminescence Biosensors. Sensors, 2009, 9, 674-695.	3.8	104
12337	Biohydrogen. Green Energy and Technology, 2009, , .	0.6	40
12338	Toward Understanding of Hydrogen Storage in Single-Walled Carbon Nanotubes by Investigations of Chemisorption Mechanism. , 2009, , 297-313.		7
12339	Square-wave stripping voltammetric determination of some organic pollutants using modified electrodes. International Journal of Environmental Analytical Chemistry, 2009, 89, 245-260.	3.3	11
12340	Carbon nanotubes in drug delivery: focus on infectious diseases. Expert Opinion on Drug Delivery, 2009, 6, 517-530.	5.0	54
12341	Torsional behaviour of carbon nanotubes with abnormal interlayer distances. Journal Physics D: Applied Physics, 2009, 42, 055414.	2.8	15
12342	Molecular Simulations of Cyclic Loading Behavior of Carbon Nanotubes Using the Atomistic Finite Element Method. Journal of Nanomaterials, 2009, 2009, 1-9.	2.7	4
12343	Low-energy electronic properties of pairs of identical carbon nanotubes. Philosophical Magazine, 2009, 89, 2369-2380.	1.6	0
12344	A Capacitive Humidity Sensor Based on Multi-Wall Carbon Nanotubes (MWCNTs). Sensors, 2009, 9, 7431-7444.	3.8	120
12345	Multistage fatigue life monitoring on carbon fibre reinforced polymers enhanced with multiwall carbon nanotubes. Plastics, Rubber and Composites, 2009, 38, 124-130.	2.0	36
12346	Effect of Temperature on Elastic Properties of Single-Walled Carbon Nanotubes. Journal of Reinforced Plastics and Composites, 2009, 28, 551-569.	3.1	20
12347	Synthesis and Characterization of Multi-Branched Carbon Fibers and Their Proposed Growth Mechanism. Journal of Dispersion Science and Technology, 2009, 30, 1095-1099.	2.4	3
12348	Synthesis of Nb_2C by a Soft Chemical Process. Journal of Nanomaterials, 2009, 2009, 1-4.	2.1	21
12349	Purification and Functionalization of Diamond Nanopowders. Materials Research Society Symposia Proceedings, 2009, 1203, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
12350	Synthesis of high-purity carbon nanotubes over alumina and silica supported bimetallic catalysts. Chemical Industry and Chemical Engineering Quarterly, 2009, 15, 263-270.	0.7	13
12351	Hydroxyl vacancies in single-walled aluminosilicate and aluminogermanate nanotubes. Journal of Physics Condensed Matter, 2009, 21, 195301.	1.8	20
12352	Influence of heat treatment on morphological changes of nano-structured titanium oxide formed by anodic oxidation of titanium in acidic fluoride solution. Bio-Medical Materials and Engineering, 2009, 19, 77-83.	0.6	11
12353	Influence of Silver / CNTs on Epoxide Resin Based Conductive Adhesive. Materials Science Forum, 0, 610-613, 299-303.	0.3	0
12354	Carbon Nanotubesâ€™ Synthesis and Application. Transactions of the Indian Ceramic Society, 2009, 68, 163-172.	1.0	10
12355	Size control of highly ordered HfO_2 nanotube arrays and a possible growth mechanism. Nanotechnology, 2009, 20, 455601.	2.6	21
12356	Absence of Carcinogenic Response to Multiwall Carbon Nanotubes in a 2-Year Bioassay in the Peritoneal Cavity of the Rat. Toxicological Sciences, 2009, 110, 442-448.	3.1	229
12357	Influence of Multilayer vdW Interaction on Torsional Buckling of Multi-walled Carbon Nanotube under Thermal Fields. Journal of Reinforced Plastics and Composites, 2009, 28, 3009-3020.	3.1	2
12358	Carbon Nanotubes Preparation Using Carbon Monoxide from the Pyrolysis Flame. Advanced Materials Research, 0, 87-88, 104-109.	0.3	1
12359	The Rheological Effect of Carbon Nanotubes on the Iron Based Metal Powder Injection Molding Feedstock. Advanced Materials Research, 2009, 79-82, 469-472.	0.3	3
12360	Efficient Carbon Nanotube Field Emitter using Electrospun Carbon Nanofibers as a Flexible Electrode. Materials Research Society Symposia Proceedings, 2009, 1173, 7.	0.1	0
12361	Non-destructive testing of a carbon-nanotube-reinforced composite using HTS-SQUID and electromagnetic techniques. Superconductor Science and Technology, 2009, 22, 095001.	3.5	7
12362	The effects of boron doping and boron grafts on the mechanical properties of single-walled carbon nanotubes. Journal Physics D: Applied Physics, 2009, 42, 225402.	2.8	11
12363	Energetics and electronic structure of a single copper atomic chain wrapped in a carbon nanotube: a first-principles study. Chinese Physics B, 2009, 18, 5468-5473.	1.4	5
12364	Exciton Effects in Optical Absorption Spectra of Boronâ€™Nitride Nanotubes. Japanese Journal of Applied Physics, 2009, 48, 065007.	1.5	0
12365	Simulation Investigation on Optical and Electrical Properties of Carbon Nanotube in Terahertz Region. Communications in Theoretical Physics, 2009, 51, 161-164.	2.5	3
12366	Low temperature deposition of carbon nanotubes. Proceedings of SPIE, 2009, , .	0.8	0
12367	Nanofabrication, Nanoinstrumentation and Nanoassembly by Nanorobotic Manipulation. International Journal of Robotics Research, 2009, 28, 537-547.	8.5	45

#	ARTICLE	IF	CITATIONS
12368	CNT-CoO Complex Conductive Agent for the Positive Electrodes of MH/Ni Batteries. Materials Science Forum, 2009, 610-613, 488-491.	0.3	0
12369	Effect of MWCNT Bundle Structure on Electric Double-Layer Capacitor Performance. Electrochemical and Solid-State Letters, 2009, 12, A45.	2.2	21
12370	Electrical bistabilities and operating mechanisms of memory devices fabricated utilizing ZnO quantum dotâ€“multi-walled carbon nanotube nanocomposites. Nanotechnology, 2009, 20, 185202.	2.6	18
12371	New carbon nanotube antenna array simulation and fabrication. Proceedings of SPIE, 2009, , .	0.8	0
12372	Nanoscale Carbon Materials for Contaminant Separation. , 2009, , 269-311.		1
12373	One-step synthesis and near-infrared luminescent properties of Er ³⁺ and Ni ²⁺ doped single-crystalline Al ₁₈ B ₄ O ₃₃ nanorods. Nanotechnology, 2009, 20, 035604.	2.6	4
12374	Fabrication and Characterization of AZ91/CNT Magnesium Matrix Composites. Materials Science Forum, 0, 620-622, 271-274.	0.3	3
12375	On the use of cellular automata algorithm for the atomic-based simulation of carbon nanotubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2009, 465, 193-206.	2.1	5
12376	Thermal Buckling of Carbon Nanotubes. ECS Transactions, 2009, 19, 7-12.	0.5	4
12377	Effect of Fiber Diameter Waviness and Wavelength Ratio on the Effective Tensile Elastic Modulus of Carbon Nanotube-Based Polymer Composites. Advanced Materials Research, 0, 83-86, 473-480.	0.3	1
12378	Isotropic and Anisotropic Metal Nanoparticles Prepared by Inverse Microemulsion. , 0, , 157-189.		0
12379	Methane Catalytic Cracking to Make CO _x Free Hydrogen and Carbons (Nanotubes,) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.3	0
12380	Preparation of Multifunctional Carbon Nanotubes/Magnetite Nanocomposites. Advanced Materials Research, 2009, 79-82, 529-532.	0.3	0
12381	Carbon Nanofibers from Pyrolysis Flame and Research on the Affecting Factors. Advanced Materials Research, 2009, 87-88, 98-103.	0.3	0
12382	SYNTHESIS AND CHARACTERIZATION OF THERMOTROPIC LIQUID CRYSTALLINE POLYESTER/MULTI-WALLED CARBON NANOTUBE NANOCOMPOSITES. Nano, 2009, 04, 339-344.	1.0	1
12383	Study on the Surface Modification and Dispersion of Multi-Walled Carbon Nanotubes. Advanced Materials Research, 2009, 79-82, 609-612.	0.3	3
12384	Synthesis and Formation Mechanism of Hollow Carbon Spheres Containing Fe ₃ N Nanocrystals. Advanced Materials Research, 2009, 79-82, 1281-1284.	0.3	1
12385	Pressure-induced Structural Phase Transition of Carbon Nanotubes into New Nanostructured Carbon Solids. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
12386	XRD Study of the Effect of the Processing Variables on the Synthesis of Nanozirconia in the Presence of MWCNT. Journal of Composite Materials, 2009, 43, 247-256.	2.4	5
12387	Improvement of Cementitious Binders by Multi-Walled Carbon Nanotubes. , 2009, , 261-266.		15
12388	Alternative Nanostructured Sensors: Nanowires, Nanobelts, and Novel Nanostructures. , 2009, , 1-20.		1
12389	Fabrication of Carbon Nanotube Probes in Atomic Force Microscopy. Advanced Materials Research, 2009, 76-78, 497-501.	0.3	3
12390	Mechanisms of pulmonary toxicity and medical applications of carbon nanotubes: Two faces of Janus?. , 2009, 121, 192-204.		303
12391	Advanced technology for functionalization of carbon nanotubes. Progress in Natural Science: Materials International, 2009, 19, 801-810.	4.4	285
12392	Preparation of water-soluble multi-walled carbon nanotubes by Ce(IV)-induced redox radical polymerization. Progress in Natural Science: Materials International, 2009, 19, 991-996.	4.4	25
12393	Enhancement of adhesion between carbon nanotubes and polymer substrates using microwave irradiation. Scripta Materialia, 2009, 61, 32-35.	5.2	27
12394	Characterization of interfaces in ZrO ₂ â€“carbon nanofiber composite. Scripta Materialia, 2009, 61, 253-256.	5.2	7
12395	Determination of arylsulphatase and phosphatase enzyme activities in soil using screen-printed electrodes modified with multi-walled carbon nanotubes. Soil Biology and Biochemistry, 2009, 41, 2444-2452.	8.8	16
12396	Formation of carbon nanotubes from a silicon carbide/carbon composite. Solid State Sciences, 2009, 11, 422-427.	3.2	9
12397	SWCNT suppress inflammatory mediator responses in human lung epithelium in vitro. Toxicology and Applied Pharmacology, 2009, 234, 378-390.	2.8	89
12398	Imaging systems and materials characterization. Materials Characterization, 2009, 60, 397-414.	4.4	2
12399	SEM/AFM studies of cementitious binder modified by MWCNT and nano-sized Fe needles. Materials Characterization, 2009, 60, 735-740.	4.4	89
12400	Combined electron microscopy and spectroscopy characterization of as-received, acid purified, and oxidized HiPCO single-wall carbon nanotubes. Materials Characterization, 2009, 60, 1442-1453.	4.4	40
12401	Easy synthesis of graphitic carbon nanocoils from saccharides. Materials Chemistry and Physics, 2009, 113, 208-214.	4.0	46
12402	A new metastable phase of crystallized MoO ₃ Â·0.3H ₂ O nanobelts. Materials Chemistry and Physics, 2009, 113, 85-90.	4.0	26
12403	Construction and fluorescence of organic nanotube arrays by template-based physical vapor deposition method. Materials Chemistry and Physics, 2009, 113, 202-207.	4.0	4

#	ARTICLE	IF	CITATIONS
12404	Synthesis and morphology evolution of tubular tetrapod MgO by thermal evaporation. Materials Chemistry and Physics, 2009, 113, 468-473.	4.0	14
12405	Lanthanide hydroxide nanorods and their thermal decomposition to lanthanide oxide nanorods. Materials Chemistry and Physics, 2009, 114, 160-167.	4.0	104
12406	Direct solution-phase synthesis of Se submicrotubes using Se powder as selenium source. Materials Chemistry and Physics, 2009, 114, 300-303.	4.0	18
12407	Mo/MgO from avalanche-like reduction of MgMoO ₄ for high efficient growth of multi-walled carbon nanotubes by chemical vapor deposition. Materials Chemistry and Physics, 2009, 114, 173-178.	4.0	15
12408	Synthesis of boron nitride and carbon nanomaterials through a solid phase reduction process. Materials Chemistry and Physics, 2009, 114, 204-212.	4.0	14
12409	Performance of polyaniline/multi-walled carbon nanotubes composites as cathode for rechargeable lithium batteries. Materials Chemistry and Physics, 2009, 114, 371-375.	4.0	64
12410	Carbon nanotube-assisted synthesis and high catalytic activity of CeO ₂ hollow nanobeads. Materials Chemistry and Physics, 2009, 113, 527-530.	4.0	31
12411	Synthesis of tungsten disulfide nanotubes from different precursor. Materials Chemistry and Physics, 2009, 114, 884-888.	4.0	13
12412	Synthesis and electrochemical properties of single-walled carbon nanotube-gold nanoparticle composites. Materials Chemistry and Physics, 2009, 114, 879-883.	4.0	37
12413	Hexamethylenediamine-assisted hydrothermal preparation of uniform ZnO particles and their morphology-dependent photoluminescent properties. Materials Chemistry and Physics, 2009, 115, 547-550.	4.0	8
12414	Catalyst effects of fabrication of carbon nanotubes synthesized by chemical vapor deposition. Materials Chemistry and Physics, 2009, 115, 493-495.	4.0	15
12415	Theoretical studies of chemical functionalization of the (8,0) boron nitride nanotube with various metalloporphyrin MP (M = Fe, Co, Ni, Cu, and Zn) complexes. Materials Chemistry and Physics, 2009, 116, 21-27.	4.0	14
12416	Controlled loading of gold nanoparticles on carbon nanotubes by regenerative ion exchange. Materials Chemistry and Physics, 2009, 116, 284-288.	4.0	17
12417	Attachment of magnetic nanoparticles on carbon nanotubes using oleate as an interlinker molecule. Materials Chemistry and Physics, 2009, 116, 438-441.	4.0	13
12418	Synthesis and characterization of carbon nanotubes decorated with manganese-zinc ferrite nanospheres. Materials Chemistry and Physics, 2009, 116, 658-662.	4.0	58
12419	Improvement of mechanical and thermal properties of carbon nanotube composites through nanotube functionalization and processing methods. Materials Chemistry and Physics, 2009, 117, 313-320.	4.0	107
12420	Influence of structural and preparation parameters of Fe ₂ O ₃ /Al ₂ O ₃ catalysts on rate of production and quality of carbon nanotubes. Materials Chemistry and Physics, 2009, 117, 528-535.	4.0	25
12421	Formation of CuS submicrotubes with quadrate cross section. Materials Research Bulletin, 2009, 44, 1360-1365.	5.2	8

#	ARTICLE	IF	CITATIONS
12422	Synthesis of ribbon type carbon nanostructure using LiFePO ₄ catalyst and their electrochemical performance. Materials Research Bulletin, 2009, 44, 2155-2159.	5.2	7
12423	Carbon nanotubes with hydrophilic surfaces produced by a wet-mechanochemical reaction with potassium hydroxide using ethanol as solvent. Materials Letters, 2009, 63, 45-47.	2.6	25
12424	High-yield preparation of individual nitrogen-containing carbon nanobells. Materials Letters, 2009, 63, 206-208.	2.6	3
12425	Characterization of Tin-catalyzed silicon nanowires synthesized by the hydrogen radical-assisted deposition method. Materials Letters, 2009, 63, 246-248.	2.6	38
12426	Structure and photoluminescence of S-doped ZnO nanorod arrays. Materials Letters, 2009, 63, 444-446.	2.6	47
12427	High-density assembly of gold nanoparticles to multiwalled carbon nanotubes using ionic liquid as interlinker. Materials Letters, 2009, 63, 697-699.	2.6	19
12428	Fabrication of ZnO nanoneedle arrays by direct microwave irradiation. Materials Letters, 2009, 63, 739-741.	2.6	27
12429	Synthesis and characterization of Y-shaped carbon fibers by chemical vapor deposition. Materials Letters, 2009, 63, 850-851.	2.6	10
12430	Ethylene glycol assisted hydrothermal synthesis of flower like ZnO architectures. Materials Letters, 2009, 63, 873-876.	2.6	81
12431	Preparation and photoluminescence of high density SiO _x nanowires with Fe ₃ O ₄ nanoparticles catalyst. Materials Letters, 2009, 63, 1149-1152.	2.6	10
12432	Preparation, characterization and micromolding of multi-walled carbon nanotube polydimethylsiloxane conducting nanocomposite polymer. Materials Letters, 2009, 63, 1203-1206.	2.6	105
12433	Synthesis of boron nitride nanotubes from boron oxide by ball milling and annealing process. Materials Letters, 2009, 63, 1733-1736.	2.6	33
12434	Catalytic synthesis of carbon nanofibers and nanotubes by the pyrolysis of acetylene with iron nanoparticles prepared using a hydrogen-arc plasma method. Materials Letters, 2009, 63, 1677-1679.	2.6	16
12435	An innovative method to improve the electrical conductivity of multi-walled carbon nanotubes filled polyamide 6/polystyrene blends. Materials Letters, 2009, 63, 1900-1903.	2.6	14
12436	Tunable amorphous carbon nanotubes prepared by a simple template. Materials Letters, 2009, 63, 1955-1957.	2.6	11
12437	Controlled fabrication of branched Fe nanotubes. Materials Letters, 2009, 63, 2215-2217.	2.6	6
12438	Biomimetic mineralization of electrospun poly(lactic-co-glycolic acid)/multi-walled carbon nanotubes composite scaffolds in vitro. Materials Letters, 2009, 63, 2313-2316.	2.6	25
12439	Synthesis of submicron size hollow carbon spheres by a chemical reduction "solvo" thermal method using carbon tetrachloride as carbon source. Materials Letters, 2009, 63, 2339-2342.	2.6	30

#	ARTICLE	IF	CITATIONS
12440	Decoration of carbon nanotubes with nearly monodisperse MnFe_2O_4 (MFe_2O_4 , $\text{M}=\text{Fe}$, Co , Ni) nanoparticles. <i>Materials Letters</i> , 2009, 63, 2526-2528.	2.6	33
12441	Carbon Nanomaterials for Next-Generation Interconnects and Passives: Physics, Status, and Prospects. <i>IEEE Transactions on Electron Devices</i> , 2009, 56, 1799-1821.	3.0	390
12442	A Semianalytical Model of Bilayer-Graphene Field-Effect Transistor. <i>IEEE Transactions on Electron Devices</i> , 2009, 56, 2979-2986.	3.0	59
12443	Review: Semiconductor Piezoresistance for Microsystems. <i>Proceedings of the IEEE</i> , 2009, 97, 513-552.	21.3	742
12444	Carbon nanotubes in nanopackaging applications. <i>IEEE Nanotechnology Magazine</i> , 2009, 3, 22-25.	1.3	19
12445	Adding enzymatically modified gelatin to enhance the rehydration abilities and mechanical properties of bacterial cellulose. <i>Food Hydrocolloids</i> , 2009, 23, 2195-2203.	10.7	59
12446	Temperature-sensitive nanocapsules for methane storage. <i>Micro and Nano Letters</i> , 2009, 4, 172-176.	1.3	5
12447	Nanoscale Devices: Applications and Modeling. , 0, , 31-65.		1
12448	Carbon Nanotube-Based Sensors and Biosensors. , 0, , 1-37.		0
12449	Nanostructured Affinity Surfaces for MALDI-TOF-MS-Based Protein Profiling and Biomarker Discovery. , 0, , 421-456.		0
12450	Isotropic Display of Biomolecules on CNT-Arrayed Nanostructures. , 0, , 39-65.		1
12451	Interaction of DNA with CNTs: Properties and Prospects for Electronic Sequencing. , 0, , 67-96.		7
12452	Improved Electrochemistry of Biomolecules Using Nanomaterials. , 0, , 97-135.		0
12453	Detection in Miniaturized Analytical Systems. , 0, , 213-261.		1
12455	Reduced Surfactant Uptake in Three Dimensional Assemblies of VO_x Nanotubes Improves Reversible Li^+ Intercalation and Charge Capacity. <i>Advanced Functional Materials</i> , 2009, 19, 1736-1745.	14.9	80
12456	Long-Cycle Electrochemical Behavior of Multiwall Carbon Nanotubes Synthesized on Stainless Steel in Li Ion Batteries. <i>Advanced Functional Materials</i> , 2009, 19, 1008-1014.	14.9	159
12457	The Selective Heating of Iron Nanoparticles in a Single-Mode Microwave for the Patterned Growths of Carbon Nanofibers and Nanotubes. <i>Advanced Functional Materials</i> , 2009, 19, 1287-1292.	14.9	30
12458	High-Performance Photoresponsive Organic Nanotransistors with Single-Layer Graphenes as Two-Dimensional Electrodes. <i>Advanced Functional Materials</i> , 2009, 19, 2743-2748.	14.9	115

#	ARTICLE	IF	CITATIONS
12459	On the Synthesis of Carbon Nanofibers and Nanotubes by Microwave Irradiation: Parameters, Catalysts, and Substrates. <i>Advanced Functional Materials</i> , 2009, 19, 2819-2825.	14.9	19
12460	Thermal and Structural Characterizations of Individual Single-Walled, Double-Walled, and Multi-Walled Carbon Nanotubes. <i>Advanced Functional Materials</i> , 2009, 19, 3918-3925.	14.9	169
12461	High-Performance Multifunctional TiO ₂ Nanowire Ultrafiltration Membrane with a Hierarchical Layer Structure for Water Treatment. <i>Advanced Functional Materials</i> , 2009, 19, 3731-3736.	14.9	227
12462	Specific Functionalization of Carbon Nanotubes for Advanced Polymer Nanocomposites. <i>Advanced Functional Materials</i> , 2009, 19, 3962-3971.	14.9	93
12463	Soft Langmuir-Blodgett Technique for Hard Nanomaterials. <i>Advanced Materials</i> , 2009, 21, 2959-2981.	21.0	219
12464	Site-Selective Deposition of Metal Nanoparticles on Aligned WO ₃ Nanotrees for Super-Hydrophilic Thin Films. <i>Advanced Materials</i> , 2009, 21, 1373-1376.	21.0	107
12465	Fabrication of Continuous and Segmented Polymer/Metal Oxide Nanowires Using Cylindrical Micelles and Block Copolymers as Templates. <i>Advanced Materials</i> , 2009, 21, 1805-1808.	21.0	99
12466	One Nanometer Thin Carbon Nanosheets with Tunable Conductivity and Stiffness. <i>Advanced Materials</i> , 2009, 21, 1233-1237.	21.0	201
12467	Hollow Micro/Nanomaterials with Multilevel Interior Structures. <i>Advanced Materials</i> , 2009, 21, 3621-3638.	21.0	616
12468	Synthesis of Inorganic Nanotubes. <i>Advanced Materials</i> , 2009, 21, 4208-4233.	21.0	229
12469	Graphitic Nanocapsules. <i>Advanced Materials</i> , 2009, 21, 4692-4695.	21.0	0
12470	The Use of Terahertz Spectroscopy as a Sensitive Probe in Discriminating the Electronic Properties of Structurally Similar Multi-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2009, 21, 3953-3957.	21.0	32
12471	Structural and Magnetic Properties of Various Ferromagnetic Nanotubes. <i>Advanced Materials</i> , 2009, 21, 4619-4624.	21.0	109
12472	Synthesis, Structure, and Properties of Single-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2009, 21, 4565-4583.	21.0	123
12473	Shielding Nanowires and Nanotubes with Imogolite: A Route to Nanocables. <i>Advanced Materials</i> , 2009, 21, 4353-4356.	21.0	24
12474	General Rules Governing the Highly Efficient Growth of Carbon Nanotubes. <i>Advanced Materials</i> , 2009, 21, 4811-4815.	21.0	91
12475	Gold(I)-Alkanethiolate Nanotubes. <i>Advanced Materials</i> , 2009, 21, 4962-4965.	21.0	40
12476	Repairing Polymers Using Oscillating Magnetic Field. <i>Advanced Materials</i> , 2009, 21, 5011-5015.	21.0	128

#	ARTICLE	IF	CITATIONS
12477	Hydrogen storage properties of B- and N-doped microporous carbon. AICHE Journal, 2009, 55, 1823-1833.	3.6	60
12478	A time-dependent multiphysics, multiphase modeling framework for carbon nanotube synthesis using chemical vapor deposition. AICHE Journal, 2009, 55, 3152-3167.	3.6	5
12479	Synthesis of multiwalled carbon nanotubes on Al ₂ O ₃ supported Ni catalysts in a fluidized-bed. AICHE Journal, 2010, 56, 102-113.	3.6	8
12483	Facile Functionalization of Multilayer Fullerenes (Carbon Nano-Onions) by Nitrene Chemistry and Grafting from Strategy. Chemistry - A European Journal, 2009, 15, 1389-1396.	3.3	78
12484	Cr(CO) ₃ -Activated Diels-Alder Reaction on Single-Wall Carbon Nanotubes: A DFT Investigation. Chemistry - A European Journal, 2009, 15, 4182-4189.	3.3	8
12485	The Incorporation of Indigo Molecules in Sepiolite Tunnels. Chemistry - A European Journal, 2009, 15, 11326-11332.	3.3	67
12486	Understanding the Effect of Corners: Adsorption of Fluids in Three Different Shapes of Nanopores. Chinese Journal of Chemistry, 2009, 27, 505-512.	4.9	1
12487	Large-scale Hydrothermal Synthesis and Characterization of Size-controlled Lanthanum Hydroxide Nanorods. Chinese Journal of Chemistry, 2009, 27, 920-924.	4.9	3
12488	Preparation of Chiral 4,4'-Biphenylene-silica Nanoribbons. Chinese Journal of Chemistry, 2009, 27, 1860-1862.	4.9	15
12489	Controlled Synthesis of CdClOH Sub-nanocones by Low-temperature Solution Process and Their Transformation into CdS Hollow Sub-nanocones. Chinese Journal of Chemistry, 2009, 27, 2178-2182.	4.9	4
12490	Direct Electrodeposition of Porous Gold Nanowire Arrays for Biosensing Applications. ChemPhysChem, 2009, 10, 436-441.	2.1	79
12491	Preparation of Buckypaper-Copper Composites and Investigation of their Conductivity and Mechanical Properties. ChemPhysChem, 2009, 10, 774-777.	2.1	15
12492	Adsorption of Insulin Peptide on Charged Single-Walled Carbon Nanotubes: Significant Role of Ordered Water Molecules. ChemPhysChem, 2009, 10, 1260-1269.	2.1	22
12493	Applications of the Static Quenching of Rhodamine B by Carbon Nanotubes. ChemPhysChem, 2009, 10, 2251-2255.	2.1	52
12494	Nondestructively Creating Nanojunctions by Combined-Dynamic-Mode Dip-Pen Nanolithography. ChemPhysChem, 2009, 10, 2226-2229.	2.1	11
12495	Diameter and Morphology Dependent Raman Signatures of WS ₂ Nanostructures. ChemPhysChem, 2009, 10, 2221-2225.	2.1	34
12496	A New Class of Boron Nanotube. ChemPhysChem, 2009, 10, 3119-3121.	2.1	19
12497	Controlled synthesis of Cu ₂ O cubic and octahedral nano- and microcrystals. Crystal Research and Technology, 2009, 44, 624-628.	1.3	44

#	ARTICLE	IF	CITATIONS
12498	The Use of Natural Materials in Nanocarbon Synthesis. <i>ChemSusChem</i> , 2009, 2, 1009-1020.	6.8	86
12499	Enhanced Field Electron Emission Properties of Hybrid Carbon Nanotubes Synthesized by RF-PECVD. <i>Chemical Vapor Deposition</i> , 2009, 15, 291-295.	1.3	3
12500	Effects of Deposition Conditions on the Structure and Chemical Properties of Carbon Nanopipettes. <i>Chemical Vapor Deposition</i> , 2009, 15, 204-208.	1.3	21
12501	Elongated Titanate Nanostructures and Their Applications. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 977-997.	2.0	203
12502	Electromagnetic Functional Urchin-Like Hollow Carbon Spheres Carbonized by Polyaniline Micro/Nanostructures Containing FeCl ₃ as a Precursor. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 2860-2864.	2.0	21
12503	Platinum Stacking Interactions in Homoleptic Platinum Polymers. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 3041-3054.	2.0	39
12504	Preparation of Hollow Carbon and Silicon Carbide Fibers with Different Cross-Sections by using Electrospun Fibers as Templates. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4248-4254.	2.0	21
12505	Photoluminescent Metal-Organic Nanotubes via Hydrothermal in Situ Ligand Reactions. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4213-4218.	2.0	24
12506	Carbon Paste Electrodes in Facts, Numbers, and Notes: A Review on the Occasion of the 50 th Years Jubilee of Carbon Paste in Electrochemistry and Electroanalysis. <i>Electroanalysis</i> , 2009, 21, 7-28.	2.9	584
12507	Chemical Adsorption onto an ITO Substrate of Single-Wall Carbon Nanotube Functionalized by Carboxylic Groups as an Efficient Support for Electrocatalyst. <i>Electroanalysis</i> , 2009, 21, 144-149.	2.9	3
12508	A Novel NH ₂ /ITO Ion Implantation Electrode: Preparation, Characterization, and Application in Bioelectrochemistry. <i>Electroanalysis</i> , 2009, 21, 723-729.	2.9	7
12509	Fabrication and Characterization of Carbon Nanotube-Hydroxyapatite Nanocomposite: Application to Anodic Stripping Voltammetric Determination of Cadmium. <i>Electroanalysis</i> , 2009, 21, 944-952.	2.9	41
12510	A New Indirect Electroanalytical Method to Monitor the Contamination of Natural Waters with 4-Nitrophenol Using Multiwall Carbon Nanotubes. <i>Electroanalysis</i> , 2009, 21, 1091-1098.	2.9	49
12511	Electrochemistry and Adsorptive Stripping Voltammetric Determination of Amoxicillin on a Multiwalled Carbon Nanotubes Modified Glassy Carbon Electrode. <i>Electroanalysis</i> , 2009, 21, 1577-1586.	2.9	57
12512	Redox Couple of DNA on Multiwalled Carbon Nanotube Modified Electrode. <i>Electroanalysis</i> , 2009, 21, 1641-1645.	2.9	0
12513	Electrochemical Sensing of NADH and Glutamate Based on Meldola Blue in 1,2-Diaminobenzene and 3,4-Ethylenedioxythiophene Polymer Films. <i>Electroanalysis</i> , 2009, 21, 2099-2108.	2.9	17
12514	Hybrid Materials from Carbon Nanotubes, Nickel Tetrasulfonated Phthalocyanine and Thin Polymer Layers for the Selective Electrochemical Activation of Nitric Oxide in Solution. <i>Electroanalysis</i> , 2009, 21, 2303-2310.	2.9	33
12515	Recent developments in capillary EKC based on carbon nanoparticles. <i>Electrophoresis</i> , 2009, 30, 169-175.	2.4	61

#	ARTICLE	IF	CITATIONS
12516	Carbon nanotube/poly(ethyleneâ€“vinyl acetate) composite electrode for capillary electrophoretic determination of esculin and esculetin in Cortex Fraxini. Electrophoresis, 2009, 30, 3419-3426.	2.4	39
12517	MWCNTs as reinforcing agent to the Hapâ€“Gel nanocomposite for artificial bone grafting. Journal of Biomedical Materials Research - Part A, 2010, 93A, 886-896.	4.0	8
12518	Nanoparticles as tools to study and control stem cells. Journal of Cellular Biochemistry, 2009, 108, 746-752.	2.6	62
12519	On the use of symmetry in the <i>ab initio</i> quantum mechanical simulation of nanotubes and related materials. Journal of Computational Chemistry, 2010, 31, 855-862.	3.3	48
12520	Large Deformable Multiwalled Carbon Nanotube Coreâ€“Shell Structure on Polystyrene Beads. Macromolecular Rapid Communications, 2009, 30, 52-56.	3.9	11
12521	Highâ€“frequency transmission through metallic singleâ€“walled carbon nanotube interconnects. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2009, 22, 369-378.	1.9	6
12522	Acid modified bambooâ€“type carbon nanotubes and cupâ€“stackedâ€“type carbon nanofibres as adsorbent materials: cadmium removal from aqueous solution. Journal of Chemical Technology and Biotechnology, 2009, 84, 519-524.	3.2	37
12523	Characterisation of carbonaceous materials using Raman spectroscopy: a comparison of carbon nanotube filters, singleâ€“and multiâ€“walled nanotubes, graphitised porous carbon and graphite. Journal of Raman Spectroscopy, 2009, 40, 344-353.	2.5	150
12525	Nanocarbon materials: probing the curvature and topology effects using phonon spectra. Journal of Raman Spectroscopy, 2009, 40, 1127-1137.	2.5	50
12529	Layerâ€“byâ€“Layer Deposited Titanateâ€“Based Nanotubes for Solar Photocatalytic Removal of Chemical Warfare Agents from Textiles. Angewandte Chemie - International Edition, 2009, 48, 161-164.	13.8	80
12530	1,1,8,8â€“Tetramethyl[8](2,11)teropyrenophane: Half of an Aromatic Belt and a Segment of an (8,8) Singleâ€“Walled Carbon Nanotube. Angewandte Chemie - International Edition, 2009, 48, 5487-5491.	13.8	113
12531	Reversible Scrolling of Twoâ€“Dimensional Sheets from the Selfâ€“Assembly of Laterally Grafted Amphiphilic Rods. Angewandte Chemie - International Edition, 2009, 48, 3657-3660.	13.8	122
12532	Growth of Singleâ€“Walled Carbon Nanotubes without a Metal Catalystâ€“A Surprising Discovery. Angewandte Chemie - International Edition, 2009, 48, 5403-5404.	13.8	38
12533	Selective Synthesis of [12]Cycloparaphenylene. Angewandte Chemie - International Edition, 2009, 48, 6112-6116.	13.8	447
12534	Selfâ€“Assembled Arrays of Singleâ€“Walled Metalâ€“Organic Nanotubes. Angewandte Chemie - International Edition, 2009, 48, 9461-9464.	13.8	118
12535	An indicator of research front activity: Measuring intellectual organization as uncertainty reduction in document sets. Journal of the Association for Information Science and Technology, 2009, 60, 2488-2498.	2.6	24
12536	Wedge test of carbon-nanotube-reinforced epoxy adhesive joints. Journal of Applied Polymer Science, 2009, 111, 2957-2962.	2.6	36
12537	Preparation and characterization of poly(vinylidene fluoride) nanocomposites containing multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2009, 113, 644-650.	2.6	49

#	ARTICLE	IF	CITATIONS
12538	Processing and properties of carbon nanotube/poly(methyl methacrylate) composite films. Journal of Applied Polymer Science, 2009, 112, 142-156.	2.6	45
12539	Bâ€staged epoxy/singleâ€walled carbon nanotube nanocomposite thin films for composite reinforcement. Journal of Applied Polymer Science, 2009, 112, 290-298.	2.6	34
12540	Thermal degradation behavior of styreneâ€butadieneâ€styrene triâ€block copolymer/multiwalled carbon nanotubes composites. Journal of Applied Polymer Science, 2009, 112, 524-531.	2.6	33
12541	Unlubricated rolling wear of HNBR/FKM/MWCNT compounds against steel. Journal of Applied Polymer Science, 2009, 112, 1461-1470.	2.6	20
12542	Enhancement of the surface and bulk mechanical properties of polystyrene through the incorporation of raw multiwalled nanotubes with the twinâ€screw mixing technique. Journal of Applied Polymer Science, 2009, 113, 992-999.	2.6	16
12543	A general synthesis approach toward halloysiteâ€based composite nanotube. Journal of Applied Polymer Science, 2009, 112, 2647-2655.	2.6	48
12544	Transferring polypropylene into carbon nanotubes via combustion of PP/zeolites (Hâ€ZSMâ€5 or Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422	2.6	17
12545	Synthesis and properties of homogeneously dispersed polyamide 6/MWNTs nanocomposites via simultaneous <i>in situ</i> anionic ringâ€opening polymerization and compatibilization. Journal of Applied Polymer Science, 2009, 112, 3620-3626.	2.6	19
12546	A novel hydrogen peroxide sensor based on multiwalled carbon nanotubes/poly(pyrocatechol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 422	2.6	18
12547	Influence of processing conditions in smallâ€scale melt mixing and compression molding on the resistivity and morphology of polycarbonateâ€MWNT composites. Journal of Applied Polymer Science, 2009, 112, 3494-3509.	2.6	135
12548	The enhanced mechanical properties of a covalently bound chitosanâ€multiwalled carbon nanotube nanocomposite. Journal of Applied Polymer Science, 2009, 113, 466-472.	2.6	72
12549	Facile way to disperse singleâ€walled carbon nanotubes using a noncovalent method and their reinforcing effect in poly(methyl methacrylate) composites. Journal of Applied Polymer Science, 2009, 114, 3414-3419.	2.6	15
12550	Aminofunctionalization effect on the microtribological behavior of carbon nanotube/bismaleimide nanocomposites. Journal of Applied Polymer Science, 2009, 113, 3484-3491.	2.6	11
12551	Fabrication and characterization of solution cast MWNTs/PEI nanocomposites. Journal of Applied Polymer Science, 2009, 113, 1879-1886.	2.6	25
12552	Preparation and characterization of nylon610/functionalized multiwalled carbon nanotubes composites. Journal of Applied Polymer Science, 2009, 113, 2805-2812.	2.6	10
12553	A novel route for wellâ€defined polystyreneâ€grafted multiwalled carbon nanotubes via the radical coupling reaction. Journal of Applied Polymer Science, 2009, 114, 1914-1920.	2.6	18
12554	Electrospinning of poly(vinyl pyrrolidone): Effects of solvents on electrospinnability for the fabrication of poly(<i>p</i>-â€phenylene vinylene) and TiO₂ nanofibers. Journal of Applied Polymer Science, 2009, 114, 2777-2791.	2.6	90
12555	Synthesis and characterization of poly(trimethylene terephthalate) nanocomposites incorporating multiâ€walled carbon nanotubes. Journal of Applied Polymer Science, 2009, 114, 1633-1642.	2.6	32

#	ARTICLE	IF	CITATIONS
12556	Conductive plastics with hybrid materials. Journal of Applied Polymer Science, 2009, 114, 1494-1502.	2.6	9
12557	Covalent functionalization of multiwalled carbon nanotubes with polybutadiene. Journal of Applied Polymer Science, 2010, 116, 1272-1277.	2.6	6
12558	Morphologies and electrical properties of electrospun poly[(<i>R</i>)3- α -hydroxybutyrate- <i>co</i> -(<i>R</i>)3- α -hydroxyvalerate]/ multiwalled carbon nanotube fibers. Journal of Applied Polymer Science, 2010, 116, 1030-1035.	2.6	11
12559	Tailored carbon nanotubes for tissue engineering applications. Biotechnology Progress, 2009, 25, 709-721.	2.6	132
12560	Molecular mechanics in the context of the finite element method. International Journal for Numerical Methods in Engineering, 2009, 77, 969-997.	2.8	62
12561	A multiscale framework for computational nanomechanics: Application to the modeling of carbon nanotubes. International Journal for Numerical Methods in Engineering, 2009, 78, 863-882.	2.8	9
12562	Application of HPM to the nonlinear vibrations of multiwalled carbon nanotubes. Numerical Methods for Partial Differential Equations, 2009, 26, NA-NA.	3.6	7
12563	Electrochemical oxidation and determination of ceftriaxone on a glassy carbon and carbon-nanotube-modified glassy carbon electrodes. Journal of Solid State Electrochemistry, 2009, 13, 407-416.	2.5	60
12564	Surface chemistry and electronics of semiconductorâ€“nanosystem junctions I: metal-nanoemitter-based solar cells. Journal of Solid State Electrochemistry, 2009, 13, 185-194.	2.5	8
12565	Electrochemistry at cobalt(II)tetrasulfophthalocyanine-multi-walled carbon nanotubes modified glassy carbon electrode: a sensing platform for efficient suppression of ascorbic acid in the presence of epinephrine. Journal of Solid State Electrochemistry, 2009, 13, 1367-1379.	2.5	41
12566	Modification of carbon paste with congo red supported on multi-walled carbon nanotube for voltammetric determination of uric acid in the presence of ascorbic acid. Journal of Solid State Electrochemistry, 2009, 13, 1567-1575.	2.5	24
12567	Characterization and sensing properties of a carbon nanotube paste electrode for acetaminophen. Mikrochimica Acta, 2009, 167, 129-133.	5.0	22
12568	B24N24 nanocages: a GIAO density functional theory study of ¹⁴ N and ¹¹ B nuclear magnetic shielding and electric field gradient tensors. Monatshefte f�r Chemie, 2009, 140, 255-263.	1.8	17
12569	Fusing C60 units without Stoneâ€“Wales bond rotations. Monatshefte f�r Chemie, 2009, 140, 839-843.	1.8	0
12570	Calculation of chemical shielding in C-doped zigzag BN nanotubes. Monatshefte f�r Chemie, 2009, 140, 1275-1278.	1.8	34
12571	Macroscopic invisible cables. Microsystem Technologies, 2009, 15, 175-180.	2.0	0
12572	Carbon-based nanoprobe for cell biology. Microfluidics and Nanofluidics, 2009, 7, 439-450.	2.2	15
12573	Behavior of ethylene and ethane within single-walled carbon nanotubes. 1-Adsorption and equilibrium properties. Adsorption, 2009, 15, 1-12.	3.0	25

#	ARTICLE	IF	CITATIONS
12574	Poly(aniline-co-p-phenylenediamine)/MWCNT nanocomposites via in situ microemulsion: synthesis and characterization. <i>Colloid and Polymer Science</i> , 2009, 287, 1273-1280.	2.1	32
12575	Rheological properties and percolation in suspensions of multiwalled carbon nanotubes in polycarbonate. <i>Rheologica Acta</i> , 2009, 48, 943-959.	2.4	156
12576	Molecular dynamics study of effects of sp ³ interwall bridging upon torsional behavior of double-walled carbon nanotube. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 682-685.	2.1	17
12577	On the compressive response of carbon nanotube tangles. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3169-3173.	2.1	11
12578	Inorganic molecular wires: Physical and functional properties of transition metal chalcogenide polymers. <i>Progress in Materials Science</i> , 2009, 54, 309-350.	32.8	71
12579	Crystallization behavior and thermal property of biodegradable poly(butylene succinate)/functional multi-walled carbon nanotubes nanocomposite. <i>Polymer Degradation and Stability</i> , 2009, 94, 632-637.	5.8	101
12580	Magnetic field alignment and electrical properties of solution cast PET/carbon nanotube composite films. <i>Polymer</i> , 2009, 50, 898-904.	3.8	122
12581	Carbon nanotube induced polymer crystallization: The formation of nanohybrid shish/kebabs. <i>Polymer</i> , 2009, 50, 953-965.	3.8	234
12582	Graphene-based quantum electronics. <i>Progress in Quantum Electronics</i> , 2009, 33, 165-214.	7.0	103
12583	Modification of Working Electrode Surface with Carbon Nanotubes as an Electrochemical Sensor for Estimation of Melting Points of DNA. <i>Procedia Chemistry</i> , 2009, 1, 1011-1014.	0.7	4
12584	X-ray waveguiding for micro- and nanofocusing. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2009, 64, 747-752.	2.9	2
12585	Self-assembled microstructure of carbon nanotubes for enzymeless glucose sensor. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 444-450.	7.8	92
12586	Adsorption of glucose oxidase at platinum-multiwalled carbon nanotube-alumina-coated silica nanocomposite for amperometric glucose biosensor. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 592-598.	7.8	72
12587	Preparation of Prussian blue@Pt nanoparticles/carbon nanotubes composite material for efficient determination of H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2009, 143, 373-380.	7.8	66
12588	Applications of carbon materials in photovoltaic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1461-1470.	6.2	318
12589	SiC nanotubes arrays fabricated by sputtering using electrospun PVP nanofiber as templates. <i>Surface and Coatings Technology</i> , 2009, 203, 3219-3223.	4.8	43
12590	Growth of carbon nanofiber coatings on nickel thin films on fused silica by catalytic thermal chemical vapor deposition: On the use of titanium, tungsten and tantalum as adhesion layers. <i>Surface and Coatings Technology</i> , 2009, 203, 3435-3441.	4.8	28
12591	Molecular dynamics simulation of nucleation of KBr clusters confined within armchair single-walled carbon nanotubes. <i>Computational and Theoretical Chemistry</i> , 2009, 896, 6-11.	1.5	12

#	ARTICLE	IF	CITATIONS
12592	Effect of nanotube length on the aromaticity and CSI parameters of finite length single-wall zigzag and armchair boron nitride nanotubes. Computational and Theoretical Chemistry, 2009, 906, 63-67.	1.5	4
12593	A DFT study of the nuclear magnetic response of the zigzag AlN-BN and BN-AlN nanotube junctions. Computational and Theoretical Chemistry, 2009, 913, 126-130.	1.5	15
12594	Vibrational analysis of single-walled carbon nanotubes using beam element. Thin-Walled Structures, 2009, 47, 646-652.	5.3	69
12595	Growth kinetics of nanometric dendrites in metal-carbon thin films. Acta Materialia, 2009, 57, 4948-4956.	7.9	10
12596	Mechanical and in vitro biological performances of hydroxyapatite-carbon nanotube composite coatings deposited on Ti by aerosol deposition. Acta Biomaterialia, 2009, 5, 3205-3214.	8.3	148
12597	Heterogeneous atoms in laser-induced synthesis of carbon black. Applied Surface Science, 2009, 255, 5511-5514.	6.1	3
12598	Computational analysis of effect of modification on the interfacial characteristics of a carbon nanotube-polyethylene composite system. Applied Surface Science, 2009, 255, 3534-3543.	6.1	127
12599	Field emission properties of electrophoretic deposition carbon nanotubes film. Applied Surface Science, 2009, 255, 7618-7622.	6.1	22
12600	Position-restricted growth of carbon nanofiber wiring between needle-shaped carbon pairs and various shaped carbons by Ar-ion laser-irradiated thermal decomposition in ethanol. Applied Surface Science, 2009, 255, 9655-9658.	6.1	2
12601	Synthesis, characterization and cytotoxicity of surface amino-functionalized water-dispersible multi-walled carbon nanotubes. Applied Surface Science, 2009, 255, 8067-8075.	6.1	150
12602	Surfactant-assisted reflux synthesis, characterization and formation mechanism of carbon nanotube/europium hydroxide core-shell nanowires. Applied Surface Science, 2009, 255, 8270-8275.	6.1	16
12603	Growth of carbon nanotubes on stainless steel substrates by DC-PECVD. Applied Surface Science, 2009, 256, 1065-1068.	6.1	36
12604	Growth of well-aligned Bi nanowire on Ag(111). Applied Surface Science, 2009, 256, 460-464.	6.1	26
12605	Synthesis of a composite consisting of carbon nanotubes and graphite shell-encapsulated cobalt nanoparticles using plasma-enhanced chemical vapor deposition. Applied Surface Science, 2009, 256, 1486-1491.	6.1	6
12606	Layer-by-layer assembled carbon nanotube films with molecule recognition function and lower capacitive background current. Bioelectrochemistry, 2009, 74, 289-294.	4.6	13
12607	Hydrogen peroxide biosensor based on direct electrochemistry of soybean peroxidase immobilized on single-walled carbon nanohorn modified electrode. Biosensors and Bioelectronics, 2009, 24, 1159-1163.	10.1	64
12608	d-Fructose detection based on the direct heterogeneous electron transfer reaction of fructose dehydrogenase adsorbed onto multi-walled carbon nanotubes synthesized on platinum electrode. Biosensors and Bioelectronics, 2009, 24, 1184-1188.	10.1	76
12609	Modification of carbon nanotubes with redox hydrogel: Improvement of amperometric sensing sensitivity for redox enzymes. Biosensors and Bioelectronics, 2009, 24, 1723-1729.	10.1	38

#	ARTICLE	IF	CITATIONS
12610	Fast picomolar selective detection of bisphenol A in water using a carbon nanotube field effect transistor functionalized with estrogen receptor- α . Biosensors and Bioelectronics, 2009, 24, 2842-2846.	10.1	60
12611	Multi-walled carbon nanotubes with immobilised cobalt nanoparticle for modification of glassy carbon electrode: Application to sensitive voltammetric determination of thioridazine. Biosensors and Bioelectronics, 2009, 24, 3235-3241.	10.1	95
12612	Nanoparticles in cellular drug delivery. Bioorganic and Medicinal Chemistry, 2009, 17, 2950-2962.	3.0	744
12613	Development of scanning field emission current microscopy. Current Applied Physics, 2009, 9, e29-e32.	2.4	1
12614	Characterizations of Ag-catalyzed ZnO nanostructures prepared by vapor-phase solid mechanism. Current Applied Physics, 2009, 9, e180-e184.	2.4	5
12615	Transition metal and nitrogen doped carbon nanostructures. Coordination Chemistry Reviews, 2009, 253, 2852-2871.	18.8	88
12616	The comparison between the polyol process and the impregnation method for the preparation of CNT-supported nanoscale Cu catalyst. Chemical Engineering Journal, 2009, 145, 461-467.	12.7	25
12617	Ni-based supported catalysts from layered double hydroxides: Tunable microstructure and controlled property for the synthesis of carbon nanotubes. Chemical Engineering Journal, 2009, 155, 474-482.	12.7	44
12618	Statistical mechanical lattice models of endohedral and exohedral xenon adsorption in carbon nanotubes and comparison with Monte-Carlo simulations. Chemical Physics, 2009, 355, 99-102.	1.9	4
12619	The effects of geometrical parameters on force distributions and mechanics of carbon nanotubes: A critical study. Communications in Nonlinear Science and Numerical Simulation, 2009, 14, 4246-4263.	3.3	30
12620	Voltammetric oxidation and determination of cinnarizine at glassy carbon electrode modified with multi-walled carbon nanotubes. Colloids and Surfaces B: Biointerfaces, 2009, 72, 259-265.	5.0	43
12621	Simultaneous determination of hydroquinone and catechol at PASA/MWNTs composite film modified glassy carbon electrode. Colloids and Surfaces B: Biointerfaces, 2009, 74, 317-321.	5.0	201
12622	A multi-objective optimization approach for design of blast-resistant composite laminates using carbon nanotubes. Composites Part B: Engineering, 2009, 40, 522-529.	12.0	19
12623	Young's moduli of functionalized single-wall carbon nanotubes under tensile loading. Composites Science and Technology, 2009, 69, 169-175.	7.8	58
12624	Masterbatch-based multi-walled carbon nanotube filled polypropylene nanocomposites: Assessment of rheological and mechanical properties. Composites Science and Technology, 2009, 69, 1756-1763.	7.8	341
12625	Templated synthesis of polyaniline nanotubes with Pd nanoparticles attached onto their inner walls and its catalytic activity on the reduction of p-nitroanilinum. Composites Science and Technology, 2009, 69, 561-566.	7.8	35
12626	Effect of multi-walled carbon nanotubes on the crystallization and hydrolytic degradation of biodegradable poly(L-lactide). Composites Science and Technology, 2009, 69, 627-632.	7.8	91
12627	Polymethylmethacrylate-carbon nanotubes composites prepared by microemulsion polymerization for gas sensor. Composites Science and Technology, 2009, 69, 1156-1159.	7.8	53

#	ARTICLE	IF	CITATIONS
12628	Selective synthesis of carbon nanotubes and nanocapsules using naphthalene pyrolysis assisted with ferrocene. Journal of Industrial and Engineering Chemistry, 2009, 15, 375-380.	5.8	22
12629	Fabrication of mesoporous and high specific surface area lanthanum carbide-carbon nanotube composites. Journal of Nuclear Materials, 2009, 385, 582-590.	2.7	17
12630	Electrospun nanofibers of NiO/SiO ₂ composite. Journal of Physics and Chemistry of Solids, 2009, 70, 1374-1377.	4.0	14
12631	A facile method to synthesize well-dispersed PtRuMoOx and PtRuWOx nanoparticles and their electrocatalytic activities for methanol oxidation. Journal of Power Sources, 2009, 192, 285-290.	7.8	25
12632	Utilization of iron oxide film obtained by CVD process as catalyst to carbon nanotubes growth. Journal of Solid State Chemistry, 2009, 182, 2867-2872.	2.9	8
12633	Enhancement mechanism of field electron emission properties in hybrid carbon nanotubes with tree- and wing-like features. Journal of Solid State Chemistry, 2009, 182, 3393-3398.	2.9	6
12634	Synthesis of carbon nanotubes on diamond-like carbon by the hot filament plasma-enhanced chemical vapor deposition method. Micron, 2009, 40, 612-616.	2.2	5
12635	Investigation of the mechanical properties of the Ni-CNTs coated copper composite materials: Experiments and modeling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 500, 182-187.	5.6	16
12636	Preparation, characterization and photocatalytic properties of ZnO-coated multi-walled carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 163, 194-198.	3.5	93
12637	Preparation temperature effect on the synthesis of various carbon nanostructures. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 164, 140-150.	3.5	12
12638	Surface and bulk plasmon excitations in carbon nanotubes. Comparison with the hydrodynamic model. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 415-418.	1.4	9
12639	Angular distributions of high energy protons channeled in long (10,10) single-wall carbon nanotubes. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2365-2368.	1.4	8
12640	Channeling of protons in double-walled carbon nanotubes in kinetic model. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 3133-3136.	1.4	3
12641	Two-level self-assembly from nanowires to microrods based on a heterotriangulene derivative. Chemical Physics Letters, 2009, 479, 117-119.	2.6	13
12642	Synthesis of carbon nanotubes by pyrolysis of solid Ni(dmg) ₂ . Electrochimica Acta, 2009, 54, 2466-2472.	5.2	11
12643	Comparison of the electrocatalytic performance of PtRu nanoparticles supported on multi-walled carbon nanotubes with different lengths and diameters. Electrochimica Acta, 2009, 54, 1277-1285.	5.2	32
12644	Aligned carbon nanotube thin films for DNA electrochemical sensing. Electrochimica Acta, 2009, 54, 5035-5041.	5.2	52
12645	Electrochemistry and electrocatalysis of hemoglobin on multi-walled carbon nanotubes modified carbon ionic liquid electrode with hydrophilic EMIMBF ₄ as modifier. Electrochimica Acta, 2009, 54, 4141-4148.	5.2	80

#	ARTICLE	IF	CITATIONS
12646	Structure and magnetic properties of Fe _{1-x} Cox nanowires in self-assembled arrays. <i>Electrochimica Acta</i> , 2009, 54, 6543-6547.	5.2	26
12647	Electrochemical sensing platform based on tris(2,2'-bipyridyl)cobalt(III) and multiwall carbon nanotubes/Nafion composite for immunoassay of carcinoma antigen-125. <i>Electrochimica Acta</i> , 2009, 54, 7242-7247.	5.2	47
12648	Naphthalene as an alternative carbon source for pyrolytic synthesis of carbon nanostructures. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 86, 386-390.	5.5	25
12649	Carbon Nanotube Bundle Array Cold Cathodes for THz Vacuum Tube Sources. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2009, 30, 1338.	2.2	31
12650	A modified composite film electrode of polyoxometalate/carbon nanotubes and its electrocatalytic reduction. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 647-652.	2.9	24
12651	Poly(taurine)/MWNT-modified glassy carbon electrodes for the detection of acetaminophen. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 785-790.	2.9	70
12652	Effects of capacitance and resistance of MWNT-film coated electrodes on voltammetric detection of acetaminophen. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1145-1151.	2.9	51
12653	Electrocatalytic oxygen reduction on single-walled carbon nanotubes supported Pt alloys nanoparticles in acidic and alkaline conditions. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 1369-1377.	2.9	13
12654	Electrochemical behavior of brilliant cresyl violet at multi-wall carbon nanotubes/Nafion modified glassy carbon electrode and its interaction with cyclodextrins. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2009, 64, 115-120.	1.6	2
12655	Processing and characterization of MWCNT reinforced aluminum matrix composites. <i>Journal of Materials Science</i> , 2009, 44, 1750-1756.	3.7	94
12656	Synergistic effects in network formation and electrical properties of hybrid epoxy nanocomposites containing multi-wall carbon nanotubes and carbon black. <i>Journal of Materials Science</i> , 2009, 44, 3241-3247.	3.7	168
12657	Multiwalled carbon nanotubes functionalized with 7-octenyltrichlorosilane and n-octyltrichlorosilane: dispersion in Sylgard®184 silicone and Young's modulus. <i>Journal of Materials Science</i> , 2009, 44, 3476-3482.	3.7	24
12658	Growth and characterization of bamboo-like multiwalled carbon nanotubes over Cu/Al ₂ O ₃ catalyst. <i>Journal of Materials Science</i> , 2009, 44, 4040-4046.	3.7	11
12659	The fabrication of a MWNTs/polymer composite chemoresistive sensor array to discriminate between chemical toxic agents. <i>Journal of Materials Science</i> , 2009, 44, 5485-5493.	3.7	43
12660	Enhanced and stable electron emission of carbon nanotube emitter arrays by post-growth hydrofluoric acid treatment. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 120-124.	2.2	19
12661	Einstein relation in carbon nanotubes and quantum wires of nonlinear optical and optoelectronic materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 185-189.	2.2	3
12662	Selective growth of well-aligned carbon nanotubes by APCVD. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 407-411.	2.2	3
12663	Synthesis and characterization of HCl doped polyaniline grafted multi-walled carbon nanotubes core-shell nano-composite. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 517-527.	2.2	19

#	ARTICLE	IF	CITATIONS
12664	Fabrication, characterization and vapor-induced electroresponsive behavior of P(St-alt-MA)/MWCNT conductive nanocomposite films. Journal of Materials Science: Materials in Electronics, 2009, 20, 761-770.	2.2	6
12665	Preparation and characterization of soluble and DBSA doped polyaniline grafted multi-walled carbon nanotubes nano-composite. Journal of Materials Science: Materials in Electronics, 2009, 20, 891-898.	2.2	16
12666	Controllable synthesis and luminescence property of CePO ₄ :Tb nanorods. Journal of Materials Science: Materials in Electronics, 2009, 20, 899-904.	2.2	10
12667	Sorption of Pu in various oxidation states onto multiwalled carbon nanotubes. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 603-608.	1.5	32
12668	Thermal hazard evaluation of carbon nanotubes with sulfuric acid by DSC. Journal of Thermal Analysis and Calorimetry, 2009, 95, 639-643.	3.6	10
12669	Analytical and numerical techniques for predicting the interfacial stresses of wavy carbon nanotube/polymer composites. Mechanics of Composite Materials, 2009, 45, 207-212.	1.4	2
12670	Theoretical explorations on the armchair BN nanotube with defects. Journal of Nanoparticle Research, 2009, 11, 395-403.	1.9	10
12671	Realization, characterization and functionalization of lipidic wrapped carbon nanotubes. Journal of Nanoparticle Research, 2009, 11, 477-484.	1.9	13
12672	Synthesis of quantum-confined CdS nanotubes. Journal of Nanoparticle Research, 2009, 11, 467-475.	1.9	10
12673	Copper sulfide nanotubes: facile, large-scale synthesis, and application in photodegradation. Journal of Nanoparticle Research, 2009, 11, 731-736.	1.9	50
12674	Interactions of Fe atom with single wall armchair SiC nanotubes: an ab initio study. Journal of Nanoparticle Research, 2009, 11, 1405-1420.	1.9	30
12675	Facile graft polystyrene onto multi-walled carbon nanotubes via in situ thermo-induced radical polymerization. Journal of Nanoparticle Research, 2009, 11, 1011-1016.	1.9	18
12676	Preparation and Characterization of TiO ₂ Coated Multi-walled Carbon Nanotube-supported Pd and its Catalytic Performance in the Asymmetric Hydrogenation of α,β -Unsaturated Carboxylic Acids. Catalysis Letters, 2009, 132, 370-376.	2.6	19
12677	High Catalytic Activity of Nitrogen-Containing Carbon from Molecular Sieves in Fine Chemistry. Catalysis Letters, 2009, 131, 135-145.	2.6	20
12678	Multi-Walled Carbon Nanotubes as a Novel Promoter of Catalysts for CO/CO ₂ Hydrogenation to Alcohols. Catalysis Surveys From Asia, 2009, 13, 41-58.	2.6	55
12679	Carbon nanofibers supported nickel catalyst for liquid phase hydrogenation of benzene with high activity and selectivity. Reaction Kinetics and Catalysis Letters, 2009, 97, 101-108.	0.6	9
12680	CVD synthesis of spiral carbon nanotubes over asymmetric catalytic particles. Reaction Kinetics and Catalysis Letters, 2009, 96, 397-404.	0.6	9
12681	Compatibility of classical and quantum shortrange order descriptions in nanodimensional molecular systems. Russian Physics Journal, 2009, 52, 1153-1163.	0.4	0

#	ARTICLE	IF	CITATIONS
12682	Preparation of Carbon Nanotube-Supported Pt Metal Particles Covered with Silica Layers and Their Application to Electrocatalysts for PEMFC. Topics in Catalysis, 2009, 52, 731-738.	2.8	20
12683	Abatement of NO Using Rhodium Catalysts Supported on Carbon Nanotubes: Carbon as Support Material and Reducing Agent. Topics in Catalysis, 2009, 52, 1752-1756.	2.8	17
12684	New Preparation Method of Nanocrystalline Materials by Impulse Plasma in Liquid. Journal of Cluster Science, 2009, 20, 37-49.	3.3	8
12685	Nanorods of Metallic Bismuth and Antimony by the Impulse Plasma in Liquid. Journal of Cluster Science, 2009, 20, 153-158.	3.3	3
12686	Quantum Fluids in Nanotubes: A Quantum Monte Carlo Approach. Journal of Low Temperature Physics, 2009, 157, 296-323.	1.4	7
12687	Condensation of a Quasi-one Dimensional Gas Within a Single Wall Carbon Nanotube. Journal of Low Temperature Physics, 2009, 157, 374-381.	1.4	5
12688	Hosoya polynomials of TUC4C8(S) nanotubes. Journal of Mathematical Chemistry, 2009, 45, 488-502.	1.5	11
12689	Zhang's Zhang polynomials of cyclo-polyphenacenes. Journal of Mathematical Chemistry, 2009, 46, 347-362.	1.5	7
12690	Mechanics of nanoscale orbiting systems. Journal of Mathematical Chemistry, 2009, 46, 1271-1291.	1.5	4
12691	Carbon Nanotube Sensing Skins for Spatial Strain and Impact Damage Identification. Journal of Nondestructive Evaluation, 2009, 28, 9-25.	2.4	213
12692	Multiwalled carbon nanotubes synthesis with high yield utilizing Pt/Al-MCM-41 via catalytic chemical vapour deposition technique. Journal of Porous Materials, 2009, 16, 459-464.	2.6	7
12693	Direct synthesis of vanadium substituted mesoporous MCM-41 molecular sieves: a systematic study for the growth of SWNTs. Journal of Porous Materials, 2009, 16, 657-665.	2.6	8
12694	Carbon nanotube synthesis from propane decomposition on a pre-treated Ni overlayer. Bulletin of Materials Science, 2009, 32, 135-140.	1.7	8
12695	The mechanical characterization of carbon-nanotube-reinforced polymer-matrix nanocomposites: An unfolding story of interface. Jom, 2009, 61, 32-37.	1.9	8
12696	Theoretical study of the P-Ylide reaction in the carbon nanotube. Science in China Series B: Chemistry, 2009, 52, 1969-1972.	0.8	3
12697	First-principles calculations on the structure and electronic properties of boron doping zigzag single-walled carbon nanotubes. Science in China Series D: Earth Sciences, 2009, 52, 1219-1224.	0.9	6
12698	Light emission of double-walled carbon nanotube filaments doped with yttrium and europium. Science in China Series D: Earth Sciences, 2009, 52, 252-255.	0.9	1
12699	Microwave absorbing properties and magnetic properties of different carbon nanotubes. Science in China Series D: Earth Sciences, 2009, 52, 227-231.	0.9	31

#	ARTICLE	IF	CITATIONS
12700	The oscillatory damped behavior of double wall carbon nanotube oscillators in gaseous environment. Science in China Series D: Earth Sciences, 2009, 52, 916-921.	0.9	2
12701	Production and mechanical properties of aligned multi-walled carbon nanotubes-M140 composites. Science in China Series D: Earth Sciences, 2009, 52, 2119-2127.	0.9	18
12702	Investigation on the thermal conductivity of HDPE/MWCNT composites by laser pulse method. Science in China Series D: Earth Sciences, 2009, 52, 2767-2772.	0.9	6
12703	Growth of Ag nanocrystals on multiwalled carbon nanotubes and Ag-carbon nanotube interaction. Science in China Series D: Earth Sciences, 2009, 52, 3215-3218.	0.9	11
12704	Effects of phosphorus-doping upon the electronic structures of single wall carbon nanotubes. Science in China Series G: Physics, Mechanics and Astronomy, 2009, 52, 1139-1145.	0.2	10
12705	CNTs/mesostructured silica core-shell nanowires via interfacial surfactant templating. Science Bulletin, 2009, 54, 516-520.	9.0	4
12706	Ten yearsâ€™ venturing in ZnO nanostructures: from discovery to scientific understanding and to technology applications. Science Bulletin, 2009, 54, 4021-4034.	1.7	108
12707	Studies on structural defects in carbon nanotubes. Frontiers of Physics in China, 2009, 4, 297-306.	1.0	16
12708	Functionalization of BN nanotubes with free radicals: electroaffinity-independent configuration and band structure engineering. Frontiers of Physics in China, 2009, 4, 378-382.	1.0	5
12709	Simulation of electronic structure of nanomaterials by central insertion scheme. Frontiers of Physics in China, 2009, 4, 307-314.	1.0	0
12710	Sidewall fluorination and hydrogenation of single-walled carbon nanotubes: a density functional theory study. Frontiers of Physics in China, 2009, 4, 393-397.	1.0	1
12711	Structural and vibrational properties of deformed carbon nanotubes. Frontiers of Physics in China, 2009, 4, 280-296.	1.0	3
12712	Exploring at nanoscale from first principles. Frontiers of Physics in China, 2009, 4, 256-268.	1.0	1
12713	Synthesis of aligned carbon nanotubes by thermal chemical vapor deposition. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 15-19.	1.0	5
12714	Synthesis of Nanostructured Carbon Materials on a Tin Thin Film Using Phenol Formaldehyde as the Carbon Source. Journal of Electronic Materials, 2009, 38, 193-199.	2.2	3
12715	In situ Polymerization of Multi-Walled Carbon Nanotube/Nylon-6 Nanocomposites and Their Electrospun Nanofibers. Nanoscale Research Letters, 2009, 4, 39-46.	5.7	57
12716	Effect of Growth Temperature on Bamboo-shaped Carbonâ€“Nitrogen (Câ€“N) Nanotubes Synthesized Using Ferrocene Acetonitrile Precursor. Nanoscale Research Letters, 2009, 4, 197-203.	5.7	67
12717	High-yield Synthesis of Multiwalled Carbon Nanotube by Mechanochemical Method. Nanoscale Research Letters, 2009, 4, 296-302.	5.7	19

#	ARTICLE	IF	CITATIONS
12718	Crystalline Gaq3Nanostructures: Preparation, Thermal Property and Spectroscopy Characterization. Nanoscale Research Letters, 2009, 4, 820-827.	5.7	14
12719	One-Dimensional Nanostructures and Devices of IIâ€“V Group Semiconductors. Nanoscale Research Letters, 2009, 4, 779-788.	5.7	37
12720	Nanocapsule for Safe and Effective Methane Storage. Nanoscale Research Letters, 2009, 4, 1267-70.	5.7	12
12721	Mesomorphic Lamella Rolling of Au in Vacuum. Nanoscale Research Letters, 2009, 4, 1286-96.	5.7	3
12722	Structural mechanics approach for Carbon Nanotubes. KSCE Journal of Civil Engineering, 2009, 13, 347-358.	1.9	2
12723	Conductivity of carbon nanofiber/polypyrrole conducting nanocomposites. Journal of Mechanical Science and Technology, 2009, 23, 75-80.	1.5	6
12724	Photo-mechanical actuation of carbon nanotubes: mechanisms and applications in micro and nano-devices. Journal of Micro-Nano Mechatronics, 2009, 5, 29-41.	1.0	22
12725	Carbon nanotubes in biology and medicine: In vitro and in vivo detection, imaging and drug delivery. Nano Research, 2009, 2, 85-120.	10.4	1,515
12726	Bi2S3 nanotubes: Facile synthesis and growth mechanism. Nano Research, 2009, 2, 130-134.	10.4	76
12727	Direct growth of enclosed ZnO nanotubes. Nano Research, 2009, 2, 201-209.	10.4	71
12728	Design of a carbon nanotube/magnetic nanoparticle-based peroxidase-like nanocomplex and its application for highly efficient catalytic oxidation of phenols. Nano Research, 2009, 2, 617-623.	10.4	133
12729	Functionalization of single- and multi-walled carbon nanotubes with cationic amphiphiles for plasmid DNA complexation and transfection. Nano Research, 2009, 2, 638-647.	10.4	18
12730	Self-organized growth of complex nanotube patterns on crystal surfaces. Nano Research, 2009, 2, 743-754.	10.4	18
12731	Milestones in molecular dynamics simulations of single-walled carbon nanotube formation: A brief critical review. Nano Research, 2009, 2, 755.	10.4	52
12732	Modeling nanocomposites: from rheology to forming processes simulation. International Journal of Material Forming, 2009, 2, 141-144.	2.0	5
12733	Multiwalled carbon nanotube/polypropylene composites : investigation of the melt processing by injection molding and analysis of the resulting mechanical behaviour. International Journal of Material Forming, 2009, 2, 149-152.	2.0	13
12734	Piezoelectric composite forming and its characterization. International Journal of Material Forming, 2009, 2, 869-871.	2.0	2
12735	Preparation of PE/MWNT nanocomposites by In-situ metallocene polymerization. International Journal of Material Forming, 2009, 2, 873-875.	2.0	2

#	ARTICLE	IF	CITATIONS
12736	Synthesis and characterization of yttrium hydroxide and oxide microtubes. <i>Rare Metals</i> , 2009, 28, 445-448.	7.1	14
12737	Fabrication of ZnO nanorods for optoelectronic device applications. <i>Indian Journal of Physics</i> , 2009, 83, 553-558.	1.8	21
12738	An efficient and inexpensive method for the production of multi-wall carbon nano tubes by the thermal plasma route. <i>Transactions of the Indian Institute of Metals</i> , 2009, 62, 229-231.	1.5	2
12739	Ecotoxicity and analysis of nanomaterials in the aquatic environment. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 81-95.	3.7	415
12740	Preparation, properties and application of polyamide/carbon nanotube nanocomposites. <i>Macromolecular Research</i> , 2009, 17, 207-217.	2.4	32
12741	Thermal stability of catalytically grown multi-walled carbon nanotubes observed in transmission electron microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 247-251.	2.3	3
12742	The use of calcination in exposing the entrapped Fe particles from multi-walled carbon nanotubes grown by chemical vapour deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 94, 585-591.	2.3	2
12743	Finite element simulation for estimating the mechanical properties of multi-walled carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 819-831.	2.3	82
12744	Inorganic WS ₂ nanotubes revealed atom by atom using ultra-high-resolution transmission electron microscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 343-348.	2.3	16
12745	Facile conversion of silicon nitride nanobelts into sandwich-like nanosaws: towards functional nanostructured materials. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 97, 729-734.	2.3	8
12746	Bundling influence on ultrafast optical nonlinearities of single-walled carbon nanotubes in suspension and composite film. <i>Applied Physics B: Lasers and Optics</i> , 2009, 97, 157-162.	2.2	15
12747	Advance in Research on Carbon Nanotubes as Diagnostic and Therapeutic Agents for Tumor. <i>Chinese Journal of Analytical Chemistry</i> , 2009, 37, 1240-1246.	1.7	11
12748	Study of low-temperature selective catalytic reduction of NO by ammonia over carbon-nanotube-supported vanadium. <i>Journal of Fuel Chemistry and Technology</i> , 2009, 37, 583-587.	2.0	14
12749	Carbon nanotube in different shapes. <i>Materials Today</i> , 2009, 12, 12-18.	14.2	224
12750	Up close & personal with atoms & molecules. <i>Materials Today</i> , 2009, 12, 18-25.	14.2	5
12751	Bionanoelectronics with 1D materials. <i>Materials Today</i> , 2009, 12, 22-31.	14.2	36
12752	Revolutionizing biodegradable metals. <i>Materials Today</i> , 2009, 12, 22-32.	14.2	331
12753	Dynamic buckling of double-walled carbon nanotubes under step axial load. <i>Acta Mechanica Sinica</i> , 2009, 22, 27-36.	1.9	7

#	ARTICLE	IF	CITATIONS
12754	Nonlinear dynamic instability of double-walled carbon nanotubes under periodic excitation. <i>Acta Mechanica Solida Sinica</i> , 2009, 22, 206-212.	1.9	17
12755	A Continuum Model for Axial-Strain-Induced Torsion in Single-Wall Carbon Nanotubes. <i>Acta Mechanica Solida Sinica</i> , 2009, 22, 283-286.	1.9	2
12756	Explicit solution for G-band mode frequency of single-walled carbon nanotubes. <i>Acta Mechanica Solida Sinica</i> , 2009, 22, 571-583.	1.9	6
12757	Flexural wave dispersion in multi-walled carbon nanotubes conveying fluids. <i>Acta Mechanica Solida Sinica</i> , 2009, 22, 623-629.	1.9	27
12758	Mild oxideâ€hydrothermal synthesis of different aspect ratios of monoclinic BiVO ₄ nanorods tuned by temperature. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 59-63.	1.8	14
12759	Current transport modeling of carbon nanotube field effect transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1569-1578.	1.8	19
12760	The influence of surfactants on the processing of multiâ€walled carbon nanotubes in reinforced cement matrix composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2783-2790.	1.8	124
12761	Synthesis and subsequent purification of carbon nanotubes by arc discharge in NaCl solution. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 101-105.	1.8	5
12762	Carbon nanotubes in nanostructured films: Potential application as amperometric and potentiometric fieldâ€effect (bioâ€chemical sensors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 462-467.	1.8	52
12763	Electronic properties of finiteâ€length silicon carbide nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 407-410.	1.5	8
12764	Singleâ€walled carbon nanotubes modified by PFO: An optical absorption and Raman spectroscopic investigation. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2699-2703.	1.5	7
12765	Temperature modification of oxidized multiwall carbon nanotubes studied by electron spectroscopy methods. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2645-2649.	1.5	22
12766	Raman characterization of MoS ₂ microtube. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2782-2785.	1.5	17
12767	Theoretical phonon dispersions in monolayers and multilayers of hexagonal boronâ€nitride. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2802-2805.	1.5	15
12768	Electronic properties of singleâ€walled carbon nanotubes encapsulating a cerium organometallic compound. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2626-2630.	1.5	15
12769	Quantitative composition of a singleâ€walled carbon nanotube sample: Raman scattering versus photoluminescence. <i>Physica Status Solidi (B): Basic Research</i> , 2009, 246, 2740-2743.	1.5	13
12770	Generation of cabbageâ€shaped nanocarbons using arc discharge in a foam. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2009, 4, 300-302.	1.4	3
12771	Synthesis of Carbon Nanotubes on Fly Ashes by Chemical Vapor Deposition Processing. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2009, 4, 787-789.	1.4	14

#	ARTICLE	IF	CITATIONS
12772	Preparation of carbon nanofibres through electrospinning and thermal treatment. <i>Polymer International</i> , 2009, 58, 1341-1349.	3.1	75
12773	Quanten-Hall-Effekt in Graphen. Ein- und doppelagiges Graphen im Magnetfeld. <i>Physik in Unserer Zeit</i> , 2009, 40, 124-131.	0.0	1
12774	Matrixless laser desorption/ionisation mass spectrometry of polyphenols in red wine. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 1834-1840.	1.5	9
12775	A Systematic Nomenclature for Codifying Engineered Nanostructures. <i>Small</i> , 2009, 5, 426-431.	10.0	36
12776	Joining and Interconnect Formation of Nanowires and Carbon Nanotubes for Nanoelectronics and Nanosystems. <i>Small</i> , 2009, 5, 1246-1257.	10.0	102
12777	Design of an Assembly of Poly(benzimidazole), Carbon Nanotubes, and Pt Nanoparticles for a Fuel Cell Electrocatalyst with an Ideal Interfacial Nanostructure. <i>Small</i> , 2009, 5, 735-740.	10.0	176
12778	Solid-to-Hollow Single-Particle Manipulation of a Self-Assembled Luminescent NaYF ₄ :Yb,Er Nanocrystal Monolayer by Electron-Beam Lithography. <i>Small</i> , 2009, 5, 2057-2060.	10.0	59
12779	Preparation and mechanical properties of well-aligned and well-oriented poly(vinyl alcohol) nanoribbon. <i>Polymers for Advanced Technologies</i> , 2009, 20, 258-262.	3.2	2
12780	Fabrication of composite polyaniline/CNT nanofibers using an ultrasonically assisted dynamic inverse emulsion polymerization technique. <i>Polymers for Advanced Technologies</i> , 2010, 21, 150-152.	3.2	20
12781	Preparation and characterization of functionalized carbon nanotubes/poly(phthalazinone ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.6	19
12782	Synthesis and properties of the amino-functionalized multiple-walled carbon nanotubes/polyimide nanocomposites. <i>Polymer Composites</i> , 2009, 30, 374-380.	4.6	19
12783	Photodegradation of EPDM/MWCNT nanocomposites: Effect of singlet oxygen. <i>Polymer Composites</i> , 2009, 30, 855-860.	4.6	8
12784	Modification of carbon nanotubes and its effect on properties of carbon nanotube/epoxy nanocomposites. <i>Polymer Composites</i> , 2009, 30, 1378-1387.	4.6	67
12785	Study the effect of viscoelastic matrix model on the stability of CNT/polymer composites by multiscale modeling. <i>Polymer Composites</i> , 2009, 30, 1545-1551.	4.6	26
12786	Influence of carbon nanotube dispersion on the mechanical properties of phenolic resin composites. <i>Polymer Composites</i> , 2010, 31, 321-327.	4.6	17
12787	Effect of external electric field on the microstructures and properties of carbon nanotubes/thermosets nanocomposites. <i>Polymer Composites</i> , 2010, 31, 347-358.	4.6	4
12788	Influence of modified carbon nanotube on physical properties and crystallization behavior of poly(ethylene terephthalate) nanocomposite. <i>Polymer Composites</i> , 2010, 31, 858-869.	4.6	13
12789	Thermal and morphological characterization of composites prepared by solution crystallization method of high-density polyethylene on carbon nanotubes. <i>Polymer Composites</i> , 2010, 31, 913-920.	4.6	14

#	ARTICLE	IF	CITATIONS
12790	Thermal and mechanical properties of polymer/nanocomposites based on ethylene methyl acrylate and multiwalled carbon nanotube. <i>Polymer Composites</i> , 2010, 31, 1168-1178.	4.6	14
12791	Thermal, mechanical, and rheological properties of biodegradable polybutylene succinate/carbon nanotubes nanocomposites. <i>Polymer Composites</i> , 2010, 31, 1309-1314.	4.6	29
12792	Morphology, thermal, and rheological behavior of nylon 11/multiwalled carbon nanotube nanocomposites prepared by melt compounding. <i>Polymer Engineering and Science</i> , 2009, 49, 1063-1068.	3.1	66
12793	Singlewalled carbon nanotube/poly(methyl methacrylate) composites for electromagnetic interference shielding. <i>Polymer Engineering and Science</i> , 2009, 49, 1627-1634.	3.1	191
12794	Investigation on the multiwalled carbon nanotubes reinforced polyamide 6/polypropylene composites. <i>Polymer Engineering and Science</i> , 2009, 49, 1909-1917.	3.1	49
12795	Electrical conductivity and thermal properties of acrylonitrilebutadiene styrene filled with multiwall carbon nanotubes. <i>Polymer Engineering and Science</i> , 2009, 49, 2144-2149.	3.1	26
12796	The effects of triethylenetetramine grafting of multiwalled carbon nanotubes on its dispersion, filler/matrix interfacial interaction and the thermal properties of epoxy nanocomposites. <i>Polymer Engineering and Science</i> , 2009, 49, 2158-2167.	3.1	35
12797	Isothermal crystallization behavior of polyamide 6,6/multiwalled carbon nanotube nanocomposites. <i>Polymer Engineering and Science</i> , 2009, 49, 2447-2453.	3.1	19
12798	Pressure effects on the structural, electronic, and optical properties of Si _n @SWCNTs. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 1385-1395.	2.0	2
12799	NMR computations for carbon nanotubes from first principles: Present status and future directions. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 3343-3367.	2.0	27
12800	Ab initio studies of vacancydefected fullerenes and singlewalled carbon nanotubes. <i>International Journal of Quantum Chemistry</i> , 2009, 109, 3441-3456.	2.0	19
12801	Carbon nanotubes decorated with terpyridine ruthenium complexes. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2551-2559.	2.3	20
12802	A nonPFT (polymerization filling technique) approach to poly(ethylene-co-norbornene)/MWNTs nanocomposites by <i>in situ</i> copolymerization with scandium half sandwich catalyst. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5709-5719.	2.3	16
12803	Facile one-pot synthesis and characterization of novel nanostructured organic dispersible polyaniline. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1024-1029.	2.1	19
12804	Thermal degradation and kinetic analysis of biodegradable PBS/multiwalled carbon nanotube nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1231-1239.	2.1	30
12805	Meltcrystallization mechanism of poly(ethylene terephthalate)/multiwalled carbon nanotubes prepared by <i>in situ</i> polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 1452-1466.	2.1	19
12806	Enhancement in solubility and conductivity of polyaniline with lignosulfonate modified carbon nanotube. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2009, 47, 2036-2046.	2.1	47
12807	Study of Shape and Distribution of TiO ₂ Nanorods Produced by Atmospheric Pressure Plasma. <i>Plasma Processes and Polymers</i> , 2009, 6, S214.	3.0	5

#	ARTICLE	IF	CITATIONS
12808	The full symmetry and irreducible representations of nanotori. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, 249-252.	0.3	9
12809	An XANES study on the modification of single-walled carbon nanotubes by nitric acid. Journal of Synchrotron Radiation, 2009, 16, 428-431.	2.4	4
12810	Nanotubes unzipped. Nature, 2009, 458, 845-846.	27.8	128
12811	Carbon-based curiosities. Nature Chemistry, 2009, 1, 170-171.	13.6	2
12812	Nanotubes keep rolling on. Nature Nanotechnology, 2009, 4, 465-465.	31.5	2
12813	Promises, facts and challenges for carbon nanotubes in imaging and therapeutics. Nature Nanotechnology, 2009, 4, 627-633.	31.5	738
12814	Influence of NH ₃ atmosphere on the growth and structures of carbon nanotubes synthesized by the arc-discharge method. Inorganic Materials, 2009, 45, 1237-1239.	0.8	7
12815	Dependence of transport through carbon nanotubes on local coulomb potential. JETP Letters, 2009, 89, 212-215.	1.4	8
12816	Synthesis of ZnO Microtubes by a Facile Aqueous Solution Process. Journal of the American Ceramic Society, 2009, 92, S165.	3.8	11
12817	A Template-Free Synthesis of the One-Dimensional Nanostructure of Multiferroic BiFeO ₃ . Journal of the American Ceramic Society, 2009, 92, 3065-3069.	3.8	9
12818	Attaching Titania Nanoparticles onto Shortened Carbon Nanotubes by Electrostatic Attraction. International Journal of Applied Ceramic Technology, 2009, 6, 216-222.	2.1	18
12819	Commentary: Oversight of Engineered Nanomaterials in the Workplace. Journal of Law, Medicine and Ethics, 2009, 37, 651-658.	0.9	5
12820	Research and Evaluation of Modified Single-walled Carbon Nanotubes. Chinese Journal of Analytical Chemistry, 2009, 37, 1297-1302.	1.7	5
12821	Cyclohexane dehydrogenation over the platinum catalysts supported on carbon nanomaterials. Journal of Fuel Chemistry and Technology, 2009, 37, 468-472.	2.0	17
12822	Electron translocation and field emission in printed CNT film by high-temperature sintering and post-treatment. Microelectronics Journal, 2009, 40, 1166-1169.	2.0	3
12823	Verified syntheses of mesoporous materials. Microporous and Mesoporous Materials, 2009, 125, 170-223.	4.4	575
12824	Effect of anodic alumina pore diameter variation on template-initiated synthesis of carbon nanotube catalyst supports. Journal of Molecular Catalysis A, 2009, 306, 23-32.	4.8	23
12825	Bimetallic mesoporous materials for high yield synthesis of carbon nanotubes by chemical vapour deposition techniques. Journal of Molecular Catalysis A, 2009, 309, 146-152.	4.8	20

#	ARTICLE	IF	CITATIONS
12826	Memory effects in MIS structures based on silicon and polymethylmethacrylate with nanoparticle charge-storage elements. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 159-160, 14-17.	3.5	14
12827	Investigation of water-assisted synthesis of high quality carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 157, 93-95.	3.5	11
12828	To distinguish fullerene C60 nanotubes and C60 nanowhiskers using Raman spectroscopy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 163, 161-164.	3.5	21
12829	An efficient method for decoration of the multiwalled carbon nanotubes with nearly monodispersed magnetite nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 164, 191-194.	3.5	24
12830	The effect of oxidation treatment on the properties of multi-walled carbon nanotube thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 165, 135-138.	3.5	62
12831	Carbon nanotube/chitosan/gold nanoparticles-based glucose biosensor prepared by a layer-by-layer technique. Materials Science and Engineering C, 2009, 29, 50-54.	7.3	88
12832	Fabrication and electrochemical behavior of single-walled carbon nanotube/graphite-based electrode. Materials Science and Engineering C, 2009, 29, 187-192.	7.3	14
12833	Study of a novel chromogenic system of Mn ²⁺ and "fluorone" carbon nanotubes. Materials Science and Engineering C, 2009, 29, 341-345.	7.3	6
12834	Layer-by-layer assemblies of chitosan/multi-wall carbon nanotubes and glucose oxidase for amperometric glucose biosensor applications. Materials Science and Engineering C, 2009, 29, 346-349.	7.3	52
12835	Amperometric choline biosensors based on multi-wall carbon nanotubes and layer-by-layer assembly of multilayer films composed of Poly(diallyldimethylammonium chloride) and choline oxidase. Materials Science and Engineering C, 2009, 29, 1453-1457.	7.3	28
12836	Improved dispersion of PEG-functionalized carbon nanofibers in toluene. Materials Science and Engineering C, 2009, 29, 742-745.	7.3	6
12837	Pluronic-coated carbon nanotubes do not induce degeneration of cortical neurons in vivo and in vitro. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 96-104.	3.3	91
12838	Adipocytes differentiation in the presence of Pluronic F127-coated carbon nanotubes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 378-381.	3.3	11
12839	Dispersion relations for plasmon excitations in nanostructures of different shapes and symmetries. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 235-238.	1.4	5
12840	Effect of temperature on carbon nanotubes growth on thin Iron film by thermal chemical vapor deposition method under the low pressure. Physics Procedia, 2009, 2, 107-111.	1.2	4
12841	Electronic properties of zero-dimensional finite-sized nanographene. Physica B: Condensed Matter, 2009, 404, 305-309.	2.7	4
12842	Theoretical studies on hydrogen adsorption of single-walled boron-nitride and carbon nanotubes using grand canonical Monte Carlo method. Physica B: Condensed Matter, 2009, 404, 1892-1896.	2.7	13
12843	High-efficiency and flow-ratio-dependent growth of carbon nanotubes and carbon spheres hybrid. Physica B: Condensed Matter, 2009, 404, 1154-1158.	2.7	2

#	ARTICLE	IF	CITATION
12844	Carbon-coated YC2 nanocapsules synthesized by arc-discharge in methane. Physica B: Condensed Matter, 2009, 404, 1929-1932.	2.7	0
12845	Effect of doping on electronic properties of double-walled carbon and boron nitride hetero-nanotubes. Physica B: Condensed Matter, 2009, 404, 3417-3420.	2.7	12
12846	Effect of electron-phonon interaction on the energy spectrum of a quantum antidot in the presence of a uniform strong magnetic field. Physica B: Condensed Matter, 2009, 404, 3982-3985.	2.7	2
12847	Characterization of the flow of the CO/CO2 gases through carbon nanotube junctions using molecular dynamic simulations. Chemical Physics, 2009, 362, 120-129.	1.9	4
12848	A solid-state pH sensor based on WO3-modified vertically aligned multiwalled carbon nanotubes. Electrochemistry Communications, 2009, 11, 1038-1041.	4.7	59
12849	Electroless plated gold as a support for carbon nanotube electrodes. Electrochimica Acta, 2009, 54, 3191-3198.	5.2	19
12850	Hydroxyapatite-multiwalled carbon nanotubes nanocomposite for adhesion and electrochemical study of human osteoblast-like cells (MG-63). Electrochimica Acta, 2009, 54, 3611-3617.	5.2	8
12851	A carbon nanotube/polyvanillin composite film as an electrocatalyst for the electrochemical oxidation of nitrite and its application as a nitrite sensor. Electrochimica Acta, 2009, 54, 4910-4915.	5.2	56
12852	Investigation of vacancy defects effects on the buckling behavior of SWCNTs via a structural mechanics approach. European Journal of Mechanics, A/Solids, 2009, 28, 1072-1078.	3.7	42
12853	Nucleation, structure and lamellar morphology of isotactic polypropylene filled with polypropylene-grafted multiwalled carbon nanotubes. European Polymer Journal, 2009, 45, 2155-2163.	5.4	47
12854	A mathematical model for $\frac{1}{U} \frac{dU}{dC}$ and their symmetry groups. Journal of Geometry and Physics, 2009, 59, 1168-1174.	1.4	5
12855	Water-filled pseudo-nanotubes in Ag11.60H0.40[Cr(C2O4)3]4·15H2O: Synthesis, characterization and X-ray structure. Inorganica Chimica Acta, 2009, 362, 1-4.	2.4	21
12856	Study of processing variables on the electrical resistivity of conductive adhesives. International Journal of Adhesion and Adhesives, 2009, 29, 488-494.	2.9	78
12857	Optimizing the hydrogen storage in boron nitride nanotubes by defect engineering. International Journal of Hydrogen Energy, 2009, 34, 5213-5217.	7.1	32
12858	Electrochemical hydrogen storage properties of ball-milled multi-wall carbon nanotubes. International Journal of Hydrogen Energy, 2009, 34, 1437-1443.	7.1	73
12859	Synthesis of CuO nanoribbon arrays with noticeable electrochemical hydrogen storage ability by a simple precursor dehydration route at lower temperature. International Journal of Hydrogen Energy, 2009, 34, 3065-3069.	7.1	54
12860	Storage of hydrogen in nanostructured carbon materials. International Journal of Hydrogen Energy, 2009, 34, 3784-3798.	7.1	395
12861	Electrochemical behaviour of single walled carbon nanotubes - Hydrogen storage and hydrogen evolution reaction. International Journal of Hydrogen Energy, 2009, 34, 8115-8126.	7.1	51

#	ARTICLE	IF	CITATIONS
12862	Preparation and characterization of multi-walled carbon nanotube/PBNPI nanocomposite membrane for H ₂ /CH ₄ separation. International Journal of Hydrogen Energy, 2009, 34, 8707-8715.	7.1	104
12863	Hydrogen adsorption by microporous materials based on alumina-pillared clays. International Journal of Hydrogen Energy, 2009, 34, 8611-8615.	7.1	48
12864	Oxidation by permanganate: synthetic and mechanistic aspects. Tetrahedron, 2009, 65, 707-739.	1.9	221
12865	Influence of Boroxol ring doping on the N-15 and B-11 NMR parameters in zigzag boron nitride nanotube: A DFT study. Computational and Theoretical Chemistry, 2009, 895, 96-99.	1.5	6
12866	Lithium-doped (4,4) Boron nitride nanotube: Density functional theory study of N and B nuclear magnetic shielding and electric field gradient tensors. Computational and Theoretical Chemistry, 2009, 895, 82-85.	1.5	15
12867	Adsorption of hydrogen on novel Pt-doped BN nanotube: A density functional theory study. Computational and Theoretical Chemistry, 2009, 901, 103-109.	1.5	51
12868	Influence of Mn-doping on the chemical shielding tensors of ⁷¹ Ga and ¹⁵ N in the armchair GaN nanotubes: A DFT study. Computational and Theoretical Chemistry, 2009, 911, 19-23.	1.5	2
12869	The distribution pattern of squares on the stability of F ₄ F ₆ -(BN) _n (n=10-22) polyhedrons. Computational and Theoretical Chemistry, 2009, 911, 75-80.	1.5	5
12870	Modeling complexes of NH ₃ molecules confined in C ₆₀ fullerene. Computational and Theoretical Chemistry, 2009, 913, 54-57.	1.5	28
12871	DFT calculations of B-11 and N-15 NMR parameters in BN nanocone. Computational and Theoretical Chemistry, 2009, 913, 207-209.	1.5	15
12872	Structures and magnetic properties of SinNi (n=1-17) clusters. Computational and Theoretical Chemistry, 2009, 916, 139-146.	1.5	21
12873	Formation of isolated carbon nanofibers with hot-wire CVD using nanosphere lithography as catalyst patterning technique. Thin Solid Films, 2009, 517, 3566-3569.	1.8	13
12874	Solution-based route to semiconductor film: Well-aligned ZnSe nanobelt arrays. Thin Solid Films, 2009, 517, 4814-4817.	1.8	20
12875	Static and dynamic mechanical properties of polydimethylsiloxane/carbon nanotube nanocomposites. Thin Solid Films, 2009, 517, 4895-4901.	1.8	108
12876	Very high temperature chemical vapor deposition of new carbon thin films using organic semiconductor molecular beam sources. Thin Solid Films, 2009, 518, 778-780.	1.8	4
12877	Application of multielectrode array modified with carbon nanotubes to simultaneous amperometric determination of dihydroxybenzene isomers. Sensors and Actuators B: Chemical, 2009, 136, 113-121.	7.8	114
12878	Electro-catalytic oxidation of methane at multi-walled carbon nanotubes-Nafion/nickel hydroxide modified nickel electrode. Sensors and Actuators B: Chemical, 2009, 138, 402-407.	7.8	27
12879	Functional characterization of carbon nanotube networked films functionalized with tuned loading of Au nanoclusters for gas sensing applications. Sensors and Actuators B: Chemical, 2009, 140, 176-184.	7.8	121

#	ARTICLE	IF	CITATIONS
12880	Carbon nanotubes based transistors as gas sensors: State of the art and critical review. Sensors and Actuators B: Chemical, 2009, 140, 304-318.	7.8	256
12881	Detection of nitrite using poly(3,4-ethylenedioxythiophene) modified SPCEs. Sensors and Actuators B: Chemical, 2009, 140, 51-57.	7.8	85
12882	Vapour sensing with conductive polymer nanocomposites (CPC): Polycarbonate-carbon nanotubes transducers with hierarchical structure processed by spray layer by layer. Sensors and Actuators B: Chemical, 2009, 140, 451-460.	7.8	82
12883	Application of functionalised carbon nanotubes immobilised into chitosan films in amperometric enzyme biosensors. Sensors and Actuators B: Chemical, 2009, 142, 308-315.	7.8	115
12884	Anodic stripping voltammetric determination of copper(II) using a functionalized carbon nanotubes paste electrode modified with crosslinked chitosan. Sensors and Actuators B: Chemical, 2009, 142, 260-266.	7.8	160
12885	A full spd tight-binding treatment for electronic bands of graphitic tubes. Solid State Communications, 2009, 149, 82-86.	1.9	20
12886	On the structural properties of Bâ€“Câ€“N nanotubes. Solid State Communications, 2009, 149, 222-226.	1.9	21
12887	Effects of inter wall hopping on the electronic properties of double-wall carbon nanotubes. Solid State Communications, 2009, 149, 491-495.	1.9	3
12888	Dynamic column buckling of multi-walled carbon nanotubes under axial impact load. Solid State Communications, 2009, 149, 429-433.	1.9	6
12889	Electronic transport through superlattice-like disordered carbon nanotubes. Solid State Communications, 2009, 149, 874-879.	1.9	17
12890	Nonlinear blue upconversion luminescence in Gd^{3+} doped NaYF_4 nanocrystals. Solid State Communications, 2009, 149, 1814-1817.	4.8	41
12891	Morphology study of carbon nanospecies grown on carbon fibers by thermal CVD technique. Surface and Coatings Technology, 2009, 203, 1329-1335.	4.8	6
12892	Ion beam irradiation and annealing effects on carbon nanotube dispersed polyimide thin films. Surface and Coatings Technology, 2009, 203, 2472-2475.	4.8	6
12893	Substrate preparation techniques for direct investigation by TEM of single wall carbon nanotubes grown by chemical vapor deposition. Surface Science, 2009, 603, 1115-1120.	1.9	6
12894	Controlled deposition of covalently bonded tantalum oxide on carbon supports by solvent evaporation solâ€“gel process. Surface Science, 2009, 603, 2290-2293.	1.9	11
12895	Achieving uniform field emission from carbon nanotube composite cold cathode with different carbon nanotube contents: Effects of conductance and plasma treatment. Ultramicroscopy, 2009, 109, 390-394.	1.9	7
12896	Field enhancement factor and field emission from a hemi-ellipsoidal metallic needle. Ultramicroscopy, 2009, 109, 373-378.	1.9	55
12897	AFM imaging of functionalized double-walled carbon nanotubes. Ultramicroscopy, 2009, 109, 899-906.	1.9	28

#	ARTICLE	IF	CITATIONS
12898	Sonochemical growth of antimony sulfoiodide in multiwalled carbon nanotube. <i>Ultrasonics Sonochemistry</i> , 2009, 16, 800-804.	8.2	18
12899	Synthesis of carbon nanotubes at low temperature by filament assisted atmospheric CVD and their field emission characteristics. <i>Vacuum</i> , 2009, 83, 853-856.	3.5	22
12900	The mechanism of growth and decay of carbon nano-onions formed by ordering of amorphous particles. <i>Vacuum</i> , 2009, 84, 197-201.	3.5	11
12901	Study on effect of oxygen adsorption on characteristics of field electron emission from aligned carbon nanotubes grown by plasma-enhanced hot filament chemical vapor deposition. <i>Vacuum</i> , 2009, 83, 1414-1418.	3.5	10
12902	Growth of carbon nanotubes on diatomite. <i>Vacuum</i> , 2009, 84, 464-468.	3.5	21
12903	Field emission characteristics from tapered ZnO nanostructures grown onto vertically aligned carbon nanotubes. <i>Vacuum</i> , 2009, 84, 534-536.	3.5	5
12904	Mechanical, electrical and spectroscopic investigations of carbon nanotube-reinforced elastomers. <i>Vibrational Spectroscopy</i> , 2009, 51, 52-59.	2.2	59
12905	Tribological interaction between multi-walled carbon nanotubes and silica surface using lateral force microscopy. <i>Wear</i> , 2009, 266, 952-959.	3.1	20
12906	Friction and wear characteristics of the carbon nanotube/aluminum composites with different manufacturing conditions. <i>Wear</i> , 2009, 267, 593-598.	3.1	151
12907	Scanning electrochemical microscopy of one-dimensional nanostructure: Effects of nanostructure dimensions on the tip feedback current under unbiased conditions. <i>Journal of Electroanalytical Chemistry</i> , 2009, 629, 78-86.	3.8	18
12908	Fabrication of functionalized carbon nanotube modified glassy carbon electrode and its application for selective oxidation and voltammetric determination of cysteamine. <i>Journal of Electroanalytical Chemistry</i> , 2009, 633, 187-192.	3.8	19
12909	Poly(3,4-ethylenedioxythiophene) (PEDOT) doped with carbon nanotubes as ion-to-electron transducer in polymer membrane-based potassium ion-selective electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2009, 633, 246-252.	3.8	112
12910	Electrochemical determination of L-dopa in the presence of ascorbic acid on the surface of the glassy carbon electrode modified by a bilayer of multi-walled carbon nanotube and poly-pyrrole doped with tiron. <i>Journal of Electroanalytical Chemistry</i> , 2009, 636, 40-46.	3.8	105
12911	Slip casting of nanozirconia/MWCNT composites using a heterocoagulation process. <i>Journal of the European Ceramic Society</i> , 2009, 29, 1939-1945.	5.7	52
12912	Hot pressed and spark plasma sintered zirconia/carbon nanofiber composites. <i>Journal of the European Ceramic Society</i> , 2009, 29, 3177-3184.	5.7	92
12913	Removal of chromium from aqueous solution by using oxidized multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2009, 162, 1542-1550.	12.4	374
12914	Prevenient dye-degradation mechanisms using UV/TiO ₂ /carbon nanotubes process. <i>Journal of Hazardous Materials</i> , 2009, 163, 239-244.	12.4	131
12915	Adsorption behavior of multiwall carbon nanotube/iron oxide magnetic composites for Ni(II) and Sr(II). <i>Journal of Hazardous Materials</i> , 2009, 164, 923-928.	12.4	439

#	ARTICLE	IF	CITATIONS
12916	Adsorption of Ni(II) on oxidized multi-walled carbon nanotubes: Effect of contact time, pH, foreign ions and PAA. Journal of Hazardous Materials, 2009, 166, 109-116.	12.4	394
12917	Application of modified multiwalled carbon nanotubes as a sorbent for simultaneous separation and preconcentration trace amounts of Au(III) and Mn(II). Journal of Hazardous Materials, 2009, 168, 1548-1553.	12.4	101
12918	Preconcentration of some trace elements via using multiwalled carbon nanotubes as solid phase extraction adsorbent. Journal of Hazardous Materials, 2009, 169, 466-471.	12.4	275
12919	Synthesis, characterization and application of ethylenediamine-modified multiwalled carbon nanotubes for selective solid-phase extraction and preconcentration of metal ions. Journal of Hazardous Materials, 2009, 172, 958-963.	12.4	140
12920	A high resolution XPS study of sidewall functionalized MWCNTs by fluorination. Journal of Industrial and Engineering Chemistry, 2009, 15, 66-71.	5.8	114
12921	The structure and photoluminescence properties of ZnO nanobelts prepared by a thermal evaporation process. Journal of Luminescence, 2009, 129, 340-343.	3.1	29
12922	Investigation of growth properties of patterned and aligned carbon nanotubes for field emitter. Microelectronic Engineering, 2009, 86, 2236-2240.	2.4	2
12923	Influence of catalyst supporters on catalyst nanoparticles in synthesis of single-walled carbon nanotubes. Microelectronics Journal, 2009, 40, 692-696.	2.0	6
12924	Carbon nanotube tips for surface characterization: Fabrication and properties. Microelectronics Journal, 2009, 40, 46-49.	2.0	0
12925	Preparation and properties of functionalized carbon nanotube/PSF blend ultrafiltration membranes. Journal of Membrane Science, 2009, 342, 165-172.	8.2	309
12926	Oxidative dehydrogenation of 9,10-dihydroanthracene using multi-walled carbon nanotubes. Journal of Molecular Catalysis A, 2009, 302, 119-123.	4.8	36
12927	Novel sea urchin-like polyaniline microspheres-supported molybdenum catalyst: Preparation, characteristic and functionality. Journal of Molecular Catalysis A, 2009, 308, 25-31.	4.8	21
12928	Effect of sonication on thermo-mechanical properties of epoxy nanocomposites with carboxylated-SWNT. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 509, 57-62.	5.6	45
12929	Interfacial properties and microstructure of multiwalled carbon nanotubes/epoxy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 517, 17-23.	5.6	20
12930	Carbon nanotube growth at the tip of SiO ₂ nanocone. Materials Science and Engineering C, 2009, 29, 2384-2387.	7.3	1
12931	Carbohydrate-conjugated multiwalled carbon nanotubes: development and characterization. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 432-442.	3.3	76
12932	Molecular imaging with single-walled carbon nanotubes. Nano Today, 2009, 4, 252-261.	11.9	139
12933	Dispersion of multi-walled carbon nanotubes in poly(p-phenylene) thin films and their electrical characteristics. Particuology, 2009, 7, 403-407.	3.6	11

#	ARTICLE	IF	CITATIONS
12934	Experimental and numerical studies on ballistic phonon transport of cup-stacked carbon nanofiber. <i>Physica B: Condensed Matter</i> , 2009, 404, 2431-2434.	2.7	10
12935	Strong effects of substitute nitrogen-doping on linear optical absorption spectra of zigzag carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2009, 404, 4090-4094.	2.7	9
12936	Detection of amino acids encapsulation and adsorption with dielectric carbon nanotube. <i>Journal of Biotechnology</i> , 2009, 144, 96-101.	3.8	15
12937	Polymeric spheres on substrates from a spin-coating process. <i>Journal of Colloid and Interface Science</i> , 2009, 330, 73-76.	9.4	1
12938	Study of Pd(II) adsorption over titanate nanotubes of different diameters. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 27-31.	9.4	49
12939	Adsorption of polar and non-polar fluids in carbon nanotube bundles: Computer simulation and experimental studies. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 65-76.	9.4	17
12940	Effect of the adsorption of oxygen on electronic structures and geometrical parameters of armchair single-wall carbon nanotubes: A density functional study. <i>Journal of Colloid and Interface Science</i> , 2009, 336, 1-12.	9.4	19
12941	pH- and thermo-responsive dispersion of single-walled carbon nanotubes modified with poly(N-isopropylacrylamide-co-acrylic acid). <i>Journal of Colloid and Interface Science</i> , 2009, 334, 212-216.	9.4	24
12942	Controlled synthesis and assembly of ceria-based nanomaterials. <i>Journal of Colloid and Interface Science</i> , 2009, 335, 151-167.	9.4	229
12943	Coating of multiwalled carbon nanotubes with polymer nanospheres through microemulsion polymerization. <i>Journal of Colloid and Interface Science</i> , 2009, 340, 160-165.	9.4	144
12944	Application of highly ordered carbon nanotubes templates to field-emission organic light-emitting diodes. <i>Journal of Crystal Growth</i> , 2009, 311, 615-618.	1.5	6
12945	MBE-grown Fe nanowires on a ZnS(100) surface. <i>Journal of Crystal Growth</i> , 2009, 311, 2208-2211.	1.5	5
12946	Effective way to control the size of well-aligned ZnO nanorod arrays with two-step chemical bath deposition. <i>Journal of Crystal Growth</i> , 2009, 311, 1046-1050.	1.5	73
12947	Si enhances the growth of B4C nanowires. <i>Journal of Crystal Growth</i> , 2009, 311, 3721-3725.	1.5	10
12948	The effect of cooling rate during hydrothermal synthesis of ZnO nanorods. <i>Journal of Crystal Growth</i> , 2009, 311, 4102-4108.	1.5	49
12949	A simple synthesis of large-scale SiCâ€SiO2 nanocables by using thermal decomposition of methanol: Structure, FTIR, Raman and PL characterization. <i>Journal of Crystal Growth</i> , 2009, 311, 4301-4305.	1.5	13
12950	Photoluminescence properties of Co-doped ZnO nanorods array fabricated by the solution method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 413-417.	2.7	53
12951	Stability of single-walled carbon nanopeapods under combined axial compressive load and external pressure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2009, 41, 513-517.	2.7	14

#	ARTICLE	IF	CITATIONS
12952	First-principles study on effects of mechanical deformation on outer surface reactivity of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 626-630.	2.7	14
12953	Preparation and characterization of sulfonic acid-functionalized single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 723-728.	2.7	55
12954	Silicon carbide nanowires synthesized with phenolic resin and silicon powders. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 753-756.	2.7	29
12955	Effect of a square wave on an assembly of multi-walled carbon nanotubes using AC dielectrophoresis. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1137-1142.	2.7	14
12956	Structures, electronic properties, and hydrogen-storage capacity of single-walled TiO ₂ nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 838-842.	2.7	48
12957	The carbon-doped (4,4) boron nitride nanotube: A computational NMR approach. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 883-885.	2.7	44
12958	Synthesis and properties of Cd-doped ZnO nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 879-882.	2.7	41
12959	Axial vibration of the nanorods with the nonlocal continuum rod model. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 861-864.	2.7	304
12960	Low-temperature synthesis of amorphous carbon nanoneedle and study on its field emission property. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1174-1178.	2.7	33
12961	Buckling analysis of a single-walled carbon nanotube embedded in an elastic medium based on nonlocal elasticity and Timoshenko beam theory and using DQM. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1232-1239.	2.7	275
12962	Low-energy electronic properties of finite double-walled carbon nanotubes under external fields. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1226-1231.	2.7	3
12963	Utilization of catalyst deactivation for the growth of aligned and random carbon nanotubes by a single-step process. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1210-1216.	2.7	1
12964	Theoretical investigation of [5,5], [9,0] and [10,10] closed SWCNTs. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1249-1252.	2.7	67
12965	Computation of structural and electronic properties of single-wall II-VI compound nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1329-1337.	2.7	10
12966	First-principles simulation of the encapsulation of molecular hydrogen in C ₁₂₀ nanocapsules. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1433-1438.	2.7	24
12967	Electromagnetic characterization of carbon nanotube films by a two-point evanescent microwave method. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1539-1544.	2.7	5
12968	Small-scale effect on the free in-plane vibration of nanoplates by nonlocal continuum model. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1628-1633.	2.7	144
12969	Interaction of alkanethiols with single-walled carbon nanotubes: First-principles calculations. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1696-1700.	2.7	10

#	ARTICLE	IF	CITATIONS
12970	Investigation of the performance and band-to-band tunneling effect of a new double-halo-doping carbon nanotube field-effect transistor. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1767-1771.	2.7	26
12971	Ultra-long carbon nanotube growth on catalyst. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1723-1726.	2.7	9
12972	First-principles study of cobalt silicide nanosheet and nanotubes: Stability and electronic properties. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1795-1799.	2.7	5
12973	Raman spectrum of single-walled boron nitride nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1800-1805.	2.7	25
12974	Preparation and magnetic property of the composite of nitrogen-doped carbon nanotubes decorated with nickel nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1824-1827.	2.7	3
12975	Effects of vacancy percentage on the energy gap of zigzag single-wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1828-1831.	2.7	5
12976	A self-consistent and environment-dependent Hamiltonian for large-scale simulations of complex nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 1-16.	2.7	17
12977	Preparation of large-area double-walled carbon nanotube films and application as film heater. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 77-81.	2.7	76
12978	Vibrating carbon nanotube based bio-sensors. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 104-109.	2.7	165
12979	Ab initio density functional theory investigation of structural and electronic properties of double-walled silicon carbide nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 42, 172-175.	2.7	15
12980	Dispersion properties of low-frequency electrostatic oscillations in metallic carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 256-257.	2.1	12
12981	Molecular dynamics study of effects of radius and defect on oscillatory behaviors of C60 nanotube oscillators. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1058-1061.	2.1	28
12982	Small scale effect on vibration of embedded multilayered graphene sheets based on nonlocal continuum models. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1062-1069.	2.1	256
12983	Stability of sp carbon (carbyne) chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3554-3557.	2.1	14
12984	Mesomechanics of multiwall carbon nanotubes and nanowhiskers. Physical Mesomechanics, 2009, 12, 38-53.	1.9	14
12985	Photo-oxidation behaviour of polyethylene/multi-wall carbon nanotube composite films. Polymer Degradation and Stability, 2009, 94, 162-170.	5.8	51
12986	Preparation, properties and cytotoxicity evaluation of a biodegradable polyester elastomer composite. Polymer Degradation and Stability, 2009, 94, 1427-1435.	5.8	54
12987	Ultrasound assisted twin screw extrusion of polymer nanocomposites containing carbon nanotubes. Polymer, 2009, 50, 250-260.	3.8	169

#	ARTICLE	IF	CITATIONS
12988	The synthesis of functionalized carbon nanotubes by hyperbranched poly(amine-ester) with liquid-like behavior at room temperature. <i>Polymer</i> , 2009, 50, 2953-2957.	3.8	47
12989	Morphology, structure and properties of conductive PS/CNT nanocomposite electrospun mat. <i>Polymer</i> , 2009, 50, 3329-3342.	3.8	144
12990	Colloidal poly(styrene-co-butyl acrylate)/multi-walled carbon nanotubes nanocomposite by heterocoagulation in aqueous media. <i>Polymer</i> , 2009, 50, 3652-3660.	3.8	5
12991	Nanotubes as polymers. <i>Polymer</i> , 2009, 50, 4979-4997.	3.8	182
12992	A facile gemini surfactant-improved dispersion of carbon nanotubes in polystyrene. <i>Polymer</i> , 2009, 50, 5787-5793.	3.8	66
12993	The fluidized bed jet grinding of carbon nanotubes with a nozzle/target configuration. <i>Powder Technology</i> , 2009, 190, 372-384.	4.2	7
12994	Parameter setting on growth of carbon nanotubes over transition metal/alumina catalysts in a fluidized bed reactor. <i>Powder Technology</i> , 2009, 192, 16-22.	4.2	81
12995	Production of carbon nanotubes by single-pulse discharge in air. <i>Journal of Materials Processing Technology</i> , 2009, 209, 4413-4416.	6.3	23
12996	Hypothetical toroidal, cylindrical, and helical analogs of C60. <i>Journal of Molecular Graphics and Modelling</i> , 2009, 28, 220-225.	2.4	4
12997	Ferromagnetic resonance of cobalt nanoparticles used as a catalyst for the carbon nanotubes synthesis. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, L69-L72.	2.3	11
12998	Vibrational properties of single-wall BC3 nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 8-14.	4.0	10
12999	Electronic structure of BN nanotubes with intrinsic defects NB and BN and isoelectronic substitutional impurities PN, AsN, SbN, InB, GaB, and AlB. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 180-185.	4.0	24
13000	Controlled synthesis of light rare-earth hydroxide nanorods via a simple solution route. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 688-693.	4.0	41
13001	One-pot synthesis of single-crystalline Cu2O hollow nanocubes. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 719-722.	4.0	36
13002	Growth and characterization of pyrene crystals on carbon nanofibers. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 206, 148-154.	3.9	2
13003	Preparation and electrochemical performance of ultra-short carbon nanotubes. <i>Journal of Power Sources</i> , 2009, 186, 194-200.	7.8	54
13004	High performance electrochemical capacitors from aligned carbon nanotube electrodes and ionic liquid electrolytes. <i>Journal of Power Sources</i> , 2009, 189, 1270-1277.	7.8	336
13005	Study of different nanostructured carbon supports for fuel cell catalysts. <i>Journal of Power Sources</i> , 2009, 194, 243-251.	7.8	53

#	ARTICLE	IF	CITATIONS
13006	Two types of carbon nanocomposites: Graphite encapsulated iron nanoparticles and thin carbon nanotubes supported on thick carbon nanotubes, synthesized using PECVD. <i>Journal of Solid State Chemistry</i> , 2009, 182, 966-972.	2.9	9
13007	A conversion route towards tubular SiO ₂ using rod-like BaSiF ₆ as a novel template. <i>Journal of Solid State Chemistry</i> , 2009, 182, 1679-1684.	2.9	12
13008	Temperature and carbon source effects on methane-air flame synthesis of CNTs. <i>Proceedings of the Combustion Institute</i> , 2009, 32, 1855-1861.	3.9	38
13009	Nanoscale particles for polymer degradation and stabilization-Trends and future perspectives. <i>Progress in Polymer Science</i> , 2009, 34, 479-515.	24.7	560
13010	Synthesis, characterization and luminescence study of Eu(III) tungstates and molybdates nanotubes using carbon nanotubes as templates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 72, 348-355.	3.9	16
13011	Infrared and infrared emission spectroscopy of gallium oxide β -GaO(OH) nanostructures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 398-403.	3.9	37
13012	A review of carbon nanotube purification by microwave assisted acid digestion. <i>Separation and Purification Technology</i> , 2009, 66, 209-222.	7.9	114
13013	Modulated release of dexamethasone from chitosan-carbon nanotube films. <i>Sensors and Actuators A: Physical</i> , 2009, 155, 120-124.	4.1	44
13014	Recent progress in the development of nano-structured conducting polymers/nanocomposites for sensor applications. <i>Sensors and Actuators B: Chemical</i> , 2009, 136, 275-286.	7.8	494
13015	Low-humidity sensing properties of carbon nanotubes measured by a quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2009, 135, 506-511.	7.8	31
13016	Macronized aligned carbon nanotubes for use as catalyst support and ceramic nanoporous membrane template. <i>Catalysis Today</i> , 2009, 145, 76-84.	4.4	21
13017	Preparation and characterization of carbon nanotube-promoted Co-Cu catalyst for higher alcohol synthesis from syngas. <i>Catalysis Today</i> , 2009, 147, 158-165.	4.4	86
13018	Sensitive voltammetric determination of xanthinol nicotinate at a carbon nanotubes-ionic liquid gel modified electrode. <i>Chinese Chemical Letters</i> , 2009, 20, 849-851.	9.0	4
13019	Atomic detail observation of adsorbed molecules and metal clusters on carbon nanotube electron emitters. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2912-2919.	18.8	4
13020	Theoretical calculations of structures and properties of one-dimensional silicon-based nanomaterials: Particularities and peculiarities of silicon and silicon-containing nanowires and nanotubes. <i>Coordination Chemistry Reviews</i> , 2009, 253, 2935-2958.	18.8	38
13021	Synthesis and characterization of ZnO nanocrystals from thermolysis of new precursor. <i>Chemical Engineering Journal</i> , 2009, 146, 498-502.	12.7	144
13022	Synthesis of alumina nanofibers by a mercury-mediated method. <i>Ceramics International</i> , 2009, 35, 531-535.	4.8	11
13023	Preparation of alumina/carbon nanotubes composites by chemical precipitation. <i>Ceramics International</i> , 2009, 35, 1305-1310.	4.8	30

#	ARTICLE	IF	CITATIONS
13024	Industrially scalable process to separate catalyst substrate materials from MWNTs synthesised by fluidised-bed CVD on iron/alumina catalysts. Chemical Engineering Science, 2009, 64, 1511-1521.	3.8	17
13025	A first principles study of NO ₂ chemisorption on silicon carbide nanotubes. Chemical Physics, 2009, 355, 50-54.	1.9	49
13026	Carbon nanotubes as the sorbent for integrating 1/4-solid phase extraction within the needle of a syringe. Journal of Chromatography A, 2009, 1216, 2270-2274.	3.7	65
13027	Carbon nanotube-coated solid-phase microextraction metal fiber based on sol-gel technique. Journal of Chromatography A, 2009, 1216, 4641-4647.	3.7	111
13028	Evaluation of carbon nanocones/disks as sorbent material for solid-phase extraction. Journal of Chromatography A, 2009, 1216, 5626-5633.	3.7	59
13029	High extraction efficiency for polar aromatic compounds in natural water samples using multiwalled carbon nanotubes/Nafion solid-phase microextraction coating. Journal of Chromatography A, 2009, 1216, 9143-9148.	3.7	49
13030	Carbon nanotube field-effect transistor detector associated to gas chromatography for speciation of benzene, toluene, ethylbenzene, (o-, m- and p-)xylene. Journal of Chromatography A, 2009, 1216, 6517-6521.	3.7	10
13031	Dispersions, novel nanomaterial sensors and nanoconjugates based on carbon nanotubes. Advances in Colloid and Interface Science, 2009, 150, 63-89.	14.7	92
13032	Effect of morphology and concentration on capping ability of surfactant in shape controlled synthesis of PbS nano- and micro-crystals. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 345, 82-87.	4.7	18
13033	Fabrication of carbon nanotube sheets and their bilirubin adsorption capacity. Colloids and Surfaces B: Biointerfaces, 2009, 71, 255-259.	5.0	38
13034	Surface-enhanced oxidation and detection of Sunset Yellow and Tartrazine using multi-walled carbon nanotubes film-modified electrode. Colloids and Surfaces B: Biointerfaces, 2009, 74, 28-31.	5.0	88
13035	Strain monitoring in glass fiber reinforced composites embedded with carbon nanopaper sheet using Fiber Bragg Grating (FBG) sensors. Composites Part B: Engineering, 2009, 40, 134-140.	12.0	30
13036	Maximum nanotube volume fraction and its effect on overall elastic properties of nanotube-reinforced composites. Composites Part B: Engineering, 2009, 40, 212-217.	12.0	23
13037	SWNT composite coatings as a strain sensor on glass fibres in model epoxy composites. Composites Science and Technology, 2009, 69, 1547-1552.	7.8	36
13038	On the estimation of mechanical properties of single-walled carbon nanotubes by using a molecular-mechanics based FE approach. Composites Science and Technology, 2009, 69, 1394-1398.	7.8	81
13039	Facile attachment of magnetic nanoparticles to carbon nanotubes via robust linkages and its fabrication of magnetic nanocomposites. Composites Science and Technology, 2009, 69, 427-431.	7.8	32
13040	Underlying mechanics of active nanocomposites with tunable properties. Composites Science and Technology, 2009, 69, 545-552.	7.8	9
13041	Improved processing of carbon nanotube/magnesium alloy composites. Composites Science and Technology, 2009, 69, 1193-1199.	7.8	202

#	ARTICLE	IF	CITATIONS
13042	Dielectric behavior of polyaniline/CNTs composite in microwave region. Composites Science and Technology, 2009, 69, 1932-1935.	7.8	43
13043	Morphology and electrical properties of polyamide 6/polypropylene/multi-walled carbon nanotubes composites. Composites Science and Technology, 2009, 69, 2212-2217.	7.8	80
13044	Synthesis and characterization of externally doped sulfonated polyaniline/multi-walled carbon nanotube composites. Composites Science and Technology, 2009, 69, 2559-2565.	7.8	56
13045	Fracture and progressive failure of defective graphene sheets and carbon nanotubes. Composite Structures, 2009, 88, 602-609.	5.8	110
13046	Selective low temperature synthesis of carbon nanospheres via the catalytic decomposition of trichloroethylene. Applied Catalysis A: General, 2009, 352, 159-170.	4.3	23
13047	Hydrogen production and performance of nickel based catalysts synthesized using supercritical fluids for the gasification of biomass. Applied Catalysis B: Environmental, 2009, 93, 126-133.	20.2	45
13048	Lamp-assisted CVD of carbon micro/nano-structures using metal catalysts and CH ₂ I ₂ precursor. Applied Surface Science, 2009, 255, 5368-5372.	6.1	1
13049	Preparation of Cu/Zn/ZnO core-shell nanocomposite by wire electrical explosion and precipitation process in aqueous solution and CO sensing properties. Applied Surface Science, 2009, 255, 4045-4049.	6.1	36
13050	Laser surface treatment of screen-printed carbon nanotube emitters for enhanced field emission. Applied Surface Science, 2009, 255, 5770-5774.	6.1	20
13051	Ethylene glycol reflux synthesis of carbon nanotube/ceria core-shell nanowires. Applied Surface Science, 2009, 255, 5789-5794.	6.1	27
13052	Low-phosphorous nickel-coated carbon microcoils: Controlling microstructure through an electroless plating process. Applied Surface Science, 2009, 255, 6888-6893.	6.1	18
13053	Coating of carbon nanotubes on flexible substrate and its adhesion study. Applied Surface Science, 2009, 255, 7084-7089.	6.1	56
13054	Growth of patterned and aligned carbon nanotube bundles on micro-structured substrate. Applied Surface Science, 2009, 255, 7713-7718.	6.1	5
13055	Electrostatic self-assembly of Fe ₃ O ₄ nanoparticles on carbon nanotubes. Applied Surface Science, 2009, 255, 7999-8002.	6.1	49
13056	Morphology controlled solvothermal synthesis of Cd(OH) ₂ and CdO micro/nanocrystals on Cd foil. Applied Surface Science, 2009, 255, 8091-8097.	6.1	28
13057	Growth of apatite on chitosan-multiwall carbon nanotube composite membranes. Applied Surface Science, 2009, 255, 8551-8555.	6.1	23
13058	Preparation, characterization and photocatalytic activity of the neodymium-doped TiO ₂ nanotubes. Applied Surface Science, 2009, 255, 8624-8628.	6.1	63
13059	High ductility carbon nanoball. Applied Surface Science, 2009, 256, 112-115.	6.1	1

#	ARTICLE	IF	CITATIONS
13060	Functionalization of multiwalled carbon nanotubes for reinforcing of poly(l-lactide-co-ε-caprolactone) biodegradable copolymers. Applied Surface Science, 2009, 256, 170-177.	6.1	48
13061	Graphitic encapsulation of micron- and nano-sized Ni particles using ethylene as precursor. Applied Surface Science, 2009, 256, 194-201.	6.1	5
13062	Effects of total CH ₄ /Ar gas pressure on the structures and field electron emission properties of carbon nanomaterials grown by plasma-enhanced chemical vapor deposition. Applied Surface Science, 2009, 256, 1542-1547.	6.1	11
13063	A DNA nanomachine induced by single-walled carbon nanotubes on gold surface. Biomaterials, 2009, 30, 1739-1745.	11.4	54
13064	First-principles study of the B- or N-doping effects on chemical bonding characteristics between magnesium and single-walled carbon nanotubes. Chemical Physics Letters, 2009, 469, 145-148.	2.6	13
13065	Influence of metal coating on single-walled carbon nanotube: Molecular dynamics approach to determine tensile strength. Chemical Physics Letters, 2009, 469, 125-129.	2.6	40
13066	Guest species trapped inside carbon nanotubes. Chemical Physics Letters, 2009, 473, 146-150.	2.6	33
13067	First-principles theoretical analysis of pure and hydrogenated crystalline carbon phases and nanostructures. Chemical Physics Letters, 2009, 474, 168-174.	2.6	11
13068	Energetics and electronic structure of semiconducting nanotubes adsorbed on SiO_2 surfaces. Chemical Physics Letters, 2009, 474, 302-306.	2.6	7
13069	Investigation of (5,0) carbon nanotube-like boron structures using density functional theory. Chemical Physics Letters, 2009, 474, 311-314.	2.6	3
13070	Synthesis of large-scale SiC/SiO ₂ nanowires decorated with amorphous carbon nanoparticles and Raman and PL properties. Chemical Physics Letters, 2009, 475, 86-90.	2.6	17
13071	A novel endohedral silicon nanotube. Chemical Physics Letters, 2009, 478, 61-65.	2.6	10
13072	High structural stability of single wall carbon nanotube under quasi-hydrostatic high pressures. Chemical Physics Letters, 2009, 479, 91-94.	2.6	20
13073	Bulk synthesis route of the oriented arrays of tip-shape ZnO nanowires and an investigation of their sensing capabilities. Chemical Physics Letters, 2009, 480, 105-109.	2.6	24
13074	Hydrogenation of ultrasmall carbon nanotubes: A first principle study. Chemical Physics Letters, 2009, 480, 215-219.	2.6	10
13075	Interaction of nucleic acid bases with single-walled carbon nanotube. Chemical Physics Letters, 2009, 480, 269-272.	2.6	55
13076	Efficient production of H ₂ and carbon nanotube from CH ₄ over single wall carbon nanohorn. Chemical Physics Letters, 2009, 482, 269-273.	2.6	12
13077	Formation of graphene nanostructures on diamond nanowire surfaces. Chemical Physics Letters, 2009, 483, 128-132.	2.6	17

#	ARTICLE	IF	CITATIONS
13078	Charge transport in carbon nanotubes based materials: a Kuboâ€“Greenwood computational approach. Comptes Rendus Physique, 2009, 10, 283-296.	0.9	46
13079	Water purification of removal aqueous copper (II) by as-grown and modified multi-walled carbon nanotubes. Desalination, 2009, 249, 781-785.	8.2	62
13080	Szeged index of $\langle T \rangle_U \langle C \rangle_{mrow}^{18}$ nanotubes. European Journal of Combinatorics, 2009, 30, 1134-1141.	0.8	18
13081	Electrocatalytic evolution of hydrogen on porous alumina/gelcast-derived nano-carbon network composite electrode. Electrochemistry Communications, 2009, 11, 107-110.	4.7	24
13082	Synthesis and characterization of hybrid composites based on carbon nanotubes. Electrochimica Acta, 2009, 54, 6383-6388.	5.2	47
13083	Unusual electrochemical response of ZnO nanowires-decorated multiwalled carbon nanotubes. Electrochimica Acta, 2009, 55, 511-515.	5.2	25
13084	Atomistic-continuum modeling for mechanical properties of single-walled carbon nanotubes. International Journal of Solids and Structures, 2009, 46, 1695-1704.	2.7	70
13085	Preparation of gold nanoparticles/functionalized multiwalled carbon nanotube nanocomposites and its glucose biosensing application. Biosensors and Bioelectronics, 2009, 24, 1765-1770.	10.1	76
13086	Hydrogen peroxide biosensor based on the direct electrochemistry of myoglobin immobilized on silver nanoparticles doped carbon nanotubes film. Biosensors and Bioelectronics, 2009, 24, 2149-2154.	10.1	148
13087	Nanostructured materials for electrochemiluminescence (ECL)-based detection methods: Recent advances and future perspectives. Biosensors and Bioelectronics, 2009, 24, 3191-3200.	10.1	321
13088	Fixure-reduce method for the synthesis of Cu ₂ O/MWCNTs nanocomposites and its application as enzyme-free glucose sensor. Biosensors and Bioelectronics, 2009, 24, 3395-3398.	10.1	141
13089	Enhanced electrochemiluminescence of CdSe quantum dots composited with CNTs and PDDA for sensitive immunoassay. Biosensors and Bioelectronics, 2009, 24, 3352-3358.	10.1	155
13090	Regenerated bacterial cellulose/multi-walled carbon nanotubes composite fibers prepared by wet-spinning. Current Applied Physics, 2009, 9, e96-e99.	2.4	86
13091	Immobilization of horseradish peroxidase on multi-walled carbon nanotubes and its enzymatic stability. Current Applied Physics, 2009, 9, e263-e265.	2.4	28
13092	Effect of the experimental parameters on the structure of nitrogen-doped carbon nanotubes produced by aerosol chemical vapour deposition. Carbon, 2009, 47, 30-37.	10.3	127
13093	Methanol-mediated growth of carbon nanotubes. Carbon, 2009, 47, 324-327.	10.3	24
13094	Structure of hollow carbon nanocapsules synthesized by resistive heating. Carbon, 2009, 47, 138-144.	10.3	21
13095	Buckling of functionalized single-walled nanotubes under axial compression. Carbon, 2009, 47, 279-285.	10.3	25

#	ARTICLE	IF	CITATIONS
13096	The pH-dependence of oxygen reduction on multi-walled carbon nanotube modified glassy carbon electrodes. Carbon, 2009, 47, 651-658.	10.3	111
13097	Torsional instability of carbon nanotubes encapsulating C60 fullerenes. Carbon, 2009, 47, 507-512.	10.3	45
13098	Multifunctional hybrid materials composed of [60]fullerene-based functionalized-single-walled carbon nanotubes. Carbon, 2009, 47, 578-588.	10.3	73
13099	Structural evolution of carbon microcoils induced by a direct current. Carbon, 2009, 47, 670-674.	10.3	12
13100	Combination of hot extrusion and spark plasma sintering for producing carbon nanotube reinforced aluminum matrix composites. Carbon, 2009, 47, 570-577.	10.3	538
13101	Cap removal and shortening of double-walled and very-thin multi-walled carbon nanotubes under mild oxidative conditions. Carbon, 2009, 47, 675-682.	10.3	46
13102	Theoretical study of work function of conducting single-walled carbon nanotubes by a non-relativistic field theory approach. Carbon, 2009, 47, 690-695.	10.3	12
13103	The morphology, electrical conductivity and vapour sensing ability of inkjet-printed thin films of single-wall carbon nanotubes. Carbon, 2009, 47, 752-757.	10.3	43
13104	Remarkable hexagonal carbon tubes transformed from zinc tetrapyridylporphine. Carbon, 2009, 47, 534-538.	10.3	3
13105	Temperature effect on the formation of catalysts for growth of carbon nanofibers. Carbon, 2009, 47, 795-803.	10.3	41
13106	Determination of the surface area and porosity of carbon nanotube bundles from a Langmuirian analysis of sub- and supercritical adsorption data. Carbon, 2009, 47, 948-956.	10.3	42
13107	Functionalized carbon nanotube-bienzyme biocomposite for amperometric sensing. Carbon, 2009, 47, 957-966.	10.3	58
13108	High-density attachment of gold nanoparticles on functionalized multiwalled carbon nanotubes using ion exchange. Carbon, 2009, 47, 1209-1213.	10.3	30
13109	Electrochemical lithium ion storage properties of single-walled carbon nanotubes containing organic molecules. Carbon, 2009, 47, 1081-1086.	10.3	28
13110	Transport properties of hot-pressed bulk carbon nanotubes compacted by spark plasma sintering. Carbon, 2009, 47, 1135-1140.	10.3	28
13111	Anchoring zinc oxide quantum dots on functionalized multi-walled carbon nanotubes by covalent coupling. Carbon, 2009, 47, 1214-1219.	10.3	38
13112	Enhancement of electron field emission from carbon nanofiber bundles separately grown on Ni catalyst in Ni-Cr alloy. Carbon, 2009, 47, 1258-1263.	10.3	17
13113	Patterning of highly oriented pyrolytic graphite and glassy carbon surfaces by nanolithography and oxygen plasma etching. Carbon, 2009, 47, 1335-1342.	10.3	37

#	ARTICLE	IF	CITATIONS
13114	Catalytic synthesis of carbon nanotubes using Ni- and Co-doped calcium tartrates. Carbon, 2009, 47, 1701-1707.	10.3	26
13115	Effects of carbon nanotube functionalization on the mechanical and thermal properties of epoxy composites. Carbon, 2009, 47, 1723-1737.	10.3	381
13116	Analysis of the structure and chemical properties of some commercial carbon nanostructures. Carbon, 2009, 47, 1779-1798.	10.3	311
13117	Electron hopping conduction in highly disordered carbon coils. Carbon, 2009, 47, 1761-1769.	10.3	40
13118	The characterization and application of p-type semiconducting mesoporous carbon nanofibers. Carbon, 2009, 47, 1841-1845.	10.3	31
13119	Transportation of hydrogen molecules using carbon nanotubes in torsion. Carbon, 2009, 47, 1870-1873.	10.3	28
13120	Electrical conductivity of poly(vinylidene fluoride)/carbon nanotube composites with a spherical substructure. Carbon, 2009, 47, 2118-2120.	10.3	44
13121	The use of graphite oxide to produce mesoporous carbon supporting Pt, Ru, or Pd nanoparticles. Carbon, 2009, 47, 2120-2124.	10.3	39
13122	Analytical investigation of the composition of plasma-induced functional groups on carbon nanotube sheets. Carbon, 2009, 47, 2174-2185.	10.3	93
13123	Thermally activated model for tensile yielding of pristine single-walled carbon nanotubes with nonlinear elastic deformation. Carbon, 2009, 47, 2070-2076.	10.3	11
13124	Preparation of high purity carbon nanospheres by the chemical reaction of calcium carbide and oxalic acid. Carbon, 2009, 47, 2292-2295.	10.3	12
13125	Mechanical and barrier properties of epoxy resin filled with multi-walled carbon nanotubes. Carbon, 2009, 47, 2419-2430.	10.3	150
13126	Catalyst-free and template-free preparation of semi-cylindrical carbon nanoribbons. Carbon, 2009, 47, 2391-2395.	10.3	5
13127	Low temperature, non-isothermal growth of carbon nanotubes. Carbon, 2009, 47, 2671-2678.	10.3	9
13128	Assessment of dispersion in carbon nanotube reinforced composites using differential scanning calorimetry. Carbon, 2009, 47, 2699-2703.	10.3	64
13129	Synthesis and properties of macromer-grafted polymers for noncovalent functionalization of multiwalled carbon nanotubes. Carbon, 2009, 47, 2716-2726.	10.3	31
13130	Modified carbon nanotubes with liquid-like behavior at 45 Â°C. Carbon, 2009, 47, 2776-2781.	10.3	24
13131	Carbon nanotube imprinting on a polymer surface. Carbon, 2009, 47, 2840-2846.	10.3	33

#	ARTICLE	IF	CITATIONS
13132	Flexible free-standing carbon nanotube films for model lithium-ion batteries. Carbon, 2009, 47, 2976-2983.	10.3	306
13133	Controlling the yield and structure of carbon nanofibers grown on a nickel/activated carbon catalyst. Carbon, 2009, 47, 3023-3033.	10.3	32
13134	Functionalization of multi-walled carbon nanotubes with furan and maleimide compounds through Diels-Alder cycloaddition. Carbon, 2009, 47, 3041-3049.	10.3	101
13135	Decomposition of metal carbides as an elementary step of carbon nanotube synthesis. Carbon, 2009, 47, 3054-3062.	10.3	51
13136	Antibacterial and static dissipating composites of poly(butylene adipate-co-terephthalate) and multi-walled carbon nanotubes. Carbon, 2009, 47, 3091-3098.	10.3	44
13137	Influence of hydrogen on the formation of a thin layer of carbon nanofibers on Ni foam. Carbon, 2009, 47, 3175-3183.	10.3	30
13138	Porous carbon nanotube-reinforced metals and ceramics via a double templating approach. Carbon, 2009, 47, 3208-3214.	10.3	20
13139	Characterizing single-walled carbon nanotubes by pressure probe. Carbon, 2009, 47, 3247-3251.	10.3	4
13140	A double-layered carbon nanotube array with super-hydrophobicity. Carbon, 2009, 47, 3332-3336.	10.3	16
13141	The production of a flexible electroluminescent device on polyethylene terephthalate films using transparent conducting carbon nanotube electrode. Carbon, 2009, 47, 3461-3465.	10.3	45
13142	A molecular mechanics analysis of the buckling behavior of carbon nanorings under tension. Carbon, 2009, 47, 3508-3514.	10.3	21
13143	Structure and diameter-dependent bond lengths of a multi-walled carbon nanotube revealed by electron diffraction. Carbon, 2009, 47, 3515-3528.	10.3	22
13144	A lactate biosensor based on lactate dehydrogenase/nicotinamide adenine dinucleotide (oxidized) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biochemistry, 2009, 384, 159-165.	2.4	121
13145	Electrochemical DNA biosensor based on silver nanoparticles/poly(3-(3-pyridyl) acrylic acid)/carbon nanotubes modified electrode. Analytical Biochemistry, 2009, 387, 13-19.	2.4	106
13146	Amperometric sensor based on ferrocene-modified multiwalled carbon nanotube nanocomposites as electron mediator for the determination of glucose. Analytical Biochemistry, 2009, 385, 264-269.	2.4	181
13147	The effect of climber transit on the space elevator dynamics. Acta Astronautica, 2009, 64, 538-553.	3.2	43
13148	On the stability of the track of the space elevator. Acta Astronautica, 2009, 64, 524-537.	3.2	26
13149	Study of the activity and backscattered electron image of Pt/CNTs prepared by the polyol process for flue gas purification. Applied Catalysis A: General, 2009, 354, 57-62.	4.3	12

#	ARTICLE	IF	CITATIONS
13150	Performance of carbon nanomaterial (nanotubes and nanofibres) supported platinum and palladium catalysts for the hydrogenation of cinnamaldehyde and of 1-octyne. <i>Applied Catalysis A: General</i> , 2009, 362, 95-105.	4.3	72
13151	Preparation, characterization and catalytic properties of carbon nanofiber-supported Pt, Pd, Ru monometallic particles in aqueous-phase reactions. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 375-382.	20.2	70
13152	Gas phase kinetic and optical emission spectroscopy studies in plasma-enhanced hot filament catalytic CVD production of carbon nanotubes. <i>Applied Surface Science</i> , 2009, 255, 5177-5180.	6.1	5
13153	Field emission from carbon nanotube and tetrapod-like ZnO compound cathode fabricated by spin-coating method. <i>Applied Surface Science</i> , 2009, 255, 4636-4639.	6.1	20
13154	Growth of carbon nanotubes using nanocrystalline carbon catalyst. <i>Applied Surface Science</i> , 2009, 255, 6028-6032.	6.1	2
13155	Mineralization of surfactant functionalized multi-walled carbon nanotubes (MWNTs) to prepare hydroxyapatite/MWNTs nanohybrid. <i>Applied Surface Science</i> , 2009, 255, 7036-7039.	6.1	38
13156	Carbon nanotube field emission cathodes fabricated with chemical displacement plating. <i>Applied Surface Science</i> , 2009, 255, 7753-7758.	6.1	12
13157	Improved emission uniformity and stability of printed carbon nanotubes in electrolyte. <i>Applied Surface Science</i> , 2009, 255, 8672-8675.	6.1	3
13158	Hot filament CVD of Fe-Cr catalyst for thermal CVD carbon nanotube growth from liquid petroleum gas. <i>Applied Surface Science</i> , 2009, 256, 1365-1371.	6.1	38
13159	Carbon nanotube air-bubble interactions studied by atomic force microscopy. <i>Advanced Powder Technology</i> , 2009, 20, 257-261.	4.1	5
13160	Electrochemistry of N-n-undecyl-N ² -(sodium-p-aminobenzenesulfonate) thiourea and its interaction with bovine serum albumin. <i>Bioelectrochemistry</i> , 2009, 74, 232-235.	4.6	14
13161	Electrochemical and catalytic investigations of dopamine and uric acid by modified carbon nanotube paste electrode. <i>Bioelectrochemistry</i> , 2009, 75, 1-8.	4.6	143
13162	Electrochemical properties of catechin at a single-walled carbon nanotubes-cetylramethylammonium bromide modified electrode. <i>Bioelectrochemistry</i> , 2009, 75, 158-162.	4.6	32
13163	Electrochemistry at carbon nanotubes: perspective and issues. <i>Chemical Communications</i> , 2009, , 6886.	4.1	285
13164	Carbon nanotube as a Cherenkov-type light emitter and free electron laser. <i>Physical Review B</i> , 2009, 79, .	3.2	47
13165	Electronic structure of defects in a boron nitride monolayer. <i>European Physical Journal B</i> , 2009, 67, 507-512.	1.5	151
13166	Effects of initial compression stress on wave propagation in carbon nanotubes. <i>European Physical Journal B</i> , 2009, 69, 523-528.	1.5	23
13167	Electron transport in nanotube-ribbon hybrids. <i>European Physical Journal B</i> , 2009, 70, 497-505.	1.5	4

#	ARTICLE	IF	CITATIONS
13168	Electronic properties and quantum transport in Graphene-based nanostructures. European Physical Journal B, 2009, 72, 1-24.	1.5	185
13169	First-principle study on energetics and electronic structure of a single copper atomic chain bound in carbon nanotube. European Physical Journal B, 2009, 72, 119-126.	1.5	17
13170	X-ray diffraction study of the evolution of Fe-filled multiwalled carbon nanotubes under pressure. European Physical Journal B, 2009, 72, 145-151.	1.5	3
13171	Molecular dynamics simulations of phase transitions in argon-filled single-walled carbon nanotube bundles under high pressure. Physical Review B, 2009, 79, .	3.2	18
13172	Thermal Analysis Study of the Growth Kinetics of Carbon Nanotubes and Epitaxial Graphene Layers on Them. Journal of Physical Chemistry C, 2009, 113, 9623-9631.	3.1	32
13173	Nucleic Acid Conjugated Nanomaterials for Enhanced Molecular Recognition. ACS Nano, 2009, 3, 2451-2460.	14.6	303
13174	Continuous nanoparticle generation and assembly by atmospheric pressure arc discharge. Applied Physics Letters, 2009, 95, .	3.3	25
13175	Growth of chiral single-walled carbon nanotube caps in the presence of a cobalt cluster. Nanotechnology, 2009, 20, 215601.	2.6	18
13176	Microcontact Printing of Organic Self-Assembled Monolayers for Patterned Growth of Well-Aligned ZnO Nanorod Arrays and their Field-Emission Properties. Journal of the American Ceramic Society, 2009, 92, 2192-2196.	3.8	12
13177	Fabrication, Morphology and Cure Behavior of Triethylenetetramine-Grafted Multiwalled Carbon Nanotube/Epoxy Nanocomposites. Polymer Journal, 2009, 41, 752-763.	2.7	10
13178	Isothermal Melt Crystallization Kinetics Study of Biodegradable Poly(3-hydroxybutyrate)/Multiwalled Carbon Nanotubes Nanocomposites. Polymer Journal, 2009, 41, 888-892.	2.7	14
13179	Aligned Carbon Nanotube Stationary Phases for Electrochromatographic Chip Separations. Chromatographia, 2009, 69, 473-480.	1.3	72
13180	Oxidized Multiwalled Carbon Nanotubes as an SPME Fiber Coating for Rapid LC-UV Analysis of Benzimidazole Fungicides in Water. Chromatographia, 2009, 70, 753-759.	1.3	31
13181	Orthorhombic Bi ₂ GeO ₅ Nanobelts: Synthesis, Characterization, and Photocatalytic Properties. Crystal Growth and Design, 2009, 9, 1775-1779.	3.0	66
13182	Introduction to B ¹² C ¹² N Materials. , 2009, , 1-22.		6
13183	Colloidal Properties of Aqueous Suspensions of Acid-Treated, Multi-Walled Carbon Nanotubes. Environmental Science & Technology, 2009, 43, 819-825.	10.0	196
13184	Self-Assembled Organic Microtubes from Amphiphilic Molecules. Chemistry - an Asian Journal, 2009, 4, 226-235.	3.3	14
13185	Supramolecular Surface Modification and Solubilization of Single-Walled Carbon Nanotubes with Cyclodextrin Complexation. Chemistry - an Asian Journal, 2009, 4, 1562-1572.	3.3	18

#	ARTICLE	IF	CITATIONS
13186	Intrinsic Memory Function of Carbon Nanotube-based Ferroelectric Field-Effect Transistor. Nano Letters, 2009, 9, 921-925.	9.1	76
13187	Fast Production Method of Fe-Filled Carbon Nanotubes. Mechanics of Advanced Materials and Structures, 2009, 16, 63-68.	2.6	10
13188	Characterization of Nanomaterials by Physical Methods. Annual Review of Analytical Chemistry, 2009, 2, 435-462.	5.4	101
13189	ReSe2 nanotubes synthesized from sacrificial templates. Journal of Materials Chemistry, 2009, 19, 1532.	6.7	24
13190	Selective generation of single-walled carbon nanotubes with metallic, semiconducting and other unique electronic properties. Nanoscale, 2009, 1, 96.	5.6	56
13191	Can carbon nanotubes play a role in the field of nuclear waste management?. Environmental Science & Technology, 2009, 43, 1250-1255.	10.0	86
13192	Carbon nanotubes for lithium ion batteries. Energy and Environmental Science, 2009, 2, 638.	30.8	1,001
13193	ZnO and ZnS Nanostructures: Ultraviolet-Light Emitters, Lasers, and Sensors. Critical Reviews in Solid State and Materials Sciences, 2009, 34, 190-223.	12.3	306
13194	Voltammetric determination of sulfamethoxazole at a multiwalled carbon nanotube modified glassy carbon sensor and its application studies. Drug Testing and Analysis, 2009, 1, 350-354.	2.6	34
13195	The preferential electrocatalytic behaviour of graphite and multiwalled carbon nanotubes on enediol groups and their analytical implications in real domains. Analyst, The, 2009, 134, 657.	3.5	49
13196	Nano-adsorbents for the removal of metallic pollutants from water and wastewater. Environmental Technology (United Kingdom), 2009, 30, 583-609.	2.2	352
13197	Electrical Connectivity in Single-Walled Carbon Nanotube Networks. Nano Letters, 2009, 9, 3890-3895.	9.1	425
13198	Electron Tomography for Heterogeneous Catalysts and Related Nanostructured Materials. Chemical Reviews, 2009, 109, 1613-1629.	47.7	235
13199	Resists for sub-20-nm electron beam lithography with a focus on HSQ: state of the art. Nanotechnology, 2009, 20, 292001.	2.6	336
13200	Voltage effects on the production of nanocarbons by a unique arc-discharge set-up in solution. Journal of Experimental Nanoscience, 2009, 4, 331-339.	2.4	8
13201	Effective Condition for Purification of Multi-Walled Carbon Nanotubes by Nitric Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2009, 39, 204-208.	0.6	14
13202	Thermal conductivity of single-walled carbon nanotubes. Physical Review B, 2009, 80, .	3.2	79
13203	Intrinsic dipole moment on the capped carbon nanotubes. Physical Review B, 2009, 80, .	3.2	12

#	ARTICLE	IF	CITATIONS
13204	A carbon nanotube gas sensor fabricated by dielectrophoresis and its application for NH ₃ detection. , 2009, 2009, 6046-9.		2
13205	Morphology control of cobalt oxide nanocrystals for promoting their catalytic performance. Nanoscale, 2009, 1, 50.	5.6	242
13206	Nanoparticle catalysts. Journal Physics D: Applied Physics, 2009, 42, 233001.	2.8	196
13207	Theory of multiwall carbon nanotubes as waveguides and antennas in the infrared and the visible regimes. Physical Review B, 2009, 79, .	3.2	103
13208	Nanorings of Self-Assembled Fullerene C ₇₀ as Templating Nanoreactors. Journal of the American Chemical Society, 2009, 131, 16338-16339.	13.7	13
13209	Zebrafish as a correlative and predictive model for assessing biomaterial nanotoxicity. Advanced Drug Delivery Reviews, 2009, 61, 478-486.	13.7	235
13210	Nanotechnology and molecular physics. Moscow University Physics Bulletin (English Translation of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50, 2009, 4, 55-59.	0.4	0
13211	Multiwall carbon nanotubes and their applications. Russian Journal of General Chemistry, 2009, 79, 1982-1986.	0.8	7
13212	Effect of an external magnetic field on Landau damping in carbon nanotubes. Russian Journal of Physical Chemistry B, 2009, 3, 247-250.	1.3	0
13213	Electrophoresis in the tasks of purifying, separating, and integrating carbon nanotubes. Nanotechnologies in Russia, 2009, 4, 55-59.	0.7	7
13214	Nanocarbon studies in Russia: From fullerenes to nanotubes and nanodiamonds. Nanotechnologies in Russia, 2009, 4, 397-414.	0.7	9
13215	The formation and properties of one-dimensional FeHal ₂ (Hal = Cl, Br, I) nanocrystals in channels of single-walled carbon nanotubes. Nanotechnologies in Russia, 2009, 4, 634-646.	0.7	19
13216	STM/STS investigation of carbon nanotubes deposited on Bi ₂ Te ₃ surface. Open Physics, 2009, 7, .	1.7	2
13217	Superconductivity in covalent semiconductors. Open Physics, 2009, 7, .	1.7	5
13218	Interaction of Na, Mg, Al, Si with carbon nanotube (CNT): NMR and IR study. Russian Journal of Inorganic Chemistry, 2009, 54, 1465-1473.	1.3	32
13219	Modeling and calculations of the physicochemical parameters of diffusion of atomic hydrogen on the surface of differently sized nanotubes with different chiralities. Russian Journal of Physical Chemistry A, 2009, 83, 649-653.	0.6	1
13220	The adsorption of biogenic amines on carbon nanotubes. Russian Journal of Physical Chemistry A, 2009, 83, 1002-1005.	0.6	10
13221	The synthesis, structure, and properties of carbon-containing nanocomposites based on nickel, palladium, and iron. Russian Journal of Physical Chemistry A, 2009, 83, 1187-1193.	0.6	20

#	ARTICLE	IF	CITATIONS
13222	The properties of carbon-carbonic condensate synthesized in the plasma arc. Thermophysics and Aeromechanics, 2009, 16, 647-650.	0.5	4
13223	Nanotechnologies and nanomaterials in the modern world. Herald of the Russian Academy of Sciences, 2009, 79, 412-419.	0.6	2
13224	The composites of polyaniline with multiwall carbon nanotubes: Preparation, electrochemical properties, and conductivity. Russian Journal of Electrochemistry, 2009, 45, 1266-1275.	0.9	8
13225	Thermodynamics and kinetics of adsorption of atoms and molecules by carbon nanotubes. Journal of Experimental and Theoretical Physics, 2009, 108, 688-698.	0.9	14
13226	Measurements of work function of pristine and Cu doped carbon nanotubes. Journal of Experimental and Theoretical Physics, 2009, 109, 307-313.	0.9	8
13227	Thermoelectric power in carbon nanotubes. Semiconductors, 2009, 43, 480-484.	0.5	9
13228	Chemisorption of hydrogen by carbon nanotubes. Technical Physics, 2009, 54, 1612-1617.	0.7	7
13229	Systematics of High-Genus Fullerenes. Journal of Chemical Information and Modeling, 2009, 49, 1664-1668.	5.4	8
13230	Superior Activity of Structurally Deprived Enzyme~Carbon Nanotube Hybrids in Cationic Reverse Micelles. Langmuir, 2009, 25, 4421-4428.	3.5	63
13231	Single-layered chrysotile nanotubes: A quantum mechanical <i>ab initio</i> simulation. Journal of Chemical Physics, 2009, 131, 204701.	3.0	26
13232	Synthesis and Catalytic Performance of Pd Nanoparticle/Functionalized CNF Composites by a Two-Step Chemical Vapor Deposition of Pd(allyl)(Cp) Precursor. Chemistry of Materials, 2009, 21, 2360-2366.	6.7	40
13233	Interaction of a Single Water Molecule with a Single Graphite Layer: An Integrated ONIOM Study. Journal of Physical Chemistry C, 2009, 113, 6118-6123.	3.1	12
13234	Strong and ductile nanostructured Cu-carbon nanotube composite. Applied Physics Letters, 2009, 95, 071907.	3.3	65
13235	Claromatic Carbon Nanostructures. Journal of Physical Chemistry C, 2009, 113, 19123-19133.	3.1	69
13236	Physico-Chemical Properties of Iodine-Adsorbed Single-Walled Carbon Nanotubes. Langmuir, 2009, 25, 1795-1799.	3.5	16
13237	Tailoring the Morphology of Carbon Nanotube Arrays: From Spinnable Forests to Undulating Foams. ACS Nano, 2009, 3, 2157-2162.	14.6	96
13238	Radial thermal expansion of pure and Xe-saturated bundles of single-walled carbon nanotubes at low temperatures. Low Temperature Physics, 2009, 35, 484-490.	0.6	31
13239	Study of Gallium Fragments Encapsulated in Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 567-570.	3.1	8

#	ARTICLE	IF	CITATIONS
13240	Sandwich-Type Polymer Nanofiber Structure of Poly(furfuryl Alcohol): An Effective Template for Ordered Porous Films. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12477-12481.	2.6	3
13241	Development of Hexagonal Closed-Packed Cobalt Nanoparticles Stable at High Temperature. <i>Chemistry of Materials</i> , 2009, 21, 5637-5643.	6.7	81
13242	Strain sensing using a multiwalled carbon nanotube film. <i>Journal of Strain Analysis for Engineering Design</i> , 2009, 44, 555-562.	1.8	75
13243	Fabrication and Characterization of Indium Tin Oxide-Carbon Nanotube Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15538-15543.	3.1	7
13244	Synthesis and Characterization of PMMA/MWNT Nanocomposites Prepared by in Situ Polymerization with Ni(acac) ₂ Catalyst. <i>Macromolecules</i> , 2009, 42, 8649-8654.	4.8	34
13245	Cobalt Nanoparticle-Assisted Engineering of Multiwall Carbon Nanotubes. <i>ACS Nano</i> , 2009, 3, 2632-2638.	14.6	32
13246	Minimum in Diffusion Coefficient with Increasing MWCNT Concentration Requires Tracer Molecules To Be Larger than Nanotubes. <i>Macromolecules</i> , 2009, 42, 8365-8369.	4.8	33
13247	Carbon Nanotube Enhanced Gripping in Polymer-Based Actuators. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7223-7226.	3.1	24
13248	Radiative Cooling: Lattice Quantization and Surface Emissivity in Thin Coatings. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 1334-1338.	8.0	78
13249	Scalable Functional Group Engineering of Carbon Nanotubes by Improved One-Step Nitrene Chemistry. <i>Chemistry of Materials</i> , 2009, 21, 360-370.	6.7	148
13250	In Situ Growth of Tin Oxide Nanowires, Nanobelts, and Nanodendrites On the Surface of Iron-Doped Tin Oxide/Multiwalled Carbon Nanotube Nanocomposites. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20583-20588.	3.1	9
13251	Strategy for High Concentration Nanodispersion of Single-Walled Carbon Nanotubes with Diameter Selectivity. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10044-10051.	3.1	17
13252	Effect of Phosphate Inhibitors on the Formation of Lead Phosphate/Carbonate Nanorods, Microrods, and Dendritic Structures. <i>Crystal Growth and Design</i> , 2009, 9, 1798-1805.	3.0	10
13253	Carbon Nanotube Reinforced Porous Gels of Poly(methyl methacrylate) with Nonsolvents as Porogens. <i>Langmuir</i> , 2009, 25, 7042-7049.	3.5	19
13254	A Review on Carbon Epoxy Nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2009, 28, 461-487.	3.1	77
13255	Thermomechanical Manipulation of Aromatic Peptide Nanotubes. <i>Langmuir</i> , 2009, 25, 7256-7259.	3.5	26
13256	Thermodynamic stability and electronic structure of small carbon nitride nanotubes. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 144203.	1.8	16
13257	Conductance Enhancement in Nanographene-Gold Junctions by Molecular π -Stacking. <i>Journal of the American Chemical Society</i> , 2009, 131, 14857-14867.	13.7	25

#	ARTICLE	IF	CITATIONS
13258	Effect of Manganese Addition to the Co-MCM-41 Catalyst in the Selective Synthesis of Single Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 21611-21620.	3.1	47
13259	Design and characterization of a carbon-nanotube-reinforced adhesive coating for piezoelectric ceramic discs. Smart Materials and Structures, 2009, 18, 125001.	3.5	11
13260	Double-Wall Anodic Titania Nanotube Arrays for Water Photooxidation. Langmuir, 2009, 25, 8240-8247.	3.5	90
13261	[60]-Fullerene and Single-Walled Carbon Nanotube-Based Ultrathin Films Stepwise Grafted onto a Self-Assembled Monolayer on ITO. Langmuir, 2009, 25, 10834-10842.	3.5	12
13262	Formation of CeO_2 Nanotubes from $\text{Ce}(\text{OH})\text{CO}_3$ Nanorods through Kirkendall Diffusion. Inorganic Chemistry, 2009, 48, 1334-1338.	4.0	66
13263	High-Sensitive Glutamate Biosensor Based on NADH at Lauth's Violet/Multiwalled Carbon Nanotubes Composite Film on Gold Substrates. Journal of Physical Chemistry B, 2009, 113, 1511-1516.	2.6	15
13264	Comparative Study of Different Cross-Linking Agents for the Immobilization of Functionalized Carbon Nanotubes within a Chitosan Film Supported on a Graphite-Epoxy Composite Electrode. Analytical Chemistry, 2009, 81, 5364-5372.	6.5	91
13265	RCS of circular carbon NANO tube antenna array. , 2009, , .		2
13266	Carbon Nanotubes Toxicity. , 2009, , 47-67.		5
13267	Catalytic Growth of Doped ZnO/GeO_2 Core-Shell Nanorods. Journal of Physical Chemistry C, 2009, 113, 13689-13693.	3.1	8
13268	Novel Application of Carbon Nanotubes for Improving Resolution in Detecting Human Serum Proteins with Native Polyacrylamide Gel Electrophoresis. Nano Letters, 2009, 9, 1320-1324.	9.1	15
13269	Fabrication of SWNT/Silica Composites by the Sol-Gel Process. ACS Applied Materials & Interfaces, 2009, 1, 181-186.	8.0	30
13270	Zn-Doped Gallium Nitride Nanotubes with Zigzag Morphology. Journal of Physical Chemistry C, 2009, 113, 14633-14637.	3.1	22
13271	Self-Assembled Nanoparticle-Nanotube Structures (nanoPaNTs) Based on Antenna Chemistry of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 18863-18869.	3.1	5
13272	Tellurium Nanowire-Induced Room Temperature Conversion of Graphite Oxide to Leaf-like Graphenic Structures. Journal of Physical Chemistry C, 2009, 113, 1727-1737.	3.1	76
13273	Diameter dependent strength of carbon nanotube reinforced composite. Applied Physics Letters, 2009, 95, 021901.	3.3	39
13274	Computational Characterization of Hexagonally Ordered Carbon Nanopipes CMK-5 and Structural Optimization for H_2 Storage. Langmuir, 2009, 25, 10863-10872.	3.5	20
13275	Lithium-Doped Germanium Nanowire? Experimental and Theoretical Indication. Journal of Physical Chemistry C, 2009, 113, 10858-10867.	3.1	22

#	ARTICLE	IF	CITATIONS
13276	New Highly Conductive Nickel Nanowire-Filled P(VDF-TrFE) Copolymer Nanocomposites: Elaboration and Structural Study. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12002-12006.	3.1	37
13277	Static and alternating electric field and distance-dependent effects on carbon nanotube-assisted water self-diffusion across lipid membranes. <i>Journal of Chemical Physics</i> , 2009, 131, 114508.	3.0	53
13278	Carbon Nanotube-Filled Nanofibrous Membranes Electrospun from Poly(acrylonitrile-co-acrylic acid) for Glucose Biosensor. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2955-2960.	3.1	74
13279	ZnO Nanotubes Grown at Low Temperature Using Ga as Catalysts and Their Enhanced Photocatalytic Activities. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10379-10383.	3.1	51
13280	Mechanism and Optimization of Metal Deposition onto Vertically Aligned Single-Walled Carbon Nanotube Arrays. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14230-14235.	3.1	9
13281	Influence of Polymer Structures on Optical Power Limiting Performance of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13979-13984.	3.1	19
13282	Assembly of functional nanodebice using platinum/ tungsten nanowire. , 2009, , .		0
13283	Breakdown of structural models for vibrations of single-wall zigzag carbon nanotubes. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	23
13284	Synthesis and Characterization of Nucleobase~Carbon Nanotube Hybrids. <i>Journal of the American Chemical Society</i> , 2009, 131, 13555-13562.	13.7	71
13285	Comparison of the Local Order in Highly Oriented Pyrolytic Graphite and Bundles of Single-Wall Carbon Nanotubes by Nanoscale Extended Energy Loss Spectra. <i>Journal of Physical Chemistry C</i> , 2009, 113, 4848-4855.	3.1	9
13286	Hidden Caves in an Aggregate of Single-Wall Carbon Nanohorns Found by Using $Gd_{2}O_{3}$ Probes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2741-2744.	3.1	24
13287	Overview of Carbon Nanotubes for High Frequency Electronics. , 2009, , .		0
13288	Crystallisation behaviour and morphological characteristics of poly(propylene)/multi-walled carbon nanotube nanocomposites. <i>Journal of Experimental Nanoscience</i> , 2009, 4, 21-34.	2.4	21
13289	Direct Electrochemistry of Hemoglobin in Chitosan/Multiwalled Carbon Nanotubes/Ionic Liquid~Modified Carbon-Paste Electrode. <i>Analytical Letters</i> , 2009, 42, 2460-2473.	1.8	5
13290	Enhancement of Carbon Nanofilaments Formation Density and the Surface Electrical Conductivity by the Gas Phase Composition Cycling. <i>Molecular Crystals and Liquid Crystals</i> , 2009, 513, 179-186.	0.9	0
13291	Advanced high density interconnect materials and techniques. , 2009, , .		7
13292	The MoS ₂ nanotube hybrids. <i>Applied Physics Letters</i> , 2009, 95, 133122.	3.3	49
13294	Nanoparticles for biomedical imaging. <i>Expert Opinion on Drug Delivery</i> , 2009, 6, 1175-1194.	5.0	369

#	ARTICLE	IF	CITATIONS
13295	Molecular dynamics study of damage production in single-walled carbon nanotubes irradiated by various ion species. <i>Nanotechnology</i> , 2009, 20, 125706.	2.6	20
13296	Working mechanism of a SiC nanotube NO ₂ gas sensor. <i>Journal of Semiconductors</i> , 2009, 30, 114010.	3.7	15
13297	Incremental Variation in the Number of Carbon Nanotube Walls with Growth Temperature. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2212-2218.	3.1	22
13298	Transition-Metal Strings Templated on Boron-Doped Carbon Nanotubes: A DFT Investigation. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15346-15354.	3.1	12
13299	A simple recycling and reuse hydrothermal route to ZnO nanorod arrays, nanoribbon bundles, nanosheets, nanocubes and nanoparticles. <i>Chemical Communications</i> , 2009, , 2762.	4.1	47
13300	Chemisorption of Transition-Metal Atoms on Boron- and Nitrogen-Doped Carbon Nanotubes: Energetics and Geometric and Electronic Structures. <i>Journal of Physical Chemistry C</i> , 2009, 113, 7069-7078.	3.1	71
13301	Radial Collapse of Single-Walled Carbon Nanotubes Induced by the Cu ₂ O Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3120-3126.	3.1	30
13302	Generalized Classification Scheme of Toroidal and Helical Carbon Nanotubes. <i>Journal of Chemical Information and Modeling</i> , 2009, 49, 361-368.	5.4	43
13303	Defect Healing during Single-Walled Carbon Nanotube Growth: A Density-Functional Tight-Binding Molecular Dynamics Investigation. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20198-20207.	3.1	58
13304	Chemical Modification: an Effective Way of Avoiding the Collapse of SWNTs on Al Surface Revealed by Molecular Dynamics Simulations. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14747-14752.	3.1	20
13306	Experimental Thermodynamics of High Temperature Transformations in Single-Walled Carbon Nanotube Bundles. <i>Journal of the American Chemical Society</i> , 2009, 131, 12474-12482.	13.7	12
13307	Charging Nanowalls: Adjusting the Carbon Nanotube Isoelectric Point via Surface Functionalization. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14102-14109.	3.1	62
13308	Ideal Polyhedral Model for Boron Nanotubes with Distinct Bond Lengths. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19794-19805.	3.1	17
13309	Quantum Mechanical Quantification of Weakly Interacting Complexes of Peptides with Single-Walled Carbon Nanotubes. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 2879-2885.	5.3	38
13310	Multiwalled Carbon-Nanotube-Embedded Microcapsules and Their Electrochemical Behavior. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3967-3972.	3.1	29
13311	Patterned Organic and Inorganic Composites for Electronic Applications. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5777-5783.	3.1	25
13312	From Borax to Ultralong One-Dimensional Boric Acid. <i>Journal of Physical Chemistry C</i> , 2009, 113, 2699-2703.	3.1	11
13313	Dispersion of Multiwalled Carbon Nanotubes in Aqueous Pluronic F127 Solutions for Biological Applications. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 11-25.	2.1	49

#	ARTICLE	IF	CITATIONS
13314	Coherent Phonon Dynamics in Single-Walled Carbon Nanotubes Studied by Time-Frequency Two-Dimensional Coherent Anti-Stokes Raman Scattering Spectroscopy. Nano Letters, 2009, 9, 1378-1381.	9.1	25
13315	Layer-by-Layer Self-Assembled Single-Walled Carbon Nanotubes Based Ion-Sensitive Conductometric Glucose Biosensors. IEEE Sensors Journal, 2009, 9, 449-456.	4.7	35
13316	Structural Characterization of a Nanocrystalline Inorganic-Organic Hybrid with Fiberlike Morphology and One-Dimensional Antiferromagnetic Properties. Chemistry of Materials, 2009, 21, 3356-3369.	6.7	36
13317	Electric Conductivity of Phosphorus Nanowires. Chinese Physics Letters, 2009, 26, 056101.	3.3	0
13318	Dielectrophoretic Assembly of High-Density Arrays of Individual Graphene Devices for Rapid Screening. ACS Nano, 2009, 3, 1729-1734.	14.6	76
13319	First-Principles Calculations on the Emission Properties of Pristine and N-Doped Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 812-818.	3.1	29
13320	Wrinkling of monolayer graphene: A study by molecular dynamics and continuum plate theory. Physical Review B, 2009, 80, .	3.2	76
13321	Preferential elimination of metallic single-walled carbon nanotubes using microwave irradiation. Nanotechnology, 2009, 20, 065707.	2.6	34
13322	Controlled growth and field emission of vertically aligned AlN nanostructures with different morphologies. Chinese Physics B, 2009, 18, 2016-2023.	1.4	8
13323	Mechanical reinforcement and crystallization behavior of poly(ethylene 2,6-naphthalate) nanocomposites induced by modified carbon nanotube. Composites Part A: Applied Science and Manufacturing, 2009, 40, 45-53.	7.6	69
13324	Effect of oxidation treatment of multiwalled carbon nanotubes on the mechanical and electrical properties of their epoxy composites. Composites Part A: Applied Science and Manufacturing, 2009, 40, 778-783.	7.6	104
13325	Reinforcement and toughening of poly(vinyl chloride) with poly(caprolactone) grafted carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1476-1481.	7.6	21
13326	Improvement of the properties of PC/LCP blends in the presence of carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1291-1298.	7.6	30
13327	Structural characterization of a mechanically milled carbon nanotube/aluminum mixture. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1482-1489.	7.6	156
13328	Investigation of the electrical conductivity of HDPE composites filled with bundle-like MWNTs. Composites Part A: Applied Science and Manufacturing, 2009, 40, 1717-1721.	7.6	35
13329	Aqueous suspensions of carbon nanotubes: Surface oxidation, colloidal stability and uranium sorption. Environmental Pollution, 2009, 157, 1088-1094.	7.5	274
13330	Co-based catalysts from Co/Fe/Al layered double hydroxides for preparation of carbon nanotubes. Applied Clay Science, 2009, 42, 405-409.	5.2	89
13331	Ab initio study of confinement and surface effects in hexagonal AlN nanotubes. Computational Materials Science, 2009, 45, 305-309.	3.0	21

#	ARTICLE	IF	CITATIONS
13332	Single walled MgF2 nanotubes. Computational Materials Science, 2009, 46, 233-238.	3.0	11
13333	Structure of chiral single-walled carbon nanotubes under hydrostatic pressure. Computational Materials Science, 2009, 46, 297-302.	3.0	19
13334	A comparative study of Young's modulus of single-walled carbon nanotube by CPMD, MD and first principle simulations. Computational Materials Science, 2009, 46, 621-625.	3.0	84
13335	Thermo-mechanical vibration of a single-walled carbon nanotube embedded in an elastic medium based on nonlocal elasticity theory. Computational Materials Science, 2009, 46, 854-859.	3.0	237
13336	A framework for stress computation in single-walled carbon nanotubes under uniaxial tension. Computational Materials Science, 2009, 46, 1135-1143.	3.0	26
13337	Thermal-conductivity and tensile-properties of BN, SiC and Ge nanotubes. Computational Materials Science, 2009, 47, 220-224.	3.0	42
13338	Vibrational analysis of carbon nanotubes and graphene sheets using molecular structural mechanics approach. Computational Materials Science, 2009, 47, 79-85.	3.0	74
13339	Vibration analysis of multi-walled carbon nanotubes using a spring-mass based finite element model. Computational Materials Science, 2009, 47, 168-177.	3.0	54
13340	Small scale effect on the buckling of single-layered graphene sheets under biaxial compression via nonlocal continuum mechanics. Computational Materials Science, 2009, 47, 268-274.	3.0	244
13341	Nonlinear free vibration of embedded double-walled carbon nanotubes based on nonlocal Timoshenko beam theory. Computational Materials Science, 2009, 47, 409-417.	3.0	224
13342	Nonlocal scale effects on wave propagation in multi-walled carbon nanotubes. Computational Materials Science, 2009, 47, 526-538.	3.0	107
13343	Immobilization of DNA on nano-hydroxyapatite and their interaction with carbon nanotubes. Synthetic Metals, 2009, 159, 238-245.	3.9	28
13344	Voltammetric study of fullerene C60 and fullerene C60 nanotubes with sandwich method. Synthetic Metals, 2009, 159, 419-423.	3.9	13
13345	Electrical and optical properties of carbon nanotube/polypyrrole addressable intra-connects. Synthetic Metals, 2009, 159, 462-466.	3.9	3
13346	Morphological characterization of electrospun carbon nanofiber mats of polyacrylonitrile containing heteropolyacids. Synthetic Metals, 2009, 159, 1496-1504.	3.9	19
13347	Direct electrochemistry and electrocatalysis of heme proteins on SWCNTs-CTAB modified electrodes. Talanta, 2009, 77, 1343-1350.	5.5	68
13348	An electrochemiluminescent biosensor for glucose based on the electrochemiluminescence of luminol on the nafion/glucose oxidase/poly(nickel(II)tetrakisulfophthalocyanine)/multi-walled carbon nanotubes modified electrode. Talanta, 2009, 78, 76-80.	5.5	63
13349	An electrochemical biosensor for detection of PML/RARA fusion gene using capture probe covalently immobilized onto poly-calcon carboxylic acid modified glassy carbon electrode. Talanta, 2009, 78, 1227-1234.	5.5	41

#	ARTICLE	IF	CITATIONS
13350	Amperometric biosensor for hydrogen peroxide based on coimmobilized horseradish peroxidase and methylene green in ormosils matrix with multiwalled carbon nanotubes. <i>Talanta</i> , 2009, 79, 38-45.	5.5	63
13351	Electro-oxidation and determination of trazodone at multi-walled carbon nanotube-modified glassy carbon electrode. <i>Talanta</i> , 2009, 79, 361-368.	5.5	60
13352	Single-walled carbon nanohorn as new solid-phase extraction adsorbent for determination of 4-nitrophenol in water sample. <i>Talanta</i> , 2009, 79, 1441-1445.	5.5	91
13353	Direct electrochemical determination of carbaryl using a multi-walled carbon nanotube/cobalt phthalocyanine modified electrode. <i>Talanta</i> , 2009, 79, 1406-1411.	5.5	110
13354	Voltammetric studies of sumatriptan on the surface of pyrolytic graphite electrode modified with multi-walled carbon nanotubes decorated with silver nanoparticles. <i>Talanta</i> , 2009, 80, 31-38.	5.5	83
13355	A novel nonenzymatic hydrogen peroxide sensor based on multi-wall carbon nanotube/silver nanoparticle nanohybrids modified gold electrode. <i>Talanta</i> , 2009, 80, 1029-1033.	5.5	285
13356	Amperometric detection of dopamine based on tyrosinase@SWNTs@Ppy composite electrode. <i>Talanta</i> , 2009, 80, 1007-1011.	5.5	121
13357	Nanotechnology, nanotoxicology, and neuroscience. <i>Progress in Neurobiology</i> , 2009, 87, 133-170.	5.7	356
13358	Preparation and growth mechanism of clustered one-dimensional SiO _x amorphous nanowires by catalytic pyrolysis of a polymer precursor. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 2156-2159.	3.1	7
13359	Rapid microwave synthesis of chitosan modified carbon nanotube composites. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 316-319.	7.5	19
13360	Catalytic synthesis of carbon nanostructures using Fe(OH) ₃ /Al as catalyst precursors. <i>Journal of Alloys and Compounds</i> , 2009, 468, 64-68.	5.5	12
13361	Syntheses of Nd ₂ O ₃ nanowires through sol-gel process assisted with porous anodic aluminum oxide (AAO) template. <i>Journal of Alloys and Compounds</i> , 2009, 469, 332-335.	5.5	33
13362	Fabrication of aluminum nitride (AlN) hollow fibers by carbothermal reduction and nitridation of electrospun precursor fibers. <i>Journal of Alloys and Compounds</i> , 2009, 471, 400-403.	5.5	37
13363	Preparation and electromagnetic and microwave absorbing properties of Fe-filled carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2009, 471, 457-460.	5.5	131
13364	Synthesis of carbon nanohorns by the simple catalytic method. <i>Journal of Alloys and Compounds</i> , 2009, 473, 288-292.	5.5	8
13365	Growth mechanism and optical properties of ZnO nanotube by the hydrothermal method on Si substrates. <i>Journal of Alloys and Compounds</i> , 2009, 475, 741-744.	5.5	44
13366	Novel nanocarbons with a mushroom shape found in glassy carbon powder. <i>Journal of Alloys and Compounds</i> , 2009, 483, 491-494.	5.5	4
13367	Tribological and mechanical behavior of carbon nanotube containing brake lining materials prepared through sol-gel catalyst dispersion and CVD process. <i>Journal of Alloys and Compounds</i> , 2009, 483, 389-393.	5.5	18

#	ARTICLE	IF	CITATIONS
13368	Bimetallic and trimetallic catalyzed carbon nanotubes for aqueous H ₂ , Cl ₂ fuel cell electrodes. Journal of Alloys and Compounds, 2009, 476, 697-704.	5.5	6
13369	A simple approach for the growth of highly ordered ZnO nanotube arrays. Journal of Alloys and Compounds, 2009, 476, 903-907.	5.5	29
13370	In situ synthesis of carbon onion/nanotube reinforcements in copper powders. Journal of Alloys and Compounds, 2009, 476, 869-873.	5.5	16
13371	ZnO nanotriangles: Synthesis, characterization and optical properties. Journal of Alloys and Compounds, 2009, 476, 908-912.	5.5	131
13372	Effects of FeOx, CoOx, and NiO catalysts and calcination temperatures on the synthesis of single-walled carbon nanotubes through chemical vapor deposition of methane. Journal of Alloys and Compounds, 2009, 477, 785-788.	5.5	24
13373	Preparation of silicate stalagmite from sodium silicate. Journal of Alloys and Compounds, 2009, 478, 411-414.	5.5	17
13374	Surface functionalization of multi-walled carbon nanotubes via electron reduction of benzophenone by potassium metal. Journal of Alloys and Compounds, 2009, 480, 534-536.	5.5	11
13375	Hydrogen uptake of multiwalled carbon nanotubes decorated with Pt-Pd alloy using thermal vapour deposition method. Journal of Alloys and Compounds, 2009, 480, L20-L24.	5.5	30
13376	Fabrication of carbon nanomaterials by chemical vapor deposition. Journal of Alloys and Compounds, 2009, 484, 6-11.	5.5	14
13377	Syntheses of carbon nanomaterials by radio frequency plasma enhanced chemical vapor deposition. Journal of Alloys and Compounds, 2009, 486, 265-272.	5.5	12
13378	Influence of Mn doping on the microstructure and optical properties of CdS. Journal of Alloys and Compounds, 2009, 486, 702-705.	5.5	56
13379	Mechanical properties and microstructures of carbon nanotube-reinforced Al matrix composite fabricated by in situ chemical vapor deposition. Journal of Alloys and Compounds, 2009, 487, 258-262.	5.5	124
13380	Effects of carbon nanotubes on primary neurons and glial cells. NeuroToxicology, 2009, 30, 702-711.	3.0	166
13381	The stabilities of gallium nanowires with different phases encapsulated in a carbon nanotube. Journal of Applied Physics, 2009, 105, 054308.	2.5	15
13382	SDS Surfactants on Carbon Nanotubes: Aggregate Morphology. ACS Nano, 2009, 3, 595-602.	14.6	237
13383	Measuring the thermal conductivity of individual carbon nanotubes by the Raman shift method. Nanotechnology, 2009, 20, 145702.	2.6	157
13384	Synthesis of MWCNTs using CVD without metallic catalysts. , 2009, , .		1
13385	Thermal and Structural Behaviors of Polypropylene Nanocomposites Reinforced with Single-Walled Carbon Nanotubes by Melt Processing Method. Journal of Macromolecular Science - Physics, 2009, 48, 196-211.	1.0	19

#	ARTICLE	IF	CITATIONS
13386	Electrochemical Sensors Based on Carbon Nanotubes. <i>Sensors</i> , 2009, 9, 2289-2319.	3.8	295
13387	Nanomaterial-Assisted Signal Enhancement of Hybridization for DNA Biosensors: A Review. <i>Sensors</i> , 2009, 9, 7343-7364.	3.8	43
13388	Recent Development of Nano-Materials Used in DNA Biosensors. <i>Sensors</i> , 2009, 9, 5534-5557.	3.8	127
13389	Fluorescent Carbon Nanotubes in Cross-Linked Micelles. <i>Chemistry of Materials</i> , 2009, 21, 436-438.	6.7	3
13390	High-field electrothermal transport in metallic carbon nanotubes. <i>Physical Review B</i> , 2009, 80, .	3.2	12
13391	Molecular dynamics of a water jet from a carbon nanotube. <i>Physical Review E</i> , 2009, 79, 046307.	2.1	24
13392	Self-Assembly of Metal Oxides into Three-Dimensional Nanostructures: Synthesis and Application in Catalysis. <i>ACS Nano</i> , 2009, 3, 728-736.	14.6	313
13393	Nanocomposite and Nanostructured Coatings: Recent Advancements. <i>ACS Symposium Series</i> , 2009, , 2-21.	0.5	34
13394	Resonant pull-in of a double-sided driven nanotube-based electromechanical resonator. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	22
13395	Optical fiber nanowires and microwires: fabrication and applications. <i>Advances in Optics and Photonics</i> , 2009, 1, 107.	25.5	311
13396	Multi-walled carbon nanotubes: Lack of mutagenic activity in the bacterial reverse mutation assay. <i>Toxicology Letters</i> , 2009, 184, 192-197.	0.8	101
13397	Study on the growth of Carbon Nanotubes with different Fe precursor. , 2009, , .		0
13398	Stability and Electronic Properties of a Novel C-BN Heteronanotube from First-Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13108-13114.	3.1	46
13399	Static, rheological and mechanical properties of polymer nanocomposites studied by computer modeling and simulation. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 11365.	2.8	60
13400	Nanostructured Pt decorated graphene and multi walled carbon nanotube based room temperature hydrogen gas sensor. <i>Nanoscale</i> , 2009, 1, 382.	5.6	335
13401	Organic functionalisation and characterisation of single-walled carbon nanotubes. <i>Chemical Society Reviews</i> , 2009, 38, 2214.	38.1	557
13402	Nanotubes, Nanorods, Nanofibers, and Fullerenes for Nanoscale Drug Delivery. , 2009, , 105-127.		23
13403	The fabrication of single-walled carbon nanotube/polyelectrolyte multilayer composites by layer-by-layer assembly and magnetic field assisted alignment. <i>Nanotechnology</i> , 2009, 20, 335601.	2.6	28

#	ARTICLE	IF	CITATIONS
13404	JEM Spotlight: Applications of advanced nanomaterials for environmental monitoring. Journal of Environmental Monitoring, 2009, 11, 27-40.	2.1	67
13405	In Situ Fabrication of Inorganic Nanowire Arrays Grown from and Aligned on Metal Substrates. Accounts of Chemical Research, 2009, 42, 1617-1627.	15.6	95
13406	Optical properties of hexagonal boron nitride thin films deposited by radio frequency bias magnetron sputtering. Chinese Physics B, 2009, 18, 4013-4018.	1.4	36
13407	Covalent Layer-by-Layer Functionalization of Multiwalled Carbon Nanotubes by Click Chemistry. Langmuir, 2009, 25, 5814-5824.	3.5	135
13408	Prospective important semiconducting nanotubes: synthesis, properties and applications. Journal of Materials Chemistry, 2009, 19, 7592.	6.7	26
13409	Periodic Graphene Nanobuds. Nano Letters, 2009, 9, 250-256.	9.1	108
13410	Annealing effects on optical properties of low temperature grown ZnO nanorod arrays. Journal of Applied Physics, 2009, 105, .	2.5	123
13411	Disaggregation of single-walled carbon nanotubes (SWNTs) promoted by the ionic liquid-based surfactant 1-hexadecyl-3-vinyl-imidazolium bromide in aqueous solution. Soft Matter, 2009, 5, 62-66.	2.7	52
13412	Two-dimensional matter: order, curvature and defects. Advances in Physics, 2009, 58, 449-563.	14.4	287
13413	Simple co-electrodeposition of functionalized multi-walled carbon nanotubes/chitosan composite coating on mainspring for enhanced modulus of elasticity. Nanotechnology, 2009, 20, 015701.	2.6	9
13414	C-BN Single-Walled Nanotubes from Hybrid Connection of BN/C Nanoribbons: Prediction by <i>ab initio</i> Density Functional Calculations. Journal of the American Chemical Society, 2009, 131, 1682-1683.	13.7	106
13415	Scientific duo of carbon nanotubes and nematic liquid crystals. Journal Physics D: Applied Physics, 2009, 42, 063001.	2.8	122
13416	Thermodynamics of CVD Synthesis of Multiwalled Carbon Nanotubes: A Case Study. Journal of Physical Chemistry C, 2009, 113, 45-53.	3.1	18
13417	Spontaneous Assembly of 63 Topological Metal-Organic Nanotubes with Distinct Asymmetric Subunits for the Construction of Hydrophilic Intertube Channels Encapsulating Rare Helical Water-Chains. Crystal Growth and Design, 2009, 9, 1646-1650.	3.0	36
13418	Carbon nanotubes in scaffolds for tissue engineering. Expert Review of Medical Devices, 2009, 6, 499-505.	2.8	91
13419	Fixed gantry tomotherapy system for radiation therapy image guidance based on a multiple source x-ray tube with carbon nanotube cathodes. Medical Physics, 2009, 36, 1624-1636.	3.0	48
13420	In Situ Synthesis of Polybenzimidazole on the Surface of Single Wall Carbon Nanotubes. Journal of Dispersion Science and Technology, 2009, 30, 1091-1094.	2.4	5
13421	Physical properties of nanocomposites prepared by in situ polymerization of high-density polyethylene on multiwalled carbon nanotubes. Physical Chemistry Chemical Physics, 2009, 11, 10851.	2.8	60

#	ARTICLE	IF	CITATIONS
13422	The syntheses, properties and applications of Si, ZnO, metal, and heterojunction nanowires. Journal of Materials Chemistry, 2009, 19, 869.	6.7	50
13423	Carbon nanotube-based organic light emitting diodes. Nanoscale, 2009, 1, 317.	5.6	65
13424	Heating and Cooling Dynamics of Carbon Nanotubes Observed by Temperature-Jump Spectroscopy and Electron Microscopy. Journal of the American Chemical Society, 2009, 131, 16010-16011.	13.7	16
13425	Computational Studies of Metal-Carbon Nanotube Interfaces for Regrowth and Electronic Transport. Nano Letters, 2009, 9, 1117-1120.	9.1	31
13426	Effect of citric acid to carbon nanotube growth. Journal of Physics: Conference Series, 2009, 152, 012019.	0.4	0
13427	The rheology and modeling of chemically treated carbon nanotubes suspensions. Journal of Rheology, 2009, 53, 547-573.	2.6	81
13428	Azafullerene-like Nanosized Clusters. ACS Nano, 2009, 3, 3352-3357.	14.6	11
13429	Sharper and Faster "Nano Darts" Kill More Bacteria: A Study of Antibacterial Activity of Individually Dispersed Pristine Single-Walled Carbon Nanotube. ACS Nano, 2009, 3, 3891-3902.	14.6	493
13430	Extremely non-equilibrium synthesis of luminescent zinc oxide nanoparticles through energetic ion condensation in a dense plasma focus device. Journal Physics D: Applied Physics, 2009, 42, 155202.	2.8	24
13431	Nanobioelectrochemistry. Nanostructure Science and Technology, 2009, , 407-433.	0.1	2
13432	Three-Step Growth of Well-Aligned ZnO Nanotube Arrays by Self-Catalyzed Metalorganic Chemical Vapor Deposition Method. Crystal Growth and Design, 2009, 9, 4555-4561.	3.0	56
13433	One-Dimensional Organometallic Molecular Wires via Assembly of Rh(CO) ₂ Cl(amine): Chemical Control of Interchain Distances and Optical Properties. Journal of the American Chemical Society, 2009, 131, 12046-12047.	13.7	37
13434	Field emission properties of CNT-ZnO composite materials. Diamond and Related Materials, 2009, 18, 452-456.	3.9	62
13435	Defects in Graphene-Based Twisted Nanoribbons: Structural, Electronic, and Optical Properties. Langmuir, 2009, 25, 4751-4759.	3.5	26
13436	The Problem of Carbon Nanotubes Using in Lithium-Ion Batteries. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 285-290.	0.2	0
13437	Hydrogen peroxide adsorption on Fe-filled single-walled carbon nanotubes: a theoretical study. Journal of Physics Condensed Matter, 2009, 21, 064219.	1.8	9
13438	Single-Walled Carbon Nanotube Materials as T ₂ -Weighted MRI Contrast Agents. Journal of Physical Chemistry C, 2009, 113, 19369-19372.	3.1	56
13439	The structure and dynamics of boron nitride nanoscrolls. Nanotechnology, 2009, 20, 335702.	2.6	51

#	ARTICLE	IF	CITATIONS
13440	Surface Diffusion and SubstrateâNanowire Adatom Exchange in InAs Nanowire Growth. Nano Letters, 2009, 9, 1967-1972.	9.1	71
13442	A carbon nanotube/cement composite with piezoresistive properties. Smart Materials and Structures, 2009, 18, 055010.	3.5	253
13443	Small-scale effect on vibration analysis of single-walled carbon nanotubes embedded in an elastic medium using nonlocal elasticity theory. Journal of Applied Physics, 2009, 105, .	2.5	55
13444	Characterization of field emission from carbon nanofibers on a metal tip. Applied Physics Letters, 2009, 95, 073104.	3.3	19
13445	Metallo[endo]fullereneâAmino Acid Interactions. A Theoretical Study. Journal of Physical Chemistry C, 2009, 113, 504-511.	3.1	7
13446	Self-ordering electrochemistry: a review on growth and functionality of TiO2 nanotubes and other self-aligned MOx structures. Chemical Communications, 2009, , 2791.	4.1	786
13447	Theoretical studies of spin-dependent electronic transport in ferromagnetically contacted graphene flakes. Physical Review B, 2009, 80, .	3.2	29
13448	Review on carbon-derived, solid-state, micro and nano sensors for electrochemical sensing applications. Diamond and Related Materials, 2009, 18, 1401-1420.	3.9	212
13449	Intermolecular interaction in density functional theory: Application to carbon nanotubes and fullerenes. Physical Review B, 2009, 79, .	3.2	75
13450	Corundum-type tubular and rod-like In2O3 nanocrystals: synthesis from designed InOOH and application in photocatalysis. New Journal of Chemistry, 2009, 33, 1109.	2.8	30
13451	Current and shot noise measurements in a carbon nanotube-based spin diode (invited). Journal of Applied Physics, 2009, 105, .	2.5	15
13452	Synthesis, optical and gas sensitive properties of large-scale aggregative flowerlike ZnO nanostructures via simple route hydrothermal process. Journal Physics D: Applied Physics, 2009, 42, 045103.	2.8	49
13453	An Easy Catalyst-Free Hydrothermal Method to Prepare Monodisperse Carbon Microspheres on a Large Scale. Journal of Physical Chemistry C, 2009, 113, 8455-8459.	3.1	95
13454	Controllable Route to Solid and Hollow Monodisperse Carbon Nanospheres. Journal of Physical Chemistry C, 2009, 113, 10085-10089.	3.1	44
13455	Modifying the sorption properties of multi-walled carbon nanotubes via covalent functionalization. Analyst, The, 2009, 134, 1928.	3.5	60
13456	Nonlocal elastic beam models for flexural wave propagation in double-walled carbon nanotubes. Journal of Applied Physics, 2009, 106, 044301.	2.5	43
13457	Electrostatic Actuation and Electromechanical Switching Behavior of One-Dimensional Nanostructures. ACS Nano, 2009, 3, 2953-2964.	14.6	23
13458	Functional DNA directed assembly of nanomaterials for biosensing. Journal of Materials Chemistry, 2009, 19, 1788.	6.7	129

#	ARTICLE	IF	CITATIONS
13459	Hydrophilic multi-walled carbon nanotubes decorated with magnetite nanoparticles as lymphatic targeted drug delivery vehicles. Chemical Communications, 2009, , 4447.	4.1	142
13460	Europium Adsorption on Multiwall Carbon Nanotube/Iron Oxide Magnetic Composite in the Presence of Polyacrylic Acid. Environmental Science & Technology, 2009, 43, 2362-2367.	10.0	348
13461	Polymer Nanocomposites Characterization by Microscopy. Polymer Reviews, 2009, 49, 141-180.	10.9	29
13462	Density Functional Investigation of Thioepoxidated and Thiolated Graphene. Journal of Physical Chemistry C, 2009, 113, 5612-5619.	3.1	104
13463	Novel hybrid CMOS and CNFET inverting amplifier design for area, power and performance optimization. , 2009, , .		7
13464	Ab initio calculations of zirconium adsorption and diffusion on graphene. Physical Review B, 2009, 80, .	3.2	44
13465	Synthesis and characterization of indium oxide nanobubbles with ultrathin single crystal shells. Chemical Communications, 2009, , 2014.	4.1	3
13466	FE modelling of multi-walled carbon nanotubes. Estonian Journal of Engineering, 2009, 15, 77.	0.4	15
13467	Raman spectroscopy of strained single-walled carbon nanotubes. Chemical Communications, 2009, , 6902.	4.1	69
13468	CHEMISTRY, ELECTROCHEMISTRY, AND ELECTROCHEMICAL APPLICATIONS Carbon. , 2009, , 709-743.		3
13469	Cellular Toxicity of TiO ₂ -Based Nanofilaments. ACS Nano, 2009, 3, 2274-2280.	14.6	89
13470	Synthesis and Wavelength-Tunable Luminescence Property of Wurtzite Zn _x Cd _{1-x} S Nanostructures. Crystal Growth and Design, 2009, 9, 4602-4606.	3.0	15
13471	Applications of Nanomaterials in Environmental Science and Engineering: Review. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2009, 13, 110-119.	0.4	71
13472	Hydrothermal growth of ZnO nanostructures. Science and Technology of Advanced Materials, 2009, 10, 013001.	6.1	956
13473	Fabrication and Characterization of Visible-Light-Driven Plasmonic Photocatalyst Ag/AgCl/TiO ₂ Nanotube Arrays. Journal of Physical Chemistry C, 2009, 113, 16394-16401.	3.1	770
13474	Preparation of Porous Tin Oxide Nanotubes Using Carbon Nanotubes as Templates and Their Gas-Sensing Properties. Journal of Physical Chemistry C, 2009, 113, 9581-9587.	3.1	91
13476	From graphene constrictions to single carbon chains. New Journal of Physics, 2009, 11, 083019.	2.9	280
13477	On the Applicability of Single-Walled Carbon Nanotubes as VLSI Interconnects. IEEE Nanotechnology Magazine, 2009, 8, 542-559.	2.0	156

#	ARTICLE	IF	CITATIONS
13478	Nanocapsules based on carbon nanotubes- <i>graft</i> -polyglycerol hybrid materials. Nanotechnology, 2009, 20, 485603.	2.6	26
13479	Facile Fabrication of Porous CuS Nanotubes Using Well-Aligned [Cu(tu)]Cl _{1/2} H ₂ O Nanowire Precursors as Self-Sacrificial Templates. Crystal Growth and Design, 2009, 9, 2546-2548.	3.0	63
13480	A DFT Study of the Adhesion of Pd Clusters on ZnO SWNTs and Adsorption of Gas Molecules on Pd/ZnO SWNTs. Journal of Physical Chemistry C, 2009, 113, 21338-21341.	3.1	24
13481	Enhanced Fracture Properties of Carbon Reinforced Composites by the Addition of Multi-Wall Carbon Nanotubes. Journal of Composite Materials, 2009, 43, 977-985.	2.4	191
13482	The study of a carbon nanotube O ₂ sensor by field emission treatment. Diamond and Related Materials, 2009, 18, 461-464.	3.9	11
13483	A simple route to coat mesoporous SiO ₂ layer on carbon nanotubes. Journal of Materials Chemistry, 2009, 19, 3725.	6.7	92
13484	Mechanical and electrical characterization of epoxy nanocomposites for electromagnetic shielding devices in aerospace applications. , 2009, , .		5
13485	Molecular mechanism for conformation mobility of the active center of glucose oxidase adsorbed on single wall carbon nanotubes. , 2009, 2009, 2739-43.		1
13486	Direct observation of TiO ₆ octahedron forming titanate nanotube by advanced transmission electron microscopy. Nanotechnology, 2009, 20, 405709.	2.6	23
13487	Nanostructured Materials For Advanced Technological Applications: A Brief Introduction. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 3-34.	0.3	4
13488	Differentiation of pluripotent stem cells on multiwalled carbon nanotubes. , 2009, 2009, 6022-5.		4
13489	Chemical Reactions within Single-Walled Carbon Nanotube Channels. Chemistry of Materials, 2009, 21, 5001-5003.	6.7	33
13490	Species enrichment of SWNTs with pyrene alkylamide derivatives: is the alkyl chain length important?. Nanotechnology, 2009, 20, 305601.	2.6	12
13491	Field emission of vertically aligned carbon nanotubes with various content of nitrogen. Diamond and Related Materials, 2009, 18, 544-547.	3.9	27
13492	Direct Synthesis, Growth Mechanism, and Optical Properties of 3D AlN Nanostructures with Urchin Shapes. Crystal Growth and Design, 2009, 9, 1489-1493.	3.0	49
13493	Structural, Energetic, and Mechanical Properties of ZnSe Nanotubes. Journal of Physical Chemistry C, 2009, 113, 6439-6443.	3.1	18
13494	Facile Synthesis of Uniform Microspheres Composed of a Magnetite Core and Copper Silicate Nanotube Shell for Removal of Microcystins in Water. Journal of Physical Chemistry C, 2009, 113, 21068-21073.	3.1	39
13495	Atomistic Simulation of Carbon Nanotubes with Defects. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
13496	Diffusion-Ordered NMR Spectroscopy in the Structural Characterization of Functionalized Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 9086-9093.	13.7	37
13497	Surface characterization of acid-oxidized multi-walled carbon nanotubes. Toxicological and Environmental Chemistry, 2009, 91, 1413-1427.	1.2	3
13498	â€Clickedâ€™ magnetic nanohybrids with a soft polymer interlayer. Chemical Communications, 2009, , 1655.	4.1	83
13499	Organic light-emitting diodes with carbon nanotube cathode-organic interface layer. Applied Physics Letters, 2009, 94, 013110.	3.3	32
13500	Investigating the Graphitization Mechanism of SiO ₂ Nanoparticles in Chemical Vapor Deposition. ACS Nano, 2009, 3, 4098-4104.	14.6	89
13501	First-principles investigation on the field emission properties of B-doped carbon nanotubes. Diamond and Related Materials, 2009, 18, 657-661.	3.9	15
13502	Carbon Nanotubes: Synthesis, Properties, and Applications. Particulate Science and Technology, 2009, 27, 107-125.	2.1	118
13503	Thermal Conductivity, Heat Capacity, and Cross-Linking of Polyisoprene/Single-Wall Carbon Nanotube Composites under High Pressure. Macromolecules, 2009, 42, 9295-9301.	4.8	59
13504	The influence of acid treatment on multi-walled carbon nanotubes. Pigment and Resin Technology, 2009, 38, 165-173.	0.9	35
13505	Carbon Nanoelectronics: Unzipping Tubes into Graphene Ribbons. Physical Review Letters, 2009, 103, 086801.	7.8	113
13506	Electronic and Magnetic Properties of Partially Open Carbon Nanotubes. Journal of the American Chemical Society, 2009, 131, 17919-17925.	13.7	47
13507	Photovoltaic cells fabricated utilizing core-shell CdSe/ZnSe quantum dot/multiwalled carbon nanotube heterostructures. Applied Physics Letters, 2009, 95, 061911.	3.3	20
13508	Poly(3,4-ethylenedioxythiophene)~Multiwalled Carbon Nanotube Composite Films: Structure-Directed Amplified Electrochromic Response and Improved Redox Activity. Journal of Physical Chemistry B, 2009, 113, 9416-9428.	2.6	113
13509	Direct Fabrication of Tellurium/Carbon Nanocables through a Facile Solution Route. Crystal Growth and Design, 2009, 9, 2117-2123.	3.0	17
13510	A rapid hydrothermal synthesis of rare earth oxide activated Y (OH) ₃ and Y ₂ O ₃ nanotubes. Nanotechnology, 2009, 20, 305302.	2.6	40
13511	Mechanisms for the Improvement in Interfacial Adhesion Between UHMWPE Reinforcement and Nano-epoxy Resins with Reactive Graphitic Nanofibers. Journal of Adhesion Science and Technology, 2009, 23, 1281-1292.	2.6	3
13512	Carbon Nitride and Boron Carbon Nitride Nanostructures. , 2009, , 195-221.		1
13513	Electrostatic Layer-by-Layer Assembled Au Nanoparticle/MWNT Thin Films: Microstructure, Optical Property, and Electrocatalytic Activity for Methanol Oxidation. Chemistry of Materials, 2009, 21, 2993-3001.	6.7	63

#	ARTICLE	IF	CITATIONS
13514	Investigation of liquid sensing mechanism of poly(lactic acid)/multi-walled carbon nanotube composite films. <i>Smart Materials and Structures</i> , 2009, 18, 035008.	3.5	55
13515	Surface carrier transport in Y nanojunctions: Signatures of the geometric potential. <i>Physical Review B</i> , 2009, 79, .	3.2	24
13516	Thermal Conductivity Improvement of Polymer Films by Catechin-Modified Boron Nitride Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 13605-13609.	3.1	115
13517	Carbon Nanotubes: Synthesis, Properties and Pharmaceutical Applications. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 361-377.	2.1	52
13518	Plasmon dispersion of low-frequency oscillations in metallic double-walled carbon nanotubes. <i>Physica Scripta</i> , 2009, 80, 055705.	2.5	5
13519	Characterization and Evaluation of Nanoparticle Release during the Synthesis of Single-Walled and Multiwalled Carbon Nanotubes by Chemical Vapor Deposition. <i>Environmental Science & Technology</i> , 2009, 43, 6017-6023.	10.0	93
13520	A Glucose Biosensor Based on Deposition of Glucose Oxidase onto Crystalline Gold Nanoparticle Modified Carbon Nanotube Electrode. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3190-3194.	2.6	102
13521	Construction of Unconventional Hexapod-like Tellurium Nanostructure with Morphology-Dependent Photoluminescence Property. <i>Journal of Physical Chemistry C</i> , 2009, 113, 9502-9508.	3.1	19
13522	Alignment of multiwalled carbon nanotubes in bulk epoxy composites via electric field. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	147
13523	Nanowelded Carbon Nanotubes. <i>Nanoscience and Technology</i> , 2009, , .	1.5	7
13524	A novel method for metal oxide nanowire synthesis. <i>Nanotechnology</i> , 2009, 20, 165603.	2.6	110
13525	Direct determination of atomic structure of large-indexed carbon nanotubes by electron diffraction: application to double-walled nanotubes. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 125412.	2.8	20
13526	Biodistribution and Ultrastructural Localization of Single-Walled Carbon Nanohorns Determined In Vivo with Embedded Gd ₂ O ₃ Labels. <i>ACS Nano</i> , 2009, 3, 1399-1406.	14.6	79
13527	Bloch oscillations in carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 212202.	1.8	5
13528	Mechanical Properties of MWNT-Loaded Plain-Weave Glass/Epoxy Composites. <i>Advanced Composite Materials</i> , 2009, 18, 209-219.	1.9	21
13529	Free flexural vibration studies of double-walled carbon nanotubes with different boundary conditions and modeled as nonlocal Euler beams via the Galerkin method. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	19
13530	Synthesis of single walled carbon nanotubes by ultrasonic spray pyrolysis method. <i>Diamond and Related Materials</i> , 2009, 18, 319-323.	3.9	23
13531	Synthesis of Fullerene by Spark Plasma Sintering and Thermomechanical Transformation of Fullerene Into Diamond on Fe-C Composites. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1243, 1.	0.1	3

#	ARTICLE	IF	CITATIONS
13532	Crystalline nanotubes of AlOOH and Al_2O_3 : hydrothermal synthesis, formation mechanism and catalytic performance. <i>Nanotechnology</i> , 2009, 20, 215604.	2.6	89
13533	Shape- and Dimension-Controlled Single-Crystalline Silicon and SiGe Nanotubes: Toward Nanofluidic FET Devices. <i>Journal of the American Chemical Society</i> , 2009, 131, 3679-3689.	13.7	67
13534	Cobalt Porphyrin Functionalized Carbon Nanotubes for Oxygen Reduction. <i>Chemistry of Materials</i> , 2009, 21, 3234-3241.	6.7	126
13535	Metal Oxide Nanoparticles in Organic Solvents. <i>Engineering Materials and Processes</i> , 2009, , .	0.4	212
13536	Contact Geometry and Conductance of Crossed Nanotube Junctions under Pressure. <i>Nano Letters</i> , 2009, 9, 1759-1763.	9.1	9
13537	Reduced graphene oxide for room-temperature gas sensors. <i>Nanotechnology</i> , 2009, 20, 445502.	2.6	652
13538	Synthesis and Characterization of Functionalized Ionic Liquid-Stabilized Metal (Gold and Platinum) Nanoparticles and Metal Nanoparticle/Carbon Nanotube Hybrids. <i>Langmuir</i> , 2009, 25, 2604-2612.	3.5	227
13539	Synthesis and characterisation of ordered arrays of mesoporous carbon nanofibres. <i>Journal of Materials Chemistry</i> , 2009, 19, 1331.	6.7	42
13540	Thermal conductivity of carbon nanotubes with quantum correction via heat capacity. <i>Nanotechnology</i> , 2009, 20, 145401.	2.6	24
13541	Lattice vibrations of a single-wall boron nitride nanotube. <i>Physical Review B</i> , 2009, 79, .	3.2	21
13542	Electron field emitters based on multi-walled carbon nanotubes coated with conducting polymer/metal/metal-oxide composites. <i>Journal of Experimental Nanoscience</i> , 2009, 4, 67-76.	2.4	16
13543	Versatile Catalytic System for the Large-Scale and Controlled Synthesis of Single-Wall, Double-Wall, Multi-Wall, and Graphene Carbon Nanostructures. <i>Chemistry of Materials</i> , 2009, 21, 5491-5498.	6.7	24
13544	High-Yield Synthesis of Boron Nitride Nanosheets with Strong Ultraviolet Cathodoluminescence Emission. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15160-15165.	3.1	168
13545	Investigation on the Electronic Structures and Nonlinear Optical Properties of Pristine Boron Nitride and Boron Nitride~Carbon Heterostructured Single-Wall Nanotubes by the Elongation Method. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8447-8454.	3.1	32
13546	Synthesis and sensoric response of ZnO decorated carbon nanotubes. <i>Journal of Materials Chemistry</i> , 2009, 19, 5039.	6.7	76
13547	In-Situ Chloride-Generated Route to Different AlN Nanostructures on Si Substrate. <i>Journal of Physical Chemistry C</i> , 2009, 113, 14245-14248.	3.1	17
13548	New Metallic Carbon Crystal. <i>Physical Review Letters</i> , 2009, 102, 055703.	7.8	119
13549	In Vivo Imaging of Carbon Nanotube Biodistribution Using Magnetic Resonance Imaging. <i>Nano Letters</i> , 2009, 9, 1023-1027.	9.1	111

#	ARTICLE	IF	CITATIONS
13550	Towards lab-on-a-chip approaches in real analytical domains based on microfluidic chips/electrochemical multi-walled carbon nanotube platforms. Lab on A Chip, 2009, 9, 346-353.	6.0	83
13551	Nanomaterials: Properties. , 2009, , 199-255.		7
13552	Algorithm for Generating Defective Graphene Sheets. Journal of Chemical Theory and Computation, 2009, 5, 1877-1882.	5.3	6
13553	Intrinsic Ion Selectivity of Narrow Hydrophobic Pores. Journal of Physical Chemistry B, 2009, 113, 7642-7649.	2.6	183
13554	Carbon nanotubes: biomaterial applications. Chemical Society Reviews, 2009, 38, 1897.	38.1	234
13555	Nanotechnology in Construction 3. , 2009, , .		44
13556	Universal ternary logic circuit design through carbon nanotube technology. International Journal of Nanotechnology, 2009, 6, 942.	0.2	29
13557	Nanostructured Supported Catalysts for Low-Temperature Fuel Cells. Frontiers of Nanoscience, 2009, 1, 173-231.	0.6	3
13558	Polymer-Functionalized Single-Walled Carbon Nanotubes as a Novel Solâ~Gel Solid-Phase Micro-extraction Coated Fiber for Determination of Poly-brominated Diphenyl Ethers in Water Samples with Gas Chromatographyâ~Electron Capture Detection. Analytical Chemistry, 2009, 81, 2912-2920.	6.5	107
13559	High volume fraction carbon nanotubeâ€“epoxy composites. Nanotechnology, 2009, 20, 405702.	2.6	58
13560	The structural and electronic properties of chiral SiC nanotubes: a hybrid density functional study. Nanotechnology, 2009, 20, 285703.	2.6	20
13561	Fabrication of fullerene-decorated carbon nanotubes and their application in flame-retarding polypropylene. Nanoscale, 2009, 1, 118.	5.6	73
13562	Medium density polyethylene composites with functionalized carbon nanotubes. Nanotechnology, 2009, 20, 195602.	2.6	24
13563	Carbon Nanotube-Reinforced Thermotropic Liquid Crystal Polymer Nanocomposites. Materials, 2009, 2, 1955-1974.	2.9	52
13564	Novel Band Structures and Transport Properties from Graphene Nanoribbons with Armchair Edges. Journal of Physical Chemistry C, 2009, 113, 4662-4668.	3.1	19
13565	On the Possibility of Tunable-Gap Bilayer Graphene FET. IEEE Electron Device Letters, 2009, 30, 261-264.	3.9	84
13566	The synthesis of high coercivity cobalt-in-carbon nanotube hybrid structures and their optical limiting properties. Nanotechnology, 2009, 20, 285702.	2.6	33
13567	Carbon Nanotube-Templated Copper Phthalocyanine Derivative Assemblies via Solid-Phase Synthesis: Effects of Hydrogen Bond on the Structure of the Assemblies. Crystal Growth and Design, 2009, 9, 4136-4141.	3.0	10

#	ARTICLE	IF	CITATIONS
13568	3D-Hexagonal Mesoporous Silica Having Exceptional H_2 Adsorption Capacity. Journal of Physical Chemistry C, 2009, 113, 6839-6844.	3.1	22
13569	Carbon nanotube-“nanocrystal heterostructures. Chemical Society Reviews, 2009, 38, 1076.	38.1	253
13570	Sorption and Competition of Aromatic Compounds and Humic Acid on Multiwalled Carbon Nanotubes. Environmental Science & Technology, 2009, 43, 6214-6219.	10.0	183
13571	Molecular dynamics simulation study on capacitive nano-accelerometers based on telescoping carbon nanotubes. Modelling and Simulation in Materials Science and Engineering, 2009, 17, 025011.	2.0	17
13572	Nonenzymatic Amperometric Glucose Sensing of Platinum, Copper Sulfide, and Tin Oxide Nanoparticle-Carbon Nanotube Hybrid Nanostructures. Journal of Physical Chemistry C, 2009, 113, 1251-1259.	3.1	91
13573	Carrier transport mechanisms of bistable memory devices fabricated utilizing core-shell CdSe/ZnSe quantum-dot/multi-walled carbon nanotube hybrid nanocomposites. Nanotechnology, 2009, 20, 085202.	2.6	21
13574	Understanding the microscopic processes that govern the charge-induced deformation of carbon nanotubes. Physical Review B, 2009, 80, .	3.2	11
13575	Large-diameter and water-dispersible single-walled carbon nanotubes: synthesis, characterization and applications. Journal of Materials Chemistry, 2009, 19, 3033.	6.7	78
13576	Tunneling transport and spectroscopy in carbon nanotube quantum dots. Journal of Chemical Physics, 2009, 130, 224503.	3.0	11
13577	Fabrication of high performance conducting polymer nanocomposites for biosensors and flexible electronics: summary of the multiple roles of DNA dispersed and functionalized single walled carbon nanotubes. Journal of Materials Chemistry, 2009, 19, 6465.	6.7	62
13578	Engineering Low-Aspect Ratio Carbon Nanostructures: Nanocups, Nanorings, and Nanocontainers. ACS Nano, 2009, 3, 1274-1278.	14.6	51
13579	The Investigation of Band Gap Changes of SWCNTs using a Non-orthogonal Tight Binding Model. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 99-108.	2.1	1
13580	Aqueous Dispersion and Dielectrophoretic Assembly of Individual Surface-Synthesized Single-Walled Carbon Nanotubes. Langmuir, 2009, 25, 7778-7782.	3.5	29
13581	Viable Route for Cobalt Oxide~Carbon Nanocomposites. Journal of Physical Chemistry C, 2009, 113, 15533-15537.	3.1	18
13582	Design, Manufacturing, and Testing of Single-Carbon-Nanotube-Based Infrared Sensors. IEEE Nanotechnology Magazine, 2009, 8, 245-251.	2.0	44
13583	Raman-active modes in homogeneous and inhomogeneous bundles of single-walled carbon nanotubes. Journal of Physics Condensed Matter, 2009, 21, 045302.	1.8	10
13584	B-C-N Nanotubes and Related Nanostructures. , 2009, , .		3
13585	Multiwalled Carbon Nanotubes Specifically Inhibit Osteoclast Differentiation and Function. Nano Letters, 2009, 9, 1406-1413.	9.1	82

#	ARTICLE	IF	CITATIONS
13586	Nanoscale Porous Materials for Water Treatment: Advances and Challenges. , 2009, , 312-366.		0
13587	Dual Space Approach to the Classification of Toroidal Carbon Nanotubes. Journal of Chemical Information and Modeling, 2009, 49, 1679-1686.	5.4	13
13588	Plasma Induced Grafting Carboxymethyl Cellulose on Multiwalled Carbon Nanotubes for the Removal of UO_2^{2+} from Aqueous Solution. Journal of Physical Chemistry B, 2009, 113, 860-864.	2.6	351
13589	Effect of carbon nanotubes on response time of ferroelectric liquid crystals. Physical Review E, 2009, 80, 012701.	2.1	77
13590	Synthesis, Characterization, and Thermal Properties of Nanoscale Lead-Free Solders on Multisegmented Metal Nanowires. Journal of Physical Chemistry C, 2009, 113, 9546-9552.	3.1	48
13591	Modelling and simulations of adhesion between carbon nanotubes and surfaces. Molecular Simulation, 2009, 35, 520-524.	2.0	7
13592	Laser-triggered carbon nanotube microdevice for remote control of biocatalytic reactions. Lab on A Chip, 2009, 9, 788-794.	6.0	23
13593	Carbon nanotube-based planar transmission lines. , 2009, , .		8
13594	Chemical Bonding and Schottky Barrier for Metal-Carbon Nanotube Contacts. , 2009, , .		1
13595	Enhancing the properties of a lead-free solder with the addition of Ni-coated carbon nanotubes. , 2009, , .		5
13596	Size tuning of Au nanoparticles formed by electron beam irradiation of Au ₂₅ quantum clusters anchored within and outside of dipeptide nanotubes. Journal of Materials Chemistry, 2009, 19, 8456.	6.7	55
13597	Rectangular or square, tapered, and single-crystal PbTe nanotubes. Journal of Materials Chemistry, 2009, 19, 3063.	6.7	12
13598	Thermal conductivity of carbon nanotubes. Journal of Applied Physics, 2009, 105, 074316.	2.5	40
13599	Structural Trends Among Nanotubes of Group 13-15 Binary Hydrides. Journal of Physical Chemistry C, 2009, 113, 10065-10069.	3.1	8
13600	Six-Membered-Ring-Based Radical Mechanism for Catalytic Growth of Carbon Nanotubes with Benzene Precursor. Journal of Physical Chemistry C, 2009, 113, 16495-16502.	3.1	15
13601	Carbon nanocones: wall structure and morphology. Science and Technology of Advanced Materials, 2009, 10, 065002.	6.1	114
13602	Effective Condition for Purification of Multi-walled Carbon Nanotubes by Nitric Acid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2009, 39, 312-316.	0.6	4
13603	Reversible solubilisation and precipitation of carbon nanotubes by temperature and pH control in water. Journal of Materials Chemistry, 2009, 19, 5785.	6.7	23

#	ARTICLE	IF	CITATIONS
13604	Rationally designed chiral Ni ₅ L ₆ clusters with the in situ generated tridentate ligand. Hydrothermal synthesis, crystal structures, morphology and magnetic properties. Dalton Transactions, 2009, , 6385.	3.3	13
13605	Macroscopic single-crystal tubes assembled with porous supramolecular architecture of water-soluble calixarene and phenanthroline. Chemical Communications, 2009, , 1861.	4.1	19
13606	High frequency and crosstalk analysis of VLSI carbon nanotube nanointerconnects. , 2009, , .		6
13607	Effect of Factors on Growth of Carbon Nanotubes by Thermal CVD. Molecular Crystals and Liquid Crystals, 2009, 499, 150/[472]-159/[481].	0.9	2
13608	A New Circuit Model for Carbon Nanotube Interconnects With Diameter-Dependent Parameters. IEEE Nanotechnology Magazine, 2009, 8, 345-354.	2.0	50
13609	Facile Synthesis of Highly Aligned Multiwalled Carbon Nanotubes from Polymer Precursors. Journal of Nanomaterials, 2009, 2009, 1-11.	2.7	37
13610	Modeling of strains and stresses of material nanostructures. Bulletin of the Polish Academy of Sciences: Technical Sciences, 2009, 57, 41-46.	0.8	3
13611	Properties of high yield synthesised carbon nano fibres/Portland cement composite. Advances in Cement Research, 2009, 21, 141-146.	1.6	22
13612	Polygonal model for layered inorganic nanotubes. Physical Review B, 2009, 80, .	3.2	24
13613	Carbon Nanotube Vacuum Gauges With Wide Dynamic Range. IEEE Nanotechnology Magazine, 2009, 8, 252-257.	2.0	8
13614	Mean-Field Electrodynamics Theory of Aligned Carbon Nanotube Composites. IEEE Transactions on Antennas and Propagation, 2009, 57, 1412-1419.	5.1	19
13615	Gas sensitivities of solvent-functionalized CNTs to volatile organic compounds. , 2009, , .		0
13616	Highly crystalline niobium oxide converted from flux-grown K ₄ Nb ₆ O ₁₇ crystals. CrystEngComm, 2009, 11, 2326.	2.6	18
13617	Solubilization and photoinduced electron transfer of single-walled carbon nanotubes wrapped with coenzyme Q10. Chemical Communications, 2009, , 4997.	4.1	21
13618	Raman spectroscopy â€” a potential platform for the rapid measurement of carbon nanotube-induced cytotoxicity. Analyst, The, 2009, 134, 1182.	3.5	50
13619	From 1D zigzag chain to 1D tubular structure, weak field ligand-dependent assembly of cucurbit[6]uril-based tubular coordination polymer. Dalton Transactions, 2009, , 7344.	3.3	36
13620	Organic nanotubes assembled from isophthalamides and their application as templates to fabricate Pt nanotubes. Chemical Communications, 2009, , 4212.	4.1	11
13621	In situ simultaneous synthesis of WC/graphitic carbon nanocomposite as a highly efficient catalyst support for DMFC. Chemical Communications, 2009, , 3104.	4.1	55

#	ARTICLE	IF	CITATIONS
13622	Electronic and electrochemical properties of Li-doped carbon nanotube-zeolite complex. Physical Chemistry Chemical Physics, 2009, 11, 632-635.	2.8	2
13623	Direct functionalization of self-assembled nanotubes overcomes unfavorable self-assembling processes. Chemical Communications, 2009, , 3457.	4.1	16
13624	Thermally controlled synthesis of single-wall carbon nanotubes with selective diameters. Journal of Materials Chemistry, 2009, 19, 3004.	6.7	53
13625	Magnetoconductance of graphene nanoribbons. Philosophical Magazine, 2009, 89, 697-709.	1.6	24
13626	Unusual tubular organization with crystal stacks from a new cyclic thiophene compound,. CrystEngComm, 2009, 11, 2288.	2.6	1
13627	Controlled growth of multi-morphology hexagonal t-Se microcrystals: tubes, wires, and flowers by a convenient Lewis acid-assisted solvothermal method. CrystEngComm, 2009, 11, 1270.	2.6	7
13628	The dispersion of carbon nanotubes in water with the aid of very small amounts of ionic liquid. Chemical Communications, 2009, , 1897.	4.1	65
13629	General surfactant-free synthesis of MTiO ₃ (M = Ba, Sr, Pb) perovskite nanostrips. Journal of Materials Chemistry, 2009, 19, 976.	6.7	61
13630	A mediatorless electrochemical detection of NADH on a biopolymer dispersed carbon nanotube layer. , 2009, , .		0
13631	Novel semiconducting nanowire heterostructures: synthesis, properties and applications. Journal of Materials Chemistry, 2009, 19, 330-343.	6.7	59
13632	Long-persistent phosphorescent SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ nanotubes. Chemical Communications, 2009, , 944-946.	4.1	48
13633	Giant nanomembrane of covalently-hybridized epoxy resin and silica. Journal of Materials Chemistry, 2009, 19, 2425.	6.7	34
13634	Study of the Silanization Process in CNFs: Time, Temperature, Silane Type and Concentration Influence. Journal of Nano Research, 2009, 4, 33-43.	0.8	9
13635	A Modified FTA-FMEA Methodology: An Application for CNT-BLU of TFT-LCD. , 2009, , .		1
13636	Experimental study of corona discharge with multi-walled carbon nanotubes electrode. , 2009, , .		0
13637	Effect of B/N co-doping on the stability and electronic structure of single-walled carbon nanotubes by first-principles theory. Nanotechnology, 2009, 20, 375705.	2.6	37
13638	Signal integrity analysis of carbon nanotube on-chip interconnects. , 2009, , .		2
13639	Study on structures and properties of carbon nanotubes/thermosets nanocomposites subjected to external electric field during cure stage. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
13640	Nano-materials and nano-technologies for novel photon detection systems. , 2009, , .		1
13641	A Variable-Number Genetic Algorithm for Growth of 1-Dimensional Nanostructures into Their Global Minimum Configuration Under Radial Confinement. Materials and Manufacturing Processes, 2009, 24, 265-273.	4.7	9
13642	Facile fabrication of polyelectrolyte complex/carbon nanotube nanocomposites with improved mechanical properties and ultra-high separation performance. Journal of Materials Chemistry, 2009, 19, 8732.	6.7	50
13643	Rectangular Hexagonal Mesh Generation for Parametric Modeling. , 2009, , .		2
13644	Pool Boiling Experiments on a Nano-Structured Surface. IEEE Transactions on Components and Packaging Technologies, 2009, 32, 156-165.	1.3	72
13645	Carbon nanotube FED for high luminance character display. , 2009, , .		2
13646	Synthesis of monodispersed Pt nanoparticles on plasma processed carbon nanotubes for methanol electro-oxidation reaction. Journal of Materials Chemistry, 2009, 19, 6720.	6.7	45
13647	Template- and catalyst-free synthesis, growth mechanism and excellent field emission properties of large scale single-crystalline tubular $\text{I}^2\text{-SiC}$. Chemical Communications, 2009, , 6243.	4.1	48
13648	Field emission characteristics of carbon nano tubes under varying background pressure conditions. , 2009, , .		3
13649	Million-Atom Count Simulations of the Effects of Carbon Nanotube Length Distributions on Fiber Mechanical Properties. , 2009, , .		2
13650	Heteropolyacid-assisted fabrication of carbon nanostructures under ambient conditions. Chemical Communications, 2009, , 413-415.	4.1	20
13651	Electronic Structure and Information Function of Fullerene C50. , 2009, , .		0
13652	CNT Research: from Academic Wonder to Industrial Exploration. , 2009, , .		2
13653	Novel geometry of carbon nanotube field emitter to achieve high current densities. , 2009, , .		0
13654	Frequency-dependent circuit models of carbon nanotube networks. , 2009, , .		3
13655	An infinite photoluminescent coordination nanotube $[\text{CuSCN}(\text{L})]\cdot(\text{DMF})0.5$. CrystEngComm, 2009, 11, 246-248.	2.6	55
13656	Identification and technical accessibility of the carbon self-assembly concept hidden in catalytic carbon nanotube evolution. Journal of Materials Chemistry, 2009, 19, 7725.	6.7	9
13657	The ionic liquid-associated synthesis of a cellulose/SWCNT complex and its remarkable biocompatibility. Journal of Materials Chemistry, 2009, 19, 3612.	6.7	56

#	ARTICLE	IF	CITATIONS
13658	THE GEOMETRICAL EFFECTS ON ELECTRONIC SPECTRUM AND PERSISTENT CURRENTS IN MESOSCOPIC POLYGON. Modern Physics Letters B, 2009, 23, 191-201.	1.9	0
13659	Transient Analysis of Nano-Interconnects. , 2009, , .		0
13660	Isothermal Crystallization Behavior of Poly(μ -Caprolactone) Diol/Functionalized-Multiwalled Carbon Nanotube Composites. International Journal of Polymer Analysis and Characterization, 2009, 14, 418-436.	1.9	7
13661	A novel approach towards selective bulk synthesis of few-layer graphenes in an electric arc. Journal Physics D: Applied Physics, 2009, 42, 115201.	2.8	58
13662	The single wall carbon nanotube waveguides and excitation of their C^{+} and C^{0} plasmons by electron beam. , 2009, , .		1
13663	Sensitive and Selective Determination of Phenylhydrazine in the Presence of Hydrazine at a Ferrocene Monocarboxylic Acid Modified Carbon Nanotube Paste Electrode. Analytical Letters, 2009, 43, 186-196.	1.8	37
13664	A Theoretical ab Initio Study on Functionalized Single-Walled Carbon Nanotubes as a Molecular Absorbent. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 390-400.	2.1	3
13665	Moiré image patterns on double-walled carbon nanotubes observed by scanning tunneling microscopy. Physical Review B, 2009, 79, .	3.2	19
13666	Nanoscale welding by AFM tip induced electric field. , 2009, , .		4
13667	Synthesis and dielectric property of polyimide/MWNTs nanocomposite films. , 2009, , .		0
13668	Surface Engineering of Polymer Membranes. Advanced Topics in Science and Technology in China, 2009, , .	0.1	42
13669	Humidity Sensitivity of Carbon Nanotube and Poly (Dimethyldiallylammonium Chloride) Composite Films. IEEE Sensors Journal, 2009, 9, 1308-1314.	4.7	40
13670	Study on Synthesis Process of Carbon Nanotubes by CCVD at Lower Temperature. , 2009, , .		1
13671	Effect of Multi-walled Carbon Nanotubes on Mechanical Properties of Feldspar Filled Polypropylene Composites. Journal of Reinforced Plastics and Composites, 2009, 28, 2473-2485.	3.1	19
13672	Efficient growth of MWCNTs from decomposition of liquefied petroleum gas on a Ni Mg La^{III} O catalyst. Catalysis Communications, 2009, 10, 1944-1947.	3.3	13
13673	Effects of H ₂ plasma pretreated Ni catalysts on the growth of carbon nanotubes. Materials Chemistry and Physics, 2009, 115, 740-743.	4.0	9
13674	Carbon nanotubes on low resistance monolayer-modified glassy carbon electrode as chemo/biosensor. Journal of Electroanalytical Chemistry, 2009, 634, 98-103.	3.8	1
13675	Active-matrix and flexible liquid-crystal displays with carbon-nanotube pixel electrodes. Journal of the Society for Information Display, 2009, 17, 853-860.	2.1	6

#	ARTICLE	IF	CITATIONS
13676	High-luminance 1.8â€mâ€pixelâ€pitch CNTâ€FED for ubiquitous color character displays. Journal of the Society for Information Display, 2009, 17, 361-367.	2.1	2
13677	Density Functional Theory Study of Finite Carbon Chains. ACS Nano, 2009, 3, 3788-3794.	14.6	56
13678	Novel and emerging approaches for the delivery of metallo-drugs. Dalton Transactions, 2009, , 10702.	3.3	79
13679	Structures and magnetic properties of SinMnâ€(n=1â€15) clusters. Journal of Chemical Physics, 2009, 130, 164514.	3.0	46
13680	First-principles study of the interaction and charge transfer between graphene and metals. Physical Review B, 2009, 79, .	3.2	1,064
13681	Multifunctional Coatings With Carbon Nanotubes for Electrostatic Charge Mitigation and With Controllable Surface Properties. IEEE Transactions on Industry Applications, 2009, 45, 1547-1552.	4.9	6
13682	Silver/Polyaniline Composite Nanotubes: One-Step Synthesis and Electrocatalytic Activity for Neurotransmitter Dopamine. Journal of Physical Chemistry C, 2009, 113, 15175-15181.	3.1	112
13683	Cytotoxicity and Genotoxicity of Carbon Nanomaterials. Nanostructure Science and Technology, 2009, , 159-187.	0.1	46
13684	Tight-Binding Molecular Dynamics for Carbon and Applications to Nanostructure Formation. , 2009, , 9137-9158.		0
13685	Tandem extraction strategy for separation of metallic and semiconducting SWCNTs using condensed benzenoid molecules: effects of molecular morphology and solvent. Physical Chemistry Chemical Physics, 2009, 11, 7257.	2.8	18
13686	On the synthesis and magnetic properties of multiwall carbon nanotubeâ€superparamagnetic iron oxide nanoparticle nanocomposites. Nanotechnology, 2009, 20, 055607.	2.6	31
13687	Electronic Transport and Mechanical Properties of Phosphorus- and Phosphorusâ€Nitrogen-Doped Carbon Nanotubes. ACS Nano, 2009, 3, 1913-1921.	14.6	228
13688	The computational design of junctions between carbon nanotubes and graphene nanoribbons. Nanotechnology, 2009, 20, 225202.	2.6	26
13689	Low voltage driven field emission from a ZnO nanotetrapod and MgO hybrid emitter with a spin-coating method. , 2009, , .		0
13690	Single Conducting Polymer Nanowire Chemiresistive Label-Free Immunosensor for Cancer Biomarker. Analytical Chemistry, 2009, 81, 2168-2175.	6.5	165
13691	Growth of graphite film over the tops of vertical carbon nanotubes using Ni/Ti/Si substrate. International Journal of Minerals, Metallurgy and Materials, 2009, 16, 128-134.	4.9	2
13692	Synthesis of high purity multi-walled carbon nanotubes over Co-Mo/MgO catalyst by the catalytic chemical vapor deposition of methane. New Carbon Materials, 2009, 24, 119-123.	6.1	55
13693	Growth of carbon nanotubes by the catalytic decomposition of methane over Fe-Mo/Al2O3 catalyst: effect of temperature on tube structure. New Carbon Materials, 2009, 24, 307-313.	6.1	23

#	ARTICLE	IF	CITATIONS
13694	A simple solvothermal route to synthesize carbon microspheres. <i>New Carbon Materials</i> , 2009, 24, 375-378.	6.1	19
13695	Low-power hybrid complementary metal-oxide-semiconductor-nano-electro-mechanical systems field programmable gate array: circuit level analysis and defect-aware mapping. <i>IET Computers and Digital Techniques</i> , 2009, 3, 609.	1.2	3
13696	Structure and Dynamics of Water Confined in Single-Wall Nanotubes. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2103-2108.	2.5	46
13697	N-Octyl-O-sulfate chitosan stabilises single wall carbon nanotubes in aqueous media and bestows biocompatibility. <i>Nanoscale</i> , 2009, 1, 366.	5.6	19
13698	Natural Rubber-Carbon Nanotube Composites through Latex Compounding. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2009, 59, 33-44.	3.4	49
13699	Thermodynamic Properties of Carbon Nanotubes. <i>Journal of Chemical & Engineering Data</i> , 2009, 54, 1367-1370.	1.9	15
13700	Electrocatalytic oxidation and determination of estradiol using an electrode modified with carbon nanotubes and an ionic liquid. <i>Mikrochimica Acta</i> , 2009, 166, 53-59.	5.0	38
13701	Nanowire and nanotube transistors for lab-on-a-chip applications. <i>Lab on A Chip</i> , 2009, 9, 2267.	6.0	44
13702	Synergistically Enhanced Dispersion of Native Protein in Carbon Nanotube Conjugates by Fluoroalcohols in Aqueous Solution. <i>Chemistry - A European Journal</i> , 2009, 15, 9905-9910.	3.3	17
13703	Monte Carlo Study of the Properties of a Carbon Nanotube Functionalized by Magnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19155-19160.	3.1	22
13704	Carbon nanotubes as substrates/scaffolds for neural cell growth. <i>Progress in Brain Research</i> , 2009, 180, 110-125.	1.4	42
13705	Electrical transport measurements of highly conductive carbon nanotube/poly(bisphenol A) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	2.5	41
13706	Deriving Carbon Atomic Chains from Graphene. <i>Physical Review Letters</i> , 2009, 102, 205501.	7.8	571
13707	First-Principles Study of Faceted Single-Crystalline Silicon Carbide Nanowires and Nanotubes. <i>Journal of Physical Chemistry C</i> , 2009, 113, 856-861.	3.1	17
13708	Boron and Boron Carbide Materials: Nanostructures and Crystalline Solids. , 2009, , 271-291.		2
13709	The separation of different conducting multi-walled carbon nanotubes by AC dielectrophoresis. <i>Diamond and Related Materials</i> , 2009, 18, 332-336.	3.9	27
13710	A feasibility study of preparing carbon nanotubes by using a metal dusting process. <i>Diamond and Related Materials</i> , 2009, 18, 324-327.	3.9	8
13711	Application of carbon nanotubes as template for self-assembled nanowires. <i>Diamond and Related Materials</i> , 2009, 18, 328-331.	3.9	5

#	ARTICLE	IF	CITATIONS
13712	An ab-initio approach to the optical properties of C _x N _y single wall nanotubes. Diamond and Related Materials, 2009, 18, 1002-1005.	3.9	9
13713	Growth of needle-like RuO ₂ nanocrystals on carbon nanotubes and their field emission characteristics. Diamond and Related Materials, 2009, 18, 541-543.	3.9	11
13715	The effect of Ni catalytic nanoparticle on the growth of carbon nanotubes: A perspective from nanotribological characterization. Diamond and Related Materials, 2009, 18, 528-532.	3.9	18
13716	Selective decoration of silver nanoparticles on the defect sites of single-walled carbon nanotubes. Diamond and Related Materials, 2009, 18, 637-641.	3.9	13
13717	Continuous synthesis of carbon spheres by a non-catalyst vertical chemical vapor deposition. Diamond and Related Materials, 2009, 18, 601-605.	3.9	27
13718	Feasibility study of high performance field emitter pattern with the horizontally oriented carbon nanotubes by electrophoresis. Diamond and Related Materials, 2009, 18, 520-523.	3.9	3
13719	Infinite single-walled boron-nitride nanotubes studies by LGTO-PBC-DFT method. Diamond and Related Materials, 2009, 18, 351-354.	3.9	10
13720	Colors of carbon nanotubes. Diamond and Related Materials, 2009, 18, 935-939.	3.9	16
13722	Enhanced Hydrogen Adsorptivity of Single-Wall Carbon Nanotube Bundles by One-Step C ₆₀ -Pillaring Method. Nano Letters, 2009, 9, 3694-3698.	9.1	35
13723	Simulations of Aberration-Corrected High-Resolution Transmission Electron Microscope Images for Carbyne Chains. Journal of Physical Chemistry C, 2009, 113, 17751-17754.	3.1	4
13724	l-Cysteine-Assisted Controlled Synthesis of Selenium Nanospheres and Nanorods. Crystal Growth and Design, 2009, 9, 1327-1333.	3.0	76
13725	The mechanical and impact properties of MWNTs/LDPE nanocomposites. Pigment and Resin Technology, 2009, 38, 305-309.	0.9	4
13726	Surface-Modified Nanotube Anodes for High Performance Organic Light-Emitting Diode. ACS Nano, 2009, 3, 2258-2264.	14.6	130
13727	Transport Properties of a DNA-Conjugated Single-Wall Carbon Nanotube Field-Effect Transistor. Japanese Journal of Applied Physics, 2009, 48, 06FD08.	1.5	9
13728	Shape-Controlled Synthesis of Single-Crystalline Fe ₂ O ₃ Hollow Nanocrystals and Their Tunable Optical Properties. Journal of Physical Chemistry C, 2009, 113, 9928-9935.	3.1	146
13729	Converting an insulating silicon nanochain to a conducting carbon nanotube by electrical breakdown. Nanotechnology, 2009, 20, 335602.	2.6	13
13730	Structural, optical and field emission properties of ZnO nanowires grown by non-catalytic thermal evaporation process. International Journal of Nanomanufacturing, 2009, 4, 77.	0.3	1
13731	Raman and SEM studies of nanocrystalline Pd-carbonaceous films. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
13732	One-Step Electrodeposited Carbon Nanotube/Zirconia/Myoglobin Film for Direct Electron Transfer and Electrocatalysis. Journal of the Chinese Chemical Society, 2009, 56, 822-827.	1.4	7
13733	12.4: 7 Inch Field Emission Backlight Unit Assembly Using TiO ₂ Coated Spacer for LCD Panel. Digest of Technical Papers SID International Symposium, 2009, 40, 142-145.	0.3	1
13734	6.2: Distinguished Paper: Improvements of Color CNT-FED Character-Displays. Digest of Technical Papers SID International Symposium, 2009, 40, 46.	0.3	2
13735	Carbon Nanotube Based DNA Biosensor for Rapid Detection of Anti-Cancer Drug of Cyclophosphamide. Current Nanoscience, 2009, 5, 312-317.	1.2	9
13736	Adsorption of Lead(II) from Water by Carbon Nanotubes: Equilibrium, Kinetics, and Thermodynamics. Water Environment Research, 2009, 81, 598-607.	2.7	28
13738	Effects of Additives on Microstructures of Titanate Based Nanotubes Prepared by the Hydrothermal Process. Materials Transactions, 2009, 50, 1054-1059.	1.2	5
13739	Preparation and Microstructure of Carbon Nanotube-Toughened Alumina Composites. Journal of Solid Mechanics and Materials Engineering, 2009, 3, 85-95.	0.5	3
13740	Influence of the factors on thermal conductivity of carbonaceous fiber reinforced aluminum composites. Keikinzoku/Journal of Japan Institute of Light Metals, 2009, 59, 562-568.	0.4	1
13741	Electrical Multifunctionalization of Structure Ceramics by 3-dimensional Nano-network Design and Control. Materia Japan, 2009, 48, 499-507.	0.1	0
13742	Tensile Characterization of Carbon Nanotube-Reinforced Polymer Composites at Cryogenic Temperatures: Experiments and Multiscale Simulations. Materials Transactions, 2009, 50, 436-445.	1.2	35
13743	Effect of C₂/H₂/N₂ Ratio on Tribological and Mechanical Behavior of Carbon Nanotube Containing Brake Lining Materials Prepared through CVD Process. Materials Transactions, 2009, 50, 1531-1535.	1.2	0
13744	Synthesis of .BETA.-SiC/SiO ₂ core-shell nanowires by simple thermal evaporation. Journal of the Ceramic Society of Japan, 2009, 117, 194-197.	1.1	18
13745	Effect Of Au Thickness On The Structural Properties Of Carbon Nanostructure Deposited On Nanostructured ZnO Thin Film As A Template. , 2009, , .		0
13746	Preparation of Carbon Nanotubes by Low Electric Current Arc Discharge in Water. Hyomen Cijutsu/Journal of the Surface Finishing Society of Japan, 2009, 60, 349-351.	0.2	4
13747	Effect of Reaction Temperature and Flow Rate of Precursor on Formation of Multi-Walled Carbon Nanotubes. , 2009, , .		4
13752	Carbon nanotube electronics and photonics. Physics Today, 2009, 62, 34-40.	0.3	327
13753	Structural Changes of Carbon Nanotubes Prepared by Fermented Glutinous Rice at Different Vaporization and Deposition Temperatures of Thermal-CVD. , 2009, , .		0
13754	Modified fluidised floating catalyst thermal CVD method for preparing carbon nanotubes using Fe/Co/Al. Materials Research Innovations, 2009, 13, 182-184.	2.3	3

#	ARTICLE	IF	CITATIONS
13755	Effects of Ni catalyzer on growth velocity and morphology of vapor growth SiC nano-fibers. Journal of Physics: Conference Series, 2009, 152, 012071.	0.4	1
13756	⁴ He on the outside of a bundle of (10,10) carbon nanotubes. Journal of Physics: Conference Series, 2009, 150, 032023.	0.4	1
13757	A green access to highly pure single-walled carbon nanotubes by taurocholate-assistant dispersion and centrifugation. Journal of Physics: Conference Series, 2009, 188, 012050.	0.4	0
13758	Synthesis of coiled carbon nanofibers and Y-shaped carbon fibers. Journal of Physics: Conference Series, 2009, 152, 012069.	0.4	0
13759	CNTFET Gas Sensors Using SWCNT Mats: Method for Low-cost Fabrication, Solution to Improve Selectivity, Experimental Results using Interfering Agents. Materials Research Society Symposia Proceedings, 2009, 1204, 1.	0.1	1
13760	Preparation and characterisation of one-dimensional zinc oxide structure. Materials Research Innovations, 2009, 13, 153-156.	2.3	1
13761	12.1: <i>Invited Paper</i>: Enhanced Electron Emission of Carbonâ€Nanotube Emitters with Postâ€Growth Treatment. Digest of Technical Papers SID International Symposium, 2009, 40, 131-134.	0.3	0
13762	The role of interparticle and external forces in nanoparticle assembly. , 2009, , 38-49.		14
13765	The Incorporation of Nanomaterials into Polymer Media. , 2009, , .		3
13766	Luminescence of Cup-Stacked Carbon Nanotubes and Its Application to Microchip Electrophoresis. Bunseki Kagaku, 2009, 58, 517-521.	0.2	0
13767	Electrical Resistance Variation of MWCNT/PMMA Composite for Gaseous Toluene Detection. Journal of Chemical Engineering of Japan, 2009, 42, S238-S241.	0.6	2
13768	Visible and Near-infrared Laser Desorption Ionization Mass Spectrometry Using Single Wall Carbon Nanotubes. Chemistry Letters, 2009, 38, 142-143.	1.3	11
13769	Preparation of Carbon Nanoparticles from Candle Soot. Chemistry Letters, 2009, 38, 28-29.	1.3	8
13770	Aligned Coaxial Nanowires of Carbon Nanotubes Partially Sheathed with Polyaniline for Chemical Sensors. Chemistry Letters, 2009, 38, 380-381.	1.3	1
13771	Reductive Alkylation and Arylation of Single-walled Carbon Nanotubes in Ethylenediamine via Benkeser Reaction. Chemistry Letters, 2009, 38, 220-221.	1.3	10
13772	Synthesis of VO<i>x</i> Nanotubes by Cooperation of Tetramethylammonium Hydroxide and Tetradecylamine in Short Duration. Chemistry Letters, 2009, 38, 928-929.	1.3	3
13773	Finite element modelling of nano-structured materials. International Journal of Nano and Biomaterials, 2009, 2, 263.	0.1	2
13774	No_x sensing characteristics of single wall carbon nanotube gas sensor prepared by pulsed laser ablation. International Journal of Nanomanufacturing, 2009, 4, 186.	0.3	5

#	ARTICLE	IF	CITATIONS
13775	Chemical modification of multi-walled carbon nanotubes using different oxidising agents: optimisation and characterisation. International Journal of Nanoparticles, 2009, 2, 200.	0.3	6
13776	Kinetics of acetylene decomposition over reduced strontium hexaferrites catalyst for the production of carbon nanotubes. International Journal of Nanoparticles, 2009, 2, 430.	0.3	1
13777	Multi-walled carbon nanotubes synthesised from different catalysts: morphology, dielectrophoresis and conductance. International Journal of Nanotechnology, 2009, 6, 329.	0.2	0
13778	Room-temperature synthesis and characterisation of ion-induced iron-carbon nanocomposite fibres. International Journal of Nanotechnology, 2009, 6, 753.	0.2	8
13779	Atomic wires of carbon. Physics Magazine, 2009, 2, .	0.1	6
13780	Multi-stage fatigue life monitoring on quasi-isotropic carbon fibre reinforced polymers enhanced with multi-wall carbon nanotubes: parallel use of electrical resistance, acoustic emission, and acousto-ultrasonic techniques. , 2009, , .		1
13781	Structure and Texture of Carbon Materials. Advanced Materials and Technologies, 2009, , 37-76.	0.4	2
13782	Overview of Challenges and Opportunities. , 2009, , .		0
13783	History of Carbon Nanomaterials. , 2009, , .		0
13784	Fundamentals of Carbon-Based Nanocomposites. , 2009, , .		0
13785	Adsorption in Nanoporous Materials. , 2009, , 275-338.		0
13786	Fracture Nano-Mechanics : 2nd Report, Strength of Nano-Elements(<Special Issue>Thermal and) Tj ETQq1 1 0.784314 rgBT /Overlock Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2009, 75, 784-791.	0.2	0
13787	Synthesis of Single- and Double-Wall Carbon Nanotubes by Gas Flow-Modified Catalyst-Supported Chemical Vapor Deposition. IEICE Transactions on Electronics, 2009, E92-C, 1483-1486.	0.6	1
13788	Effective elastic properties of nanotube reinforced composites with slightly weakened interfaces. Journal of Mechanics of Materials and Structures, 2009, 4, 887-900.	0.6	43
13791	Effects of reducing interferers in a binary gas mixture on NO ₂ gas adsorption using carbon nanotube networked films based chemiresistors. Journal Physics D: Applied Physics, 2009, 42, 072002.	2.8	13
13792	Hybrid Nanowire Growth via Field Emission based on Nanorobotic Manipulation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 185-190.	0.4	0
13793	Meeting current public health needs: optical biosensors for pathogen detection and analysis. , 2009, , .		2
13794	The effective mechanical properties and the interfacial characterization of CNT reinforced nanocomposites. Proceedings of SPIE, 2009, , .	0.8	0

#	ARTICLE	IF	CITATIONS
13795	Using dip pen techniques for synthesis of nanostructures. , 2009, , .		0
13796	Transient behavior of integrated carbon nanotube field effect transistor circuits and bio-sensing applications. Proceedings of SPIE, 2009, , .	0.8	2
13797	Scanning probe measurements of CuI doped single-walled carbon nanotubes. Proceedings of SPIE, 2009, , .	0.8	0
13798	Carbon nanotube vee dipole antennas for optical applications. , 2009, , .		0
13799	Carbon nanotube-based non-cryogenic cooled spectrum IR detectors. , 2009, , .		2
13800	Preparation and properties of PBO/SWNT composite fibers. Proceedings of SPIE, 2009, , .	0.8	1
13801	Analytical Tools for Detecting Amyloid Beta Oligomerisation and Assembly. Current Pharmaceutical Analysis, 2009, 5, 229-245.	0.6	11
13802	Tubular nanostructured materials for bioapplications. , 2009, , .		1
13803	Auger investigation of fullerene nanowhiskers heat-treated at 400-800 degrees centigrade. Journal of Physics: Conference Series, 2009, 159, 012025.	0.4	1
13804	Carbon nanotube: A novel material for applications. Journal of Physics: Conference Series, 2009, 187, 012002.	0.4	8
13805	Treatment of Micropollutants in Water and Wastewater. Water Intelligence Online, 0, 9, .	0.3	27
13806	Nanotechnology for Delivery of Drugs and Biomedical Applications. Current Clinical Pharmacology, 2010, 5, 257-280.	0.6	55
13807	Dual-template Assisted Synthesis of Silica Nanotubes. Current Nanoscience, 2010, 6, 243-248.	1.2	6
13808	Carbon nanotube electrodes for electrochemiluminescence biosensors. , 2010, , .		0
13809	The organization of carbon nanotube and silicon nanowires using lateral-type porous anodic alumina. , 2010, , .		4
13810	A MOSFET-Like Infrared Sensor for the Enhancement of Photoconductivity and Photoresponsivity. Current Nanoscience, 2010, 6, 648-653.	1.2	0
13811	21.4: <i>Distinguished Student Paper</i>: Switching of Carbon Nanotubes Emitters with Integrated MOSFET. Digest of Technical Papers SID International Symposium, 2010, 41, 307-310.	0.3	0
13812	Aberration-corrected electron microscopy processing and imaging of novel organic and inorganic nanostructures. Journal of Physics: Conference Series, 2010, 241, 012100.	0.4	0

#	ARTICLE	IF	CITATIONS
13813	Transformation from C60fullerene into carbon spheres by shock compression. Journal of Physics: Conference Series, 2010, 215, 012146.	0.4	0
13814	King of the elements?. Nanotechnology, 2010, 21, 300201.	2.6	13
13815	CVD Growth of Carbon Nanotubes and Nanofibers: Big Length and Constant Diameter. Macromolecular Symposia, 2010, 287, 143-147.	0.7	4
13816	21.2: Fabrication and Properties of Planarâ€gateâ€type Triode with CNTs Emitters for Backlight Unit. Digest of Technical Papers SID International Symposium, 2010, 41, 301-303.	0.3	0
13817	P-100: A Power-saving, High Brightness and Uniformity Field Emission Planar Lamp. Digest of Technical Papers SID International Symposium, 2010, 41, 1626.	0.3	0
13818	Pâ€156: Transparent Conductive Electrodes Based on Patterned Silver Thin Film by Nanosphere Lithography. Digest of Technical Papers SID International Symposium, 2010, 41, 1834-1836.	0.3	0
13819	Carbon nanotube-based noncryogenic cooled multispectrum focal plane array. , 2010, , .		0
13820	Initial studies of the bidirectional reflectance distribution function of carbon nanotube structures for stray light control applications. Proceedings of SPIE, 2010, , .	0.8	4
13821	CVD synthesis of carbon nanofibres with washable support catalyst of potassium fluoride. International Journal of Nanomanufacturing, 2010, 5, 100.	0.3	2
13822	Stability analysis of carbon nanotubes using a hybrid atomistic-structural element. International Journal of Nanomanufacturing, 2010, 5, 366.	0.3	0
13823	Efficient low debris hard x-ray source based on intense femtosecond laser irradiation on multiwalled carbon nanotubes. Proceedings of SPIE, 2010, , .	0.8	0
13824	Peter Clay Eklund: a scientific biography. Journal of Physics Condensed Matter, 2010, 22, 330301.	1.8	0
13826	Characterizing and Modeling Mechanical Properties of Nanocomposites-Review and Evaluation. Journal of Minerals and Materials Characterization and Engineering, 2010, 09, 275-319.	0.4	87
13827	Micro-Nano Robotics and Automation System. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 20-25.	0.4	3
13829	The physics of boron nitride nanotubes. Physics Today, 2010, 63, 34-38.	0.3	119
13830	Fabrication and mechanical properties of high-dispersion-treated carbon nanofiber/alumina composites. Journal of the Ceramic Society of Japan, 2010, 118, 847-854.	1.1	16
13831	Characterization of multi-walled carbon nanotubes (MWNTs) synthesized by CCVD using zeolite template from acetylene. Journal of the Ceramic Society of Japan, 2010, 118, 983-988.	1.1	5
13832	Liquid-Phase Nanospace Science of Bionanotubes Consisting of Synthetic Lipid Membranes. Kobunshi Ronbunshu, 2010, 67, 560-573.	0.2	2

#	ARTICLE	IF	CITATIONS
13833	Nanowear Characteristics of Carbon Nanotube Film Made by Surface Decomposition of SiC. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2010, 4, 373-382.	0.7	2
13834	Strength of VGCF/Al Composites for High Thermal Conductivity. Journal of Solid Mechanics and Materials Engineering, 2010, 4, 1273-1281.	0.5	5
13836	Synthesis of Carbon Nanotube/Silver Nanocomposites by Ultrasonication. Materials Transactions, 2010, 51, 1769-1772.	1.2	20
13837	Boron Nitride Nanotubes for a Series of Novel Nano-composite Materials. Nippon Gomu Kyokaishi, 2010, 83, 375-381.	0.0	0
13838	Various Advanced Properties and Applications of Carbon Nanotubes/Rubber Composites. Nippon Gomu Kyokaishi, 2010, 83, 354-360.	0.0	1
13839	Soluble Carbon Nanotubes and Application to Electrochemistry. Electrochemistry, 2010, 78, 2-15.	1.4	5
13841	Nano Carbon Materials and Their Applications. Nippon Gomu Kyokaishi, 2010, 83, 347-353.	0.0	1
13843	The politics of neglect: Path selection and development in nanotechnology innovation. Advances in the Study of Entrepreneurship, Innovation, and Economic Growth, 2010, , 27-58.	0.6	1
13845	Wave propagation in carbon nanotubes: nonlocal elasticity-induced stiffness and velocity enhancement effects. Journal of Mechanics of Materials and Structures, 2010, 5, 459-476.	0.6	52
13847	Collision of a suddenly released bent carbon nanotube with a circular graphene sheet. Journal of Applied Physics, 2010, 107, 074303.	2.5	11
13848	Carbon Nanotubes: Numerical Simulation of Absorbing Properties in Visible and Infrared Regime. , 2010, , .		1
13849	Ultra High Speed CNFET Full-Adder Cell Based on Majority Gates. IEICE Transactions on Electronics, 2010, E93-C, 932-934.	0.6	1
13850	Functionalization of carboxylated multiwall nanotubes with imidazole derivatives and their toxicity investigations. International Journal of Nanomedicine, 2010, 5, 907.	6.7	27
13851	Deposition of Polypyrrole Onto a Novel Polymer Electrode for Use in a Biomimetic Artificial Excitable Cell Membrane. , 2010, , .		0
13852	Institutional sources of technological knowledge: a community perspective on nanotechnology emergence. Research in the Sociology of Organizations, 2010, , 149-176.	0.8	14
13855	Engineering the Synthesis of Carbon Nanotubes to Fabricate Novel Nanostructures. , 2010, , 131-158.		0
13856	Carbon-Nanotube-Based Sensors. , 2010, , 1-30.		0
13859	Solid-State Gas Sensors. , 2010, , 1-42.		0

#	ARTICLE	IF	CITATIONS
13863	A scattered data approximation tool to map single-walled carbon nanotube dispersion to the processing parameters in polymer nanocomposites. International Journal of Knowledge Engineering and Data Mining, 2010, 1, 184.	0.0	1
13864	Low-cost production and applications of high purity carbon nanotubes. International Journal of Nanomanufacturing, 2010, 6, 111.	0.3	8
13865	Disorder in low dimensions: localisation effects in spin glass wires and cold atoms. International Journal of Nanotechnology, 2010, 7, 420.	0.2	1
13866	Prussian Blue Electrodeposited on Nano Ag-coated Multiwalled Carbon Nanotubes Composite for the Determination of Hydrogen Peroxide. Analytical Sciences, 2010, 26, 343-347.	1.6	11
13867	Simultaneous Determination of Ascorbic Acid and Uric Acid by a New Modified Carbon Nanotube-Paste Electrode Using Chloromercuriferrocene. Analytical Sciences, 2010, 26, 425-430.	1.6	13
13868	Hydrogen storage: a comparison of hydrogen uptake values in carbon nanotubes and modified charcoals. EPJ Applied Physics, 2010, 52, 21101.	0.7	4
13869	Deformation-Induced Anisotropy of Absorption Spectra in Bilayer Graphenes. Journal of the Physical Society of Japan, 2010, 79, 104301.	1.6	3
13870	Strain Sensing Using Multiwalled Carbon Nanotube Film Subjected to Temperature Variation. , 2010, , .		0
13871	Effect of Surface-oxidized Structure of Single-walled Carbon Nanotubes on Heterogeneous Direct Electron-transfer Reaction of Cytochrome <i>c</i> . Chemistry Letters, 2010, 39, 976-977.	1.3	6
13872	Development of Facile Synthetic Methods of Carbon Nanotubes Using a Domestic Microwave Oven. Bulletin of the Chemical Society of Japan, 2010, 83, 1100-1106.	3.2	9
13873	AFM as a robot for automated nanohandling. , 2010, , .		2
13875	Oxidation of Carbon Nanotubes by Combination of Ultraviolet Irradiation and Hydrogen Peroxide Treatment for Environmental Benefit. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2010, 61, 384-385.	0.2	1
13876	Temporally-Resolved Measurements on Growth Processes of Nanoparticles in Laser Ablation. The Review of Laser Engineering, 2010, 38, 113-119.	0.0	1
13877	Highly selective sensors based on Carbon Nanotubes transistors, fabricated using an original dynamic spray technique, for gas electronic fingerprinting.. , 2010, , .		0
13878	A Novel Structure for Carbon Nanotube Reinforced Alumina Composites : Effects of Sintering Additives on the Mechanical Properties(<Special Issue>M & M 2009 Conference). Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2010, 76, 416-418.	0.2	0
13879	Fundamentals of Mass Spectrometry. Journal of the Mass Spectrometry Society of Japan, 2010, 58, 47-73.	0.1	7
13880	Cyclic voltammetric investigation of Eu ³⁺ on a MWCNTs/SDS-modified glassy carbon (GC) electrode. Russian Journal of Electrochemistry, 2010, 46, 180-187.	0.9	5
13881	Adsorption properties of carbon nanotubes depending on the temperature of their synthesis and subsequent treatment. Journal of Analytical Chemistry, 2010, 65, 682-689.	0.9	25

#	ARTICLE	IF	CITATIONS
13882	Investigation of the formation of nanowires from silicon whiskers. Crystallography Reports, 2010, 55, 500-506.	0.6	1
13883	One-dimensional SnF ₂ single crystals in the inner channels of single-wall carbon nanotubes: I. Preparation and basic characterization. Crystallography Reports, 2010, 55, 507-512.	0.6	11
13884	One-dimensional SnF ₂ single crystals in the inner channels of single-wall carbon nanotubes: II. Structure and nanocomposite construction modeling. Crystallography Reports, 2010, 55, 688-694.	0.6	7
13885	Structure of connections of single-walled carbon nanotubes with the use of the combined 5 \times 7 and 4 \times 8 topological defects. Physics of the Solid State, 2010, 52, 868-875.	0.6	3
13886	Comparative X-ray absorption investigation of fluorinated single-walled carbon nanotubes. Physics of the Solid State, 2010, 52, 876-883.	0.6	20
13887	Semiconductor nanocylindrical layer in a strong electric field: Spectrum of carriers and intraband transitions. Physics of the Solid State, 2010, 52, 1744-1749.	0.6	8
13888	Electric field enhancement in field-emission cathodes based on carbon nanotubes. Technical Physics, 2010, 55, 289-295.	0.7	19
13889	Simulation of novel superhard carbon materials based on fullerenes and nanotubes. Journal of Superhard Materials, 2010, 32, 67-87.	1.2	23
13890	Effect of multiwalled carbon nanotubes on tensile stress-strain diagrams of amorphous-crystalline thermoplastic polymers. Technical Physics Letters, 2010, 36, 804-806.	0.7	3
13891	A novel functional material based on carbon nanotubes modified by copper nanoparticles. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2010, 36, 366-369.	1.0	1
13892	Hydrothermal synthesis of nanotubes based on (Mg,Fe,Co,Ni) ₃ Si ₂ O ₅ (OH) ₄ hydrosilicates. Glass Physics and Chemistry, 2010, 36, 53-60.	0.7	22
13893	Aqueous solutions of cesium salts and cesium hydroxide in hydrosilicate nanotubes of the Mg ₃ Si ₂ O ₅ (OH) ₄ composition. Glass Physics and Chemistry, 2010, 36, 345-350.	0.7	7
13894	Methane conversion into hydrogen and carbon nanostructures. Journal of Engineering Thermophysics, 2010, 19, 23-30.	1.4	3
13895	Plasma-chemical synthesis of carbon and composite nanostructure materials in an electric arc. Journal of Engineering Thermophysics, 2010, 19, 94-101.	1.4	4
13896	Theoretical studies on the electronic structures and spectra of single silicon-doped SWCNTs. Open Chemistry, 2010, 8, 587-593.	1.9	2
13897	Flame atomic absorption spectrometric determination of trace amounts of lead, cadmium and nickel in different matrixes after solid phase extraction on modified multiwalled carbon nanotubes. Open Chemistry, 2010, 8, 662-668.	1.9	66
13898	B and N-doped double walled carbon nanotube: a theoretical study. Central European Journal of Physics, 2010, 8, 811-818.	0.3	5
13899	Effects of acid treatment duration and sulfuric acid molarity on purification of multi-walled carbon nanotubes. Open Physics, 2010, 8, .	1.7	4

#	ARTICLE	IF	CITATIONS
13900	Effect of time on the metal-support (Fe-MgO) interaction in CVD synthesis of single-walled carbon nanotubes. Chemical Papers, 2010, 64, .	2.2	4
13901	Direct electrochemistry and electrocatalysis of horseradish peroxidase immobilized in hyaluronic acid and single walled carbon nanotubes composite film. Chemical Papers, 2010, 64, .	2.2	4
13902	Carbon nanotubes for nanomanipulation. Automatic Documentation and Mathematical Linguistics, 2010, 44, 44-52.	0.5	2
13903	Computer simulation of mechanical properties of carbon nanostructures. Mechanics of Solids, 2010, 45, 595-609.	0.7	5
13904	On using many-particle interatomic potentials to compute elastic properties of graphene and diamond. Mechanics of Solids, 2010, 45, 815-834.	0.7	23
13905	Multiwalled Carbon Nanotubes as SPE Adsorbents for Simultaneous Determination of Seven Sulfonylurea Herbicides in Environmental Water by LC-MS. Chromatographia, 2010, 72, 403-409.	1.3	26
13906	Application of Sol-Gel Based Poly(ethylene glycol)/Multiwalled Carbon Nanotubes Coated Fiber for SPME of Methyl tert-Butyl Ether in Environmental Water Samples. Chromatographia, 2010, 72, 923-931.	1.3	33
13907	Long lived photo excitations in (6, 5) carbon nanotubes. European Physical Journal B, 2010, 75, 115-120.	1.5	9
13908	Electronic structure of boron nitride nanostructures doped with a carbon atom. European Physical Journal B, 2010, 73, 211-214.	1.5	8
13909	Thermodynamic functions of electron gas on the semiconductor nanotube surface in a magnetic field. European Physical Journal B, 2010, 73, 383-388.	1.5	13
13910	Comparison of the structural, electronic and magnetic properties of Fe, Co and Ni nanowires encapsulated into silicon carbide nanotube. European Physical Journal B, 2010, 73, 555-561.	1.5	16
13911	Cisplatin filled multiwalled carbon nanotubes – a novel molecular hybrid of anticancer drug container. European Physical Journal B, 2010, 75, 141-146.	1.5	33
13912	Stability and electronic properties of carbon nanotubes doped with transition metal impurities. European Physical Journal B, 2010, 74, 123-128.	1.5	11
13913	Comparative study on homogeneity, filling ratio and purity of iron filled multiwalled carbon nanostructures. European Physical Journal B, 2010, 75, 157-161.	1.5	2
13914	Anisotropic tight-binding model applied to zigzag ultra-small nanotubes. European Physical Journal B, 2010, 74, 527-533.	1.5	6
13915	Structural, electronic and magnetic properties of the 3d transition metal atoms adsorbed on boron nitride nanotubes. European Physical Journal B, 2010, 76, 289-299.	1.5	19
13916	Quasi-one dimensional graphite ribbon structures in the presence of a magnetic field and the on-site Coulomb correlation at half-filling. European Physical Journal B, 2010, 76, 435-444.	1.5	0
13917	Electron localization in superlattice-carbon nanotubes. European Physical Journal B, 2010, 78, 59-64.	1.5	12

#	ARTICLE	IF	CITATIONS
13918	Stability of vacancies in carbon nanocones. European Physical Journal B, 2010, 78, 347-351.	1.5	6
13919	First-principle study of interaction of molecular hydrogen with BC ₃ composite single-walled nanotube. European Physical Journal D, 2010, 56, 341-345.	1.3	3
13920	Structures and electronic properties of stoichiometric hydrogenated aluminum clusters. European Physical Journal D, 2010, 57, 197-205.	1.3	3
13921	Some novel plane trajectories for carbon atoms and fullerenes captured by two fixed parallel carbon nanotubes. European Physical Journal D, 2010, 59, 367-374.	1.3	3
13922	Investigating the Outskirts of Fe and Co Catalyst Particles in Alumina-Supported Catalytic CVD Carbon Nanotube Growth. ACS Nano, 2010, 4, 1146-1152.	14.6	48
13923	Formation Mechanism of TiO ₂ -Derived Titanate Nanotubes Prepared by the Hydrothermal Process. Inorganic Chemistry, 2010, 49, 5845-5852.	4.0	125
13924	Assembling Exfoliated Layered Double Hydroxide (LDH) Nanosheet/Carbon Nanotube (CNT) Hybrids via Electrostatic Force and Fabricating Nylon Nanocomposites. Journal of Physical Chemistry B, 2010, 114, 16766-16772.	2.6	97
13925	Sensitive Efficiency of Photoinduced Electron Transfer to Band Gaps of Semiconductive Single-Walled Carbon Nanotubes with Supramolecularly Attached Zinc Porphyrin Bearing Pyrene Glues. Journal of the American Chemical Society, 2010, 132, 8158-8164.	13.7	109
13926	Raman Probing of Uniaxial Strain in Individual Single-Wall Carbon Nanotubes in a Composite Material. Journal of Physical Chemistry C, 2010, 114, 16210-16214.	3.1	9
13927	Fabrication of multiwalled carbon nanotube-reinforced electrospun polymer nanofibers containing zero-valent iron nanoparticles for environmental applications. Journal of Materials Chemistry, 2010, 20, 5700.	6.7	108
13928	Synthesis of Carbon Nanostructures by CVD Method. Advanced Structured Materials, 2010, , 23-49.	0.5	47
13929	Ballistic transport in nanowires and carbon nanotubes. , 2010, , .		0
13930	A Cyano-Bridged Cr ^{III} Co ^{II} Ferromagnet with a Chiral Nanotubular Structure Constituted of Interlocked Single and Double Helices. Inorganic Chemistry, 2010, 49, 1271-1273.	4.0	51
13931	A theoretical study on the effect of intercalating sulfur atom and doping boron atom on the adsorption of hydrogen molecule on (10,0) single-walled carbon nanotubes. Journal of the Iranian Chemical Society, 2010, 7, S92-S102.	2.2	9
13932	Molecular diagnostic and drug delivery agents based on aptamer-nanomaterial conjugates. Advanced Drug Delivery Reviews, 2010, 62, 592-605.	13.7	268
13933	Synthetic Fabrication of Nanoscale MoS ₂ -Based Transition Metal Sulfides. Materials, 2010, 3, 401-433.	2.9	51
13934	To What Extent Do Graphene Scaffolds Improve the Photovoltaic and Photocatalytic Response of TiO ₂ Nanostructured Films?. Journal of Physical Chemistry Letters, 2010, 1, 2222-2227.	4.6	379
13935	Layer-by-Layer Polymer Coating of Carbon Nanotubes: Tuning of Electrical Conductivity in Random Networks. Journal of the American Chemical Society, 2010, 132, 3751-3755.	13.7	58

#	ARTICLE	IF	CITATIONS
13936	Electron Transport in Carbon Nanotubes. Annual Review of Condensed Matter Physics, 2010, 1, 1-25.	14.5	59
13937	Novel properties of graphene nanoribbons: a review. Journal of Materials Chemistry, 2010, 20, 8207.	6.7	369
13938	Microwave-assisted synthesis of Sb ₂ Se ₃ submicron tetragonal tubular and spherical crystals. Nanotechnology, 2010, 21, 035606.	2.6	24
13939	Sequence-Specifically Addressable Hairpin DNA-Single-Walled Carbon Nanotube Complexes for Nanoconstruction. ACS Nano, 2010, 4, 649-656.	14.6	18
13940	Low frequency vibration of multiwall carbon nanotubes with heterogeneous boundaries. Journal Physics D: Applied Physics, 2010, 43, 085405.	2.8	45
13941	Chemistry in the Nanospace of Carbon Nanotubes. Chemistry - an Asian Journal, 2010, 5, 1030-1038.	3.3	9
13942	Integrating Reaction Chemistry into Molecular Electronic Devices. Chemistry - an Asian Journal, 2010, 5, 1040-1057.	3.3	24
13943	One-Dimensional Carbon Nanotube/SnO ₂ /Noble Metal Nanoparticle Hybrid Nanostructure: Synthesis, Characterization, and Electrochemical Sensing. Chemistry - an Asian Journal, 2010, 5, 1838-1845.	3.3	16
13944	En Route to Nanodevices of Polyoxometalate: Incorporating the Giant Nanoporous Molybdenum-Oxide based Wheels and Balls into Nanotubular Arrays. Chemistry - an Asian Journal, 2010, 5, 1984-1987.	3.3	16
13945	Liquid-Phase Hydrogenation of Unsaturated Aldehydes: Enhancing Selectivity of Multiwalled Carbon Nanotube-Supported Catalysts by Thermal Activation. ChemCatChem, 2010, 2, 190-197.	3.7	38
13946	Stick-Spiral Model for Studying Mechanical Properties of Carbon Nanotubes. Challenges and Advances in Computational Chemistry and Physics, 2010, , 297-322.	0.6	0
13947	Properties, synthesis, and growth mechanisms of carbon nanotubes with special focus on thermal chemical vapor deposition. Nanoscale, 2010, 2, 1306.	5.6	257
13948	Applying the Multiple Linear Regressions and Taguchi Design Method for Controlled Fabrication of Carbon Nanotubes in Solution. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 148-159.	2.1	4
13949	Electromagnetic waves propagating in a periodic array of parallel metallic carbon nanotubes. Physical Review B, 2010, 82, .	3.2	38
13950	Resonant Raman spectroscopy of deformed single-walled carbon nanotubes under both torsional and tensile strain. Physical Review B, 2010, 81, .	3.2	6
13951	Rheological and Tribological Properties of Ionic Liquid-Based Nanofluids Containing Functionalized Multi-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 8749-8754.	3.1	164
13952	Molecular simulation of zinc oxide nanostructures confined in carbon nanotubes. Molecular Simulation, 2010, 36, 1045-1058.	2.0	4
13953	Creating chirality in the inner walls of silica nanotubes through a hydrogel template: chiral transcription and chiroptical switch. Chemical Communications, 2010, 46, 7178.	4.1	81

#	ARTICLE	IF	CITATIONS
13954	Strong magnetism observed in carbon nanoparticles produced by the laser vaporization of a carbon pellet in hydrogen-containing Ar balance gas. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 334209.	1.8	11
13955	Graphene/Polymer Nanocomposites. <i>Macromolecules</i> , 2010, 43, 6515-6530.	4.8	2,979
13956	Carbon Nanotubes for Photoconversion and Electrical Energy Storage. <i>Chemical Reviews</i> , 2010, 110, 6856-6872.	47.7	269
13957	Dendritic carbon architectures formed by nanotube core-directed diffusion-limited aggregation of nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9475.	2.8	6
13958	Interaction of gold nanotubes with the Si(211) surface: A density functional study. <i>Physical Review B</i> , 2010, 82, .	3.2	1
13959	Chiral currents in gold nanotubes. <i>Physical Review B</i> , 2010, 81, .	3.2	15
13960	Exfoliation and Chemical Modification Using Microwave Irradiation Affording Highly Functionalized Graphene. <i>ACS Nano</i> , 2010, 4, 7499-7507.	14.6	150
13961	One-dimensional single-crystalline TiO ₂ based nanostructures: properties, synthesis, modifications and applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 5993.	6.7	195
13962	Plasma-Induced Grafting of Cyclodextrin onto Multiwall Carbon Nanotube/Iron Oxides for Adsorbent Application. <i>Journal of Physical Chemistry B</i> , 2010, 114, 6779-6785.	2.6	267
13963	Optical excitations in electron microscopy. <i>Reviews of Modern Physics</i> , 2010, 82, 209-275.	45.6	1,165
13964	Water on graphene surfaces. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 284111.	1.8	43
13965	Deformation and transfer doping of a single-walled carbon nanotube adsorbed on metallic substrates. <i>Physical Review B</i> , 2010, 81, .	3.2	13
13966	DNA-Functionalized Carbon Nanotubes: Synthesis, Self-Assembly, and Applications. <i>Israel Journal of Chemistry</i> , 2010, 50, 277-290.	2.3	15
13967	Quantifying the Stacking Registry Matching in Layered Materials. <i>Israel Journal of Chemistry</i> , 2010, 50, 506-514.	2.3	28
13968	Inorganic Nanotubes and Nanostructures. <i>Israel Journal of Chemistry</i> , 2010, 50, 393-394.	2.3	3
13969	Application and toxicity of CNTs in human body. <i>Toxicology and Environmental Health Sciences</i> , 2010, 2, 94-98.	2.1	0
13971	Single-walled carbon nanotube as an effective quencher. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 73-83.	3.7	108
13972	Current activities of ISO TC229/WG2 on purity evaluation and quality assurance standards for carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 963-971.	3.7	9

#	ARTICLE	IF	CITATIONS
13973	Highly selective and non-conventional sorbents for the determination of biomarkers in urine by liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1029-1038.	3.7	11
13974	Determination of β -glucosidase activity in soils with a bioanalytical sensor modified with multiwalled carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1347-1353.	3.7	30
13975	Glassy carbon electrodes modified by multiwalled carbon nanotubes and poly(neutral red): A comparative study of different brands and application to electrocatalytic ascorbate determination. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1675-1685.	3.7	58
13976	Sensitive and selective determination of hydrazine using glassy carbon electrode modified with Pd nanoparticles decorated multiwalled carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1411-1416.	3.7	50
13977	The increasing importance of carbon nanotubes and nanostructured conducting polymers in biosensors. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1575-1589.	3.7	79
13978	Coupled heat and mass transfer in the entrance region of a circular tube with fully-developed parabolic flow and external convective heating. <i>Heat and Mass Transfer</i> , 2010, 46, 563-570.	2.1	2
13979	Self-assembly of boehmite nanopetals to form 3D high surface area nanoarchitectures. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 317-321.	2.3	35
13980	Photoluminescence and field-emission properties of Cu-doped SnO ₂ nanobelts. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 865-869.	2.3	19
13981	On the efficiency of bile salt for stable suspension and isolation of single-walled carbon nanotubes—spectroscopic and microscopic investigations. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 505-510.	2.3	10
13982	Modified dispersion of functionalized multi-walled carbon nanotubes in acetonitrile. <i>Chemical Physics Letters</i> , 2010, 492, 258-262.	2.6	11
13983	Lattice parameter dependence of energy barriers of hydrogenation of ultra small carbon nanotubes. <i>Chemical Physics Letters</i> , 2010, 492, 263-265.	2.6	2
13984	UV-vis absorption spectroscopy of carbon nanotubes: Relationship between the π -electron plasmon and nanotube diameter. <i>Chemical Physics Letters</i> , 2010, 493, 19-23.	2.6	155
13985	Interaction of nucleic acid bases and Watson-Crick base pairs with fullerene: Computational study. <i>Chemical Physics Letters</i> , 2010, 493, 130-134.	2.6	17
13986	Synthesis and electrical properties of a single walled carbon nanotube—borosilicate glass composite. <i>Chemical Physics Letters</i> , 2010, 496, 321-325.	2.6	12
13987	Carbon nanotubes based transistors composed of single-walled carbon nanotubes mats as gas sensors: A review. <i>Comptes Rendus Physique</i> , 2010, 11, 389-396.	0.9	14
13988	Formation of a robust and stable film comprising ionic liquid and polyoxometalate on glassy carbon electrode modified with multiwalled carbon nanotubes: Toward sensitive and fast detection of hydrogen peroxide and iodate. <i>Electrochimica Acta</i> , 2010, 55, 4750-4757.	5.2	82
13989	Amperometric bienzyme glucose biosensor based on carbon nanotube modified electrode with electropolymerized poly(toluidine blue O) film. <i>Electrochimica Acta</i> , 2010, 55, 7055-7060.	5.2	37
13990	Enhancement of surface and bulk mechanical properties of polycarbonate through the incorporation of raw MWNTs—Using the twin-screw extruder mixed technique. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 809-814.	5.6	15

#	ARTICLE	IF	CITATIONS
13991	Mode transformation in single-walled carbon nanotubes. <i>International Journal of Mechanical Sciences</i> , 2010, 52, 663-671.	6.7	2
13992	Sorptive extraction techniques in sample preparation for organophosphorus pesticides in complex matrices. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 1216-1225.	2.3	50
13993	Single-walled carbon nanotubes as solid-phase microextraction adsorbent for the determination of low-level concentrations of butyltin compounds in seawater. <i>Analytica Chimica Acta</i> , 2010, 662, 90-96.	5.4	66
13994	Review: Carbon nanotube based electrochemical sensors for biomolecules. <i>Analytica Chimica Acta</i> , 2010, 662, 105-127.	5.4	890
13995	Methane preconcentration in a microtrap using multiwalled carbon nanotubes as sorbents. <i>Analytica Chimica Acta</i> , 2010, 677, 50-54.	5.4	17
13996	Solid-phase microextraction of phthalate esters from aqueous media by electrochemically deposited carbon nanotube/polypyrrole composite on a stainless steel fiber. <i>Analytica Chimica Acta</i> , 2010, 669, 32-38.	5.4	134
13997	A highly sensitive hydrogen peroxide amperometric sensor based on MnO ₂ -modified vertically aligned multiwalled carbon nanotubes. <i>Analytica Chimica Acta</i> , 2010, 674, 20-26.	5.4	146
13998	Enhancement of field emission properties of graphite flakes by producing carbon nanotubes on above using thermal chemical vapor deposition. <i>Applied Surface Science</i> , 2010, 256, 2409-2413.	6.1	2
13999	A novel continuous process for synthesis of carbon nanotubes using iron floating catalyst and MgO particles for CVD of methane in a fluidized bed reactor. <i>Applied Surface Science</i> , 2010, 256, 2769-2774.	6.1	30
14000	A promising biosensing-platform based on bismuth oxide polycrystalline-modified electrode: Characterization and its application in development of amperometric glucose sensor. <i>Bioelectrochemistry</i> , 2010, 79, 218-222.	4.6	45
14001	Synthesis and assembly of rare earth nanostructures directed by the principle of coordination chemistry in solution-based process. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1038-1053.	18.8	150
14002	The effect of milling time on the sintering kinetics of Si ₃ N ₄ based nanocomposites. <i>Ceramics International</i> , 2010, 36, 2247-2251.	4.8	10
14003	Influence of single-walled carbon nanotubes on the effective elastic constants of poly(ethylene Terephthalate)/carbon nanotube composites. <i>Composites Science and Technology</i> , 2010, 70, 1460-1468.	7.8	12
14004	Probing deformation of double-walled carbon nanotube (DWNT)/epoxy composites using FTIR and Raman techniques. <i>Composites Science and Technology</i> , 2010, 70, 1460-1468.	7.8	12
14005	The poly(urethane-ionic liquid)/multi-walled carbon nanotubes composites. <i>Composites Science and Technology</i> , 2010, 70, 1697-1703.	7.8	36
14006	A novel approach to fabricate high volume fraction nanocomposites with long aligned carbon nanotubes. <i>Composites Science and Technology</i> , 2010, 70, 1980-1985.	7.8	179
14007	Influence of screw configuration, residence time, and specific mechanical energy in twin-screw extrusion of polycaprolactone/multi-walled carbon nanotube composites. <i>Composites Science and Technology</i> , 2010, 70, 2045-2055.	7.8	213
14008	Mild hydrothermal preparation of a layered metal hydroxide salt with microtube/rod morphology. <i>Particuology</i> , 2010, 8, 192-197.	3.6	4

#	ARTICLE	IF	CITATIONS
14009	Axisymmetric vibration of single-walled carbon nanotubes in water. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2467-2474.	2.1	23
14010	First principle study of unzipped zinc oxide nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4695-4699.	2.1	19
14011	Structural and electronic properties of boron-doped double-walled silicon carbide nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 375, 174-179.	2.1	9
14012	Optimal synthesis of mesostructured hollow titania nanotubes templated on CaCO ₃ nanoparticles. Powder Technology, 2010, 198, 429-434.	4.2	9
14013	Molecular modeling of selectivity of single-walled carbon nanotube and MCM-41 for separation of methane and carbon dioxide. Separation and Purification Technology, 2010, 74, 280-287.	7.9	15
14014	Metalloporphyrins-modified carbon nanotubes networked films-based chemical sensors for enhanced gas sensitivity. Sensors and Actuators B: Chemical, 2010, 144, 387-394.	7.8	67
14015	Improving the sensitivity of carbon nanotube sensors by benzene functionalization. Sensors and Actuators B: Chemical, 2010, 147, 316-321.	7.8	26
14016	Flexible gas sensors with assembled carbon nanotube thin films for DMMP vapor detection. Sensors and Actuators B: Chemical, 2010, 150, 708-714.	7.8	103
14017	Application of plasma modified multi-wall carbon nanotubes to ethanol vapor detection. Sensors and Actuators B: Chemical, 2010, 150, 641-648.	7.8	31
14018	Single walled carbon nanotube network electrodes for dye solar cells. Solar Energy Materials and Solar Cells, 2010, 94, 1665-1672.	6.2	34
14019	Investigation of carbon nanotube field emitter geometry for increased current density. Solid-State Electronics, 2010, 54, 1543-1548.	1.4	8
14020	Core-shell Li(Ni _{1/3} Co _{1/3} Mn _{1/3})O ₂ /Li(Ni _{1/2} Mn _{1/2})O ₂ fibers: Synthesis, characterization and electrochemical properties. Solid State Ionics, 2010, 181, 678-683.	2.7	15
14021	Compressive strength of carbon nanotubes grown on carbon fiber reinforced epoxy matrix multi-scale hybrid composites. Surface and Coatings Technology, 2010, 205, 350-355.	4.8	54
14022	The Al-doped BN nanotubes: A DFT study. Computational and Theoretical Chemistry, 2010, 942, 83-87.	1.5	41
14023	Aluminum phosphide nanotubes: Density functional calculations of aluminum-27 and phosphorus-31 chemical shielding parameters. Computational and Theoretical Chemistry, 2010, 951, 69-71.	1.5	36
14024	First-principles study of hydrogen interaction with carbon-doped GaN nanotube. Computational and Theoretical Chemistry, 2010, 956, 77-82.	1.5	8
14025	Theoretical study of structure and non-linear optical properties of Zn(II) porphyrin adsorbed on carbon nanotubes. Computational and Theoretical Chemistry, 2010, 959, 92-100.	1.5	15
14026	Density functional theory study of the hydrogen chemisorption of single-walled carbon nanotubes with carbon ad-dimer defect. Computational and Theoretical Chemistry, 2010, 962, 62-67.	1.5	8

#	ARTICLE	IF	CITATIONS
14027	Interpretation of electron diffraction patterns from amorphous and fullerene-like carbon allotropes. <i>Ultramicroscopy</i> , 2010, 110, 815-819.	1.9	55
14028	Electrochemical detection of ethidium bromide by using pure single-walled carbon nanotube sheet as the electrode. <i>Journal of Electroanalytical Chemistry</i> , 2010, 638, 46-50.	3.8	12
14029	Nafion/multi-wall carbon nanotubes composite film coated glassy carbon electrode for sensitive determination of caffeine. <i>Journal of Electroanalytical Chemistry</i> , 2010, 639, 77-82.	3.8	109
14030	Kinetics and thermodynamics of adsorption of ionizable aromatic compounds from aqueous solutions by as-prepared and oxidized multiwalled carbon nanotubes. <i>Journal of Hazardous Materials</i> , 2010, 178, 505-516.	12.4	247
14031	Preparation of nanocomposite PbO ₂ -CuO/CNTs via microemulsion process and its catalysis on thermal decomposition of RDX. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 149-152.	4.0	36
14032	Fabrication and characterization of fullerene/porphyrin bulk heterojunction solar cells. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 551-555.	4.0	61
14033	Effect of graphite sizes and carbon nanotubes content on flowability of bulk-molding compound and formability of the composite bipolar plate for fuel cell. <i>Journal of Power Sources</i> , 2010, 195, 5645-5650.	7.8	21
14034	One-step synthesis of novel biacidic carbon via hydrothermal carbonization. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1721-1725.	2.9	56
14035	A new technique for dispersion of carbon nanotube in a metal melt. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5335-5340.	5.6	77
14036	Electrochemical investigation of biomolecular interactions between platinum derivatives and DNA by carbon nanotubes modified sensors. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 169, 169-173.	3.5	31
14037	Visible photoluminescence of MWCNT/CdS nanohybrid structure synthesized by a simple chemical process. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010, 167, 97-101.	3.5	12
14038	Simultaneous detection of dopamine, ascorbic acid, and uric acid at electrochemically pretreated carbon nanotube biosensors. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2010, 6, 52-57.	3.3	82
14039	One-dimensional II-VI nanostructures: Synthesis, properties and optoelectronic applications. <i>Nano Today</i> , 2010, 5, 313-336.	11.9	293
14040	The effect of ion sputtering of silicon substrates on the catalyst morphology and growth of carbon nanotube arrays. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010, 268, 568-572.	1.4	1
14041	Self-assembly behavior of carbon nanotubes modified by amphiphilic block copolymer. <i>Colloid and Polymer Science</i> , 2010, 288, 1677-1685.	2.1	7
14042	Electrochemistry of bilirubin oxidase at carbon nanotubes. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 249-254.	2.5	17
14043	Synthesis and electrochemistry of multiwalled carbon nanotube films directly attached on silica substrate. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1101-1107.	2.5	31
14044	Oxygen reduction on carbon nanomaterial-modified glassy carbon electrodes in alkaline solution. <i>Journal of Solid State Electrochemistry</i> , 2010, 14, 1269-1277.	2.5	74

#	ARTICLE	IF	CITATIONS
14045	Electrooxidation of dextromethorphan on a carbon nanotubeâ€“carbon microparticleâ€“ionic liquid composite: applied to determination in pharmaceutical forms. Journal of Solid State Electrochemistry, 2010, 14, 1515-1523.	2.5	29
14046	Electrochemical oxidation of salicylic acid at well-aligned multiwalled carbon nanotube electrode and its detection. Journal of Solid State Electrochemistry, 2010, 14, 1713-1718.	2.5	63
14047	Manipulation and patterning of carbon nanotubes utilizing optically induced dielectrophoretic forces. Microfluidics and Nanofluidics, 2010, 8, 609-617.	2.2	39
14048	Nanotubes-/nanowires-based, microfluidic-integrated transistors for detecting biomolecules. Microfluidics and Nanofluidics, 2010, 9, 1185-1214.	2.2	28
14049	On the truth of nanoscale for nanobeams based on nonlocal elastic stress field theory: equilibrium, governing equation and static deflection. Applied Mathematics and Mechanics (English Edition), 2010, 31, 37-54.	3.6	150
14050	Electrochemical properties and the determination of nicotine at a multi-walled carbon nanotubes modified glassy carbon electrode. Mikrochimica Acta, 2010, 168, 31-36.	5.0	45
14051	Fabrication of prussian blue/multi-walled carbon nanotubes modified electrode for electrochemical sensing of hydroxylamine. Mikrochimica Acta, 2010, 168, 129-134.	5.0	23
14052	Electrochemical sensor for procaine based on a glassy carbon electrode modified with poly-amidosulfonic acid and multi-walled carbon nanotubes. Mikrochimica Acta, 2010, 169, 153-159.	5.0	18
14053	Electrochemical behavior of adriamycin at an electrode modified with silver nanoparticles and multi-walled carbon nanotubes, and its application. Mikrochimica Acta, 2010, 169, 161-165.	5.0	27
14054	Electrochemical determination of nitrite via covalent immobilization of a single-walled carbon nanotubes and single stranded deoxyribonucleic acid nanocomposite on a glassy carbon electrode. Mikrochimica Acta, 2010, 171, 63-69.	5.0	27
14055	A sensitive amperometric hydrogen peroxide sensor based on thionin/EDTA/carbon nanotubesâ€“chitosan composite film modified electrode. Mikrochimica Acta, 2010, 171, 139-144.	5.0	19
14056	Computational NQR study of a boron nitride nanocone. Monatshefte FÃ¼r Chemie, 2010, 141, 305-307.	1.8	3
14057	A computational study of oxygen-termination of a (6,0) boron nitride nanotube. Monatshefte FÃ¼r Chemie, 2010, 141, 491-494.	1.8	12
14058	SiC-doped boron nitride nanotubes: computations of 11B and 14N quadrupole coupling constants. Monatshefte FÃ¼r Chemie, 2010, 141, 611-614.	1.8	6
14059	SiC nanotubes: DFT calculations of 29Si and 13C NMR properties. Monatshefte FÃ¼r Chemie, 2010, 141, 941-943.	1.8	6
14060	Atomistic-based continuum modeling of the nonlinear behavior of carbon nanotubes. Acta Mechanica, 2010, 212, 167-179.	2.1	63
14061	Single-walled carbon nanotube network/poly composite thin film for flow sensor. Microsystem Technologies, 2010, 16, 955-959.	2.0	13
14062	Torsional buckling of a DWCNT embedded on winkler and pasternak foundations using nonlocal theory. Journal of Mechanical Science and Technology, 2010, 24, 1289-1299.	1.5	50

#	ARTICLE	IF	CITATIONS
14063	An inscribed surface model for the elastic properties of armchair carbon nanotube. Journal of Mechanical Science and Technology, 2010, 24, 2233-2239.	1.5	5
14064	Mediator-free glucose/O ₂ biofuel cell based on a 3-dimensional glucose oxidase/SWNT/polypyrrole composite electrode. Biotechnology and Bioprocess Engineering, 2010, 15, 371-375.	2.6	29
14065	Realignment of slanted Fe nanorods on silicon substrates by a strong magnetic field. Nano Research, 2010, 3, 438-443.	10.4	8
14066	Improved non-covalent biofunctionalization of multi-walled carbon nanotubes using carbohydrate amphiphiles with a butterfly-like polyaromatic tail. Nano Research, 2010, 3, 764-778.	10.4	44
14067	In situ imaging of layer-by-layer sublimation of suspended graphene. Nano Research, 2010, 3, 43-50.	10.4	40
14068	Energy dissipation and transport in nanoscale devices. Nano Research, 2010, 3, 147-169.	10.4	952
14069	Effect of temperature on GaN nanowires fabricated via thermal heating of GaN powders. Metals and Materials International, 2010, 16, 87-91.	3.4	2
14070	Effects of temperature and catalysts on the synthesis of carbon nanotubes by chemical vapor deposition. Metals and Materials International, 2010, 16, 663-667.	3.4	16
14071	Formation of ZnO Nanotubes from Zn/ZnO cables by thermal evaporation. Metals and Materials International, 2010, 16, 799-805.	3.4	4
14072	Synthesis of carbon nanotubes on nickel-silica catalyst coated E-glass fiber/fabric and its nanocomposites. International Journal of Plastics Technology, 2010, 14, 65-79.	3.1	5
14073	Synthesis and characterization of MWCNT/poly(meta nitroaniline) conducting polymer composites. International Journal of Plastics Technology, 2010, 14, 142.	3.1	2
14074	Rapid growth of ZnO hexagonal tubes by direct microwave heating. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 80-85.	4.9	11
14075	Simple method to rapidly fabricate chain-like carbon nanotube films and its field emission properties. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 371-375.	4.9	5
14076	Hydrothermal synthesis and photoluminescence behavior of CeO ₂ nanowires with the aid of surfactant PVP. International Journal of Minerals, Metallurgy and Materials, 2010, 17, 470-474.	4.9	10
14077	PA6/MWNT nanocomposites fabricated using electrospun nanofibers containing MWNT. Macromolecular Research, 2010, 18, 162-169.	2.4	23
14078	Effect of molecular weight of polymer matrix on the dispersion of MWNTs in HDPE/MWNT and PC/MWNT composites. Macromolecular Research, 2010, 18, 512-518.	2.4	18
14079	Boron nitride nanofibers by the electrospinning technique. Macromolecular Research, 2010, 18, 551-557.	2.4	18
14080	Water-borne graphene-derived conductive SBR prepared by latex heterocoagulation. Macromolecular Research, 2010, 18, 558-565.	2.4	49

#	ARTICLE	IF	CITATIONS
14081	Morphology and properties of polyamide/multi-walled carbon nanotube composites. <i>Macromolecular Research</i> , 2010, 18, 660-667.	2.4	31
14082	Pharmacia and biological functionalities of nutrient broth dispersed multi-walled carbon nanotubes: A novel drug delivery system. <i>Science China Chemistry</i> , 2010, 53, 612-618.	8.2	3
14083	A Ga ₂ O ₃ -11Al ₂ O ₃ nanonet prepared by interfacial reaction growth approach and its application in fabricating GaN nanowires. <i>Science China Chemistry</i> , 2010, 53, 438-444.	8.2	2
14084	Chitosan-mediated synthesis of carbon nanotube-gold nanohybrids. <i>Science China Chemistry</i> , 2010, 53, 2015-2018.	8.2	12
14085	Carbon nanotubes for in vivo cancer nanotechnology. <i>Science China Chemistry</i> , 2010, 53, 2217-2225.	8.2	20
14086	Influence of Zn ion implantation on structures and field emission properties of multi-walled carbon nanotube arrays. <i>Science China Technological Sciences</i> , 2010, 53, 776-781.	4.0	9
14087	Enhancing the capacitances of electric double layer capacitors based on carbon nanotube electrodes by carbon dioxide activation and acid oxidization. <i>Science China Technological Sciences</i> , 2010, 53, 1234-1239.	4.0	9
14088	Progress of synthesizing methods and properties of fluorinated carbon nanotubes. <i>Science China Technological Sciences</i> , 2010, 53, 1225-1233.	4.0	13
14089	Is a nanorod (or nanotube) with a lower Young's modulus stiffer? Is not Young's modulus a stiffness indicator?. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 712-724.	5.1	54
14090	Carbon nanotube transistors with graphene oxide films as gate dielectrics. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 828-833.	5.1	23
14091	A first-principles study of the size-dependent electronic properties of SiC nanotubes. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1333-1338.	5.1	4
14092	Electronic structure and magnetism of Fe-doped SiC nanotubes. <i>Science China: Physics, Mechanics and Astronomy</i> , 2010, 53, 1582-1589.	5.1	23
14093	Improved electrical resistance-pressure strain sensitivity of carbon nanotube network/polydimethylsiloxane composite using filtration and transfer process. <i>Science Bulletin</i> , 2010, 55, 326-330.	1.7	8
14094	Fabrication and characterization of patterned carbon nanotube flow sensor cell. <i>Science Bulletin</i> , 2010, 55, 2579-2583.	1.7	3
14095	Direct coordination of metal ions to cucurbit[n]urils. <i>Science Bulletin</i> , 2010, 55, 3633-3640.	1.7	35
14096	Electron transport properties of boron-doped capped-carbon-nanotube-based molecular junctions. <i>Science Bulletin</i> , 2010, 55, 4104-4107.	1.7	6
14097	Derivated titanate nanotubes and their hydrogen storage properties. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2010, 5, 71-75.	0.4	2
14098	Synthesis of SWNTs from charcoal by arc-discharging. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 194-196.	1.0	7

#	ARTICLE	IF	CITATIONS
14099	Multidimensional potential of boron-containing molecules in functional materials. Journal of Chemical Sciences, 2010, 122, 7-18.	1.5	14
14100	Monitoring structural defects and crystallinity of carbon nanotubes in thin films. Pramana - Journal of Physics, 2010, 74, 447-455.	1.8	7
14101	One-dimensional nanostructures for electronic and optoelectronic devices. Frontiers of Optoelectronics in China, 2010, 3, 125-138.	0.2	26
14102	Structures and magnetic properties of nanocomposite CoFe ₂ O ₄ -BaTiO ₃ fibers by organic gel-thermal decomposition process. Central South University, 2010, 17, 1172-1176.	0.5	5
14103	Fatigue and fracture toughness of epoxy nanocomposites. Jom, 2010, 62, 50-57.	1.9	45
14104	Nanostructured metal composites reinforced with fullerenes. Jom, 2010, 62, 63-68.	1.9	29
14105	Fabrication and applications of metal-oxide nano-tubes. Jom, 2010, 62, 44-49.	1.9	25
14106	MBE-Grown II-VI and Related Nanostructures. Journal of Electronic Materials, 2010, 39, 882-892.	2.2	1
14107	Controlled Growth of Carbon Spheres Through the Mg-Reduction Route. Nanoscale Research Letters, 2010, 5, 20-24.	5.7	16
14108	Synthesis of High Coercivity Core-Shell Nanorods Based on Nickel and Cobalt and Their Magnetic Properties. Nanoscale Research Letters, 2010, 5, 164-8.	5.7	39
14109	Cell Creeping and Controlled Migration by Magnetic Carbon Nanotubes. Nanoscale Research Letters, 2010, 5, 257-62.	5.7	20
14110	Temperature Sensitive Nanocapsule of Complex Structural Form for Methane Storage. Nanoscale Research Letters, 2010, 5, 205-210.	5.7	8
14111	Preparation of Aligned Ultra-long and Diameter-controlled Silicon Oxide Nanotubes by Plasma Enhanced Chemical Vapor Deposition Using Electrospun PVP Nanofiber Template. Nanoscale Research Letters, 2010, 5, 279-85.	5.7	22
14112	Carbon Nanotubes for Supercapacitor. Nanoscale Research Letters, 2010, 5, 654-668.	5.7	650
14113	Stable Field Emitters for a Miniature X-ray Tube Using Carbon Nanotube Drop Drying on a Flat Metal Tip. Nanoscale Research Letters, 2010, 5, 720-724.	5.7	27
14114	Thermal Properties of Carbon Nanotube-Copper Composites for Thermal Management Applications. Nanoscale Research Letters, 2010, 5, 868-874.	5.7	133
14115	Synthesis and Enhanced Field-Emission of Thin-Walled, Open-Ended, and Well-Aligned N-Doped Carbon Nanotubes. Nanoscale Research Letters, 2010, 5, 941-948.	5.7	27
14116	Effect of Temperature Gradient Direction in the Catalyst Nanoparticle on CNTs Growth Mode. Nanoscale Research Letters, 2010, 5, 1393-1402.	5.7	8

#	ARTICLE	IF	CITATIONS
14117	Fabrication and Properties of Ag-nanoparticles Embedded Amorphous Carbon Nanowire/CNT Heterostructures. <i>Nanoscale Research Letters</i> , 2010, 5, 1449-1455.	5.7	17
14118	Effect of MWCNTs on Gastric Emptying in Mice. <i>Nanoscale Research Letters</i> , 2010, 6, 63.	5.7	2
14119	Diameters of single-walled carbon nanotubes (SWCNTs) and related nanochemistry and nanobiology. <i>Frontiers of Materials Science in China</i> , 2010, 4, 17-28.	0.5	22
14120	Zirconia-MWCNT nanocomposites for biomedical applications obtained by colloidal processing. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 1445-1451.	3.6	26
14121	Development of R. I. Soloukhin's scientific line of investigations at the heat and mass transfer institute. <i>Journal of Engineering Physics and Thermophysics</i> , 2010, 83, 1098-1117.	0.6	1
14122	Silicon nanotubes with distinct bond lengths. <i>Journal of Mathematical Chemistry</i> , 2010, 47, 569-589.	1.5	8
14123	Diode Effect in a Superconductor-Carbon Nanotube-Ferromagnet Structure. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 41-43.	1.8	0
14124	A study on the properties of PC/LCP/MWCNT with and without compatibilizers. <i>Journal of Polymer Research</i> , 2010, 17, 265-272.	2.4	16
14125	Preparation and characterization of multiwalled carbon nanotubes/polyacrylonitrile nanofibers. <i>Journal of Polymer Research</i> , 2010, 17, 535-540.	2.4	41
14126	Large-scale Synthesis of Nitrogen-doped Carbon Nanotubes by Chemical Vapor Deposition Using a Co-based Catalyst from Layered Double Hydroxides. <i>Catalysis Letters</i> , 2010, 135, 312-320.	2.6	15
14127	MWCNT-Supported Ni-Mo-K Catalyst for Higher Alcohol Synthesis from Syngas. <i>Catalysis Letters</i> , 2010, 137, 171-179.	2.6	35
14128	Functionalization of multi-walled carbon nanotube for electrocatalytic oxidation of nitric oxide. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 593-599.	2.9	7
14129	Electrochemical determination of ascorbic acid at the surface of a graphite electrode modified with multi-walled carbon nanotubes/tetradecyltrimethylammonium bromide. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 841-847.	2.9	11
14130	Modified glassy carbon electrode with Nafion/MWNTs as a sensitive voltammetric sensor for the determination of paeonol in pharmaceutical and biological samples. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1371-1378.	2.9	24
14131	Electrochemical determination of thiamazole at a multi-wall carbon nanotube modified glassy carbon electrode. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1449-1454.	2.9	20
14132	Creation of unique supramolecular nanoarchitectures utilizing natural polysaccharide as a one-dimensional host. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2010, 68, 25-47.	1.6	14
14133	Assessment of interface damage during the deformation of carbon nanotube composites. <i>Journal of Materials Science</i> , 2010, 45, 1425-1431.	3.7	27
14134	Calibration of reaction parameters for the improvement of thermal stability and crystalline quality of multi-walled carbon nanotubes. <i>Journal of Materials Science</i> , 2010, 45, 783-792.	3.7	16

#	ARTICLE	IF	CITATIONS
14135	Labeling the defects of carbon nanotubes with thiol groups. Journal of Materials Science, 2010, 45, 1039-1045.	3.7	14
14136	On the microstructure of single wall carbon nanotubes reinforced ceramic matrix composites. Journal of Materials Science, 2010, 45, 2258-2263.	3.7	13
14137	Synthesis of carbon nanospheres from carbon-based network polymers. Journal of Materials Science, 2010, 45, 2619-2624.	3.7	6
14138	Poly(anthranilic acid)/multi-walled carbon nanotube composites: spectral, morphological, and electrical properties. Journal of Materials Science, 2010, 45, 3858-3865.	3.7	23
14139	Green and low-cost materials as carbon source for the synthesis of hierarchical porous carbons. Journal of Materials Science, 2010, 45, 4439-4443.	3.7	3
14140	Photochemical modification of single-walled carbon nanotubes using HPHMP photoinitiator for enhanced organic solvent dispersion. Journal of Materials Science, 2010, 45, 5591-5597.	3.7	9
14141	Synergy in carbon black-filled natural rubber nanocomposites. Part I: Mechanical, dynamic mechanical properties, and morphology. Journal of Materials Science, 2010, 45, 6126-6138.	3.7	69
14142	The effects of synthesis procedures on the structure and morphology of multiwalled carbon nanotubes (MWNTs)/titania (TiO ₂) nanocomposites prepared by hydrothermal method. Journal of Materials Science, 2010, 45, 6200-6205.	3.7	13
14143	In situ strain monitoring of fiber-reinforced polymers using embedded piezoresistive nanocomposites. Journal of Materials Science, 2010, 45, 6786-6798.	3.7	78
14144	Properties of surface treated transparent conducting single walled carbon nanotube films. Journal of Materials Science: Materials in Electronics, 2010, 21, 72-77.	2.2	15
14145	Carbon helixes produced by hot filament assisted chemical vapor deposition. Journal of Materials Science: Materials in Electronics, 2010, 21, 509-513.	2.2	3
14146	Sorption of strontium ions from aqueous solutions by oxidized multiwall carbon nanotubes. Journal of Radioanalytical and Nuclear Chemistry, 2010, 285, 703-710.	1.5	50
14147	Effects of strontium silicate on structure and magnetic properties of electrospun strontium ferrite nanofibers. Journal of Sol-Gel Science and Technology, 2010, 56, 39-46.	2.4	21
14148	Synthesis of vanadium oxide nanotubes via an ultrasonic method. Journal of Sol-Gel Science and Technology, 2010, 56, 327-332.	2.4	11
14149	Thermal degradation kinetics of in situ prepared PET nanocomposites with acid-treated multi-walled carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2010, 100, 1063-1071.	3.6	26
14150	Thermal stability of bidendate nitrogen ligands tethered to multiwall carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2010, 102, 505-512.	3.6	2
14151	Thermal stability of carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2010, 102, 785-791.	3.6	41
14152	Comparisons of MWCNTs and acidified process by HNO ₃ on thermal stability by DSC and TG-FTIR. Journal of Thermal Analysis and Calorimetry, 2010, 102, 641-646.	3.6	23

#	ARTICLE	IF	CITATIONS
14153	A shear lag model of Piezoelectric composite reinforced with carbon nanotubes-coated Piezoelectric fibers. International Journal of Mechanics and Materials in Design, 2010, 6, 147-155.	3.0	11
14154	Evaluation of cell viability, DNA damage, and cell death in normal human dermal fibroblast cells induced by functionalized multiwalled carbon nanotube. Molecular and Cellular Biochemistry, 2010, 338, 225-232.	3.1	71
14155	The effect of introduction of carbon nanotubes on the physicommechanical properties of polyvinylacetate. Mechanics of Composite Materials, 2010, 46, 237-250.	1.4	16
14156	Synthesis of coiled carbon nanotubes on Co/Al ₂ O ₃ catalysts in a fluidised-bed. Journal of Nanoparticle Research, 2010, 12, 645-653.	1.9	11
14157	The effect of Fe and Ni catalysts on the growth of multiwalled carbon nanotubes using chemical vapor deposition. Journal of Nanoparticle Research, 2010, 12, 457-465.	1.9	55
14158	Synthesis of boron nitride nanotubes by an oxide-assisted chemical method. Journal of Nanoparticle Research, 2010, 12, 2405-2413.	1.9	14
14159	Generation and size classification of single-walled carbon nanotube aerosol using atmospheric pressure pulsed laser ablation (AP-PLA). Journal of Nanoparticle Research, 2010, 12, 2747-2755.	1.9	10
14160	Electronic properties of a silicon carbide nanotube under uniaxial tensile strain: a density function theory study. Journal of Nanoparticle Research, 2010, 12, 2919-2928.	1.9	12
14161	MD investigation of the collective carbon atom behavior of a (17, 0) zigzag single wall carbon nanotube under axial tensile strain. Journal of Nanoparticle Research, 2010, 12, 2979-2987.	1.9	1
14162	Comparison of the behaviour of manufactured and other airborne nanoparticles and the consequences for prioritising research and regulation activities. Journal of Nanoparticle Research, 2010, 12, 1523-1530.	1.9	58
14163	Remarkable diversity of carbon—carbon bonds: structures and properties of fullerenes, carbon nanotubes, and graphene. Structural Chemistry, 2010, 21, 1155-1169.	2.0	136
14164	Structural parameters of carbon nanotubes obtained by the chemical vapor decomposition of ethylene onto nickel nanoparticles deposited on basic supports. Theoretical and Experimental Chemistry, 2010, 46, 296-301.	0.8	6
14165	Influence of alkali-treatment temperature on the one-dimensional structure of nanosized TiO ₂ . Research on Chemical Intermediates, 2010, 36, 613-619.	2.7	8
14166	Using patent analyses to monitor the technological trends in an emerging field of technology: a case of carbon nanotube field emission display. Scientometrics, 2010, 82, 5-19.	3.0	128
14167	In situ carbon nanotube synthesis by the reduction of NiO/Al ₂ O ₃ catalyst in methane. Journal of Natural Gas Chemistry, 2010, 19, 617-621.	1.8	0
14168	Electromechanical property characterisation of three-dimensional helical nanobelts by in situ gold nanoink soldering. Micro and Nano Letters, 2010, 5, 309.	1.3	0
14169	High volume fraction and uniform dispersion of carbon nanotubes in aluminium powders. Micro and Nano Letters, 2010, 5, 379.	1.3	12
14170	Numerical Study of Lightly Doped Drain and Source Carbon Nanotube Field Effect Transistors. IEEE Transactions on Electron Devices, 2010, 57, 765-771.	3.0	60

#	ARTICLE	IF	CITATIONS
14171	The Future of Integrated Circuits: A Survey of Nanoelectronics. Proceedings of the IEEE, 2010, 98, 11-38.	21.3	103
14172	Carbon Nanotubes for VLSI: Interconnect and Transistor Applications. Proceedings of the IEEE, 2010, 98, 2015-2031.	21.3	93
14173	Micro- and Nanomechatronics. IEEE Industrial Electronics Magazine, 2010, 4, 13-22.	2.6	25
14174	Controlled synthesis and structure characterization of nanostructured MnWO ₄ . Materials Characterization, 2010, 61, 85-89.	4.4	19
14175	Oxidation and reduction of multiwalled carbon nanotubes " preparation and characterization. Materials Characterization, 2010, 61, 185-191.	4.4	220
14176	Growth of SiO ₂ hierarchical nanostructure on SiC nanowires using thermal decomposition of ethanol and titanium tetrachloride and its FTIR and PL property. Materials Chemistry and Physics, 2010, 119, 309-314.	4.0	16
14177	Mechanical and electronic properties of endofullerene Ar@C ₆₀ and Kr@C ₆₀ studied via structure distortions. Materials Chemistry and Physics, 2010, 119, 406-417.	4.0	7
14178	Synthesis of Nb ₂ O ₅ nanosheets and its electrochemical measurements. Materials Chemistry and Physics, 2010, 120, 6-9.	4.0	35
14179	Controlled morphology of conducting polymers: Formation of nanorods and microspheres of polyindole. Materials Chemistry and Physics, 2010, 120, 625-630.	4.0	83
14180	Facile synthesis of boron nitride coating on carbon nanotubes. Materials Chemistry and Physics, 2010, 122, 129-132.	4.0	19
14181	Synthesis of carbon nanotubes in graphite microchannels in gas-flow and submerged-in-liquid reactors. Materials Chemistry and Physics, 2010, 122, 474-479.	4.0	8
14182	Preparation and catalytic properties of tungsten oxides with different morphologies. Materials Chemistry and Physics, 2010, 123, 225-230.	4.0	18
14183	Synthesis and characterization of single-crystal Sb ₂ S ₃ nanotubes via an EDTA-assisted hydrothermal route. Materials Chemistry and Physics, 2010, 123, 236-240.	4.0	31
14184	HCl-assisted pyrolysis of PdCl ₂ to immobilize palladium nanoparticles on multi-walled carbon nanotubes. Materials Chemistry and Physics, 2010, 123, 498-501.	4.0	5
14185	Fabrication and growth mechanism of carbon nanospheres by chemical vapor deposition. Materials Chemistry and Physics, 2010, 123, 351-355.	4.0	11
14186	Investigation of the cytotoxicity of carbon nanotubes using hydroxyapatite as a nano-matrix towards mouse fibroblast cells. Materials Chemistry and Physics, 2010, 124, 21-24.	4.0	9
14187	Low temperature synthesis of high quality carbon nanospheres through the chemical reactions between calcium carbide and oxalic acid. Materials Chemistry and Physics, 2010, 124, 482-487.	4.0	11
14188	Synthesis of carbon-encapsulated iron carbide/iron nanoparticles from phenolic-formaldehyde resin and ferric nitrate. Materials Chemistry and Physics, 2010, 124, 861-864.	4.0	20

#	ARTICLE	IF	CITATIONS
14189	Microwave-assisted preparation of $\text{Ca}_6\text{Si}_6\text{O}_{17}(\text{OH})_2$ and CaSiO_3 nanobelts. Materials Research Bulletin, 2010, 45, 509-512.	5.2	25
14190	Optimization of the chemical vapor deposition process for fabrication of carbon nanotube/Al composite powders. Materials Research Bulletin, 2010, 45, 1182-1188.	5.2	3
14191	Thermal-treatment effect on the photoluminescence and gas-sensing properties of tungsten oxide nanowires. Materials Research Bulletin, 2010, 45, 1075-1079.	5.2	24
14192	Single-step synthesis of MWCNT/ZnO nanocomposite using co-chemical vapor deposition method. Materials Letters, 2010, 64, 80-82.	2.6	21
14193	A novel non-catalytic approach for fabrication of bamboo-like carbon nanotubes. Materials Letters, 2010, 64, 86-88.	2.6	7
14194	Synthesis and microstructure of Fe_3C encapsulated inside chain-like carbon nanocapsules. Materials Letters, 2010, 64, 680-683.	2.6	11
14195	A soft chemical synthesis of TiO_2 nanobelts. Materials Letters, 2010, 64, 912-914.	2.6	9
14196	Fabrication of novel sol-gel silica coatings reinforced with multi-walled carbon nanotubes. Materials Letters, 2010, 64, 924-927.	2.6	10
14197	One-step synthesis of novel sulfuric acid groups' functionalized carbon via hydrothermal carbonization. Materials Letters, 2010, 64, 953-955.	2.6	23
14198	A facile method to coat mesoporous silica layer on carbon nanotubes by anionic surfactant. Materials Letters, 2010, 64, 1383-1386.	2.6	27
14199	Synthesis and electrochemical characterization of carbon spheres as anode material for lithium-ion battery. Materials Letters, 2010, 64, 1465-1467.	2.6	34
14200	Silica coated titania nanotubes for drug delivery system. Materials Letters, 2010, 64, 1664-1667.	2.6	17
14201	Structural, optical and electrical characterization of selenium sulphide nanostructured thin film. Materials Letters, 2010, 64, 1929-1932.	2.6	6
14202	Structure analyses and growth mechanism of ZnO nanoladders. Materials Letters, 2010, 64, 1925-1928.	2.6	3
14203	Scalable preparation of carbon nanotubes by thermal decomposition of phenol with high carbon utilizing rate. Materials Letters, 2010, 64, 2145-2147.	2.6	10
14204	In vitro evaluation of cytotoxicity of engineered carbon nanotubes in selected human cell lines. Science of the Total Environment, 2010, 408, 1812-1817.	8.0	68
14205	Tribological behavior of carbon nanofiber-zirconia composite. Scripta Materialia, 2010, 63, 254-257.	5.2	34
14206	Fabrication of freestanding gold nanotubes. Scripta Materialia, 2010, 63, 933-936.	5.2	11

#	ARTICLE	IF	CITATIONS
14207	Effects of magnetic field and geometrical size on the interband light absorption in a quantum pseudodot system. <i>Solid State Sciences</i> , 2010, 12, 1253-1256.	3.2	73
14208	Electronic structure of sulfur terminated zigzag boron nitride nanotube: A computational study. <i>Solid State Sciences</i> , 2010, 12, 1337-1340.	3.2	7
14209	Different stabilities of multiwalled carbon nanotubes in fresh surface water samples. <i>Environmental Pollution</i> , 2010, 158, 1270-1274.	7.5	73
14210	Functionalized carbon nanotubes for potential medicinal applications. <i>Drug Discovery Today</i> , 2010, 15, 428-435.	6.4	338
14211	A review of the characteristics of nanoparticles in the urban atmosphere and the prospects for developing regulatory controls. <i>Atmospheric Environment</i> , 2010, 44, 5035-5052.	4.1	284
14212	Carbon nanotubes in cancer diagnosis and therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2010, 1806, 29-35.	7.4	181
14213	Appreciating the role of carbon nanotube composites in preventing biofouling and promoting biofilms on material surfaces in environmental engineering: A review. <i>Biotechnology Advances</i> , 2010, 28, 802-816.	11.7	154
14214	Sinter and hot isostatic pressing (HIP) of multi-wall carbon nanotubes (MWCNTs) reinforced ZTA nanocomposite: Microstructure and fracture toughness. <i>International Journal of Refractory Metals and Hard Materials</i> , 2010, 28, 399-406.	3.8	51
14215	Impact of nitrogen doping of carbon nanospheres on the nickel-catalyzed hydrogenation of butyronitrile. <i>Journal of Catalysis</i> , 2010, 269, 242-251.	6.2	67
14216	Coarse-grained molecular dynamics modeling of DNA-carbon nanotube complexes. <i>International Journal for Numerical Methods in Engineering</i> , 2010, 83, 968-985.	2.8	18
14217	The influence of natural organic matter on the toxicity of multiwalled carbon nanotubes. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 2511-2518.	4.3	100
14218	Environmentally Friendly Fabrication of Surface-Modified MWNT-Supported Pt-Nanocomposites for PEMFCs. <i>Fuel Cells</i> , 2010, 10, 221-226.	2.4	5
14219	High-yield synthesis of multi-walled carbon nanotube by hydrothermal method. <i>Canadian Journal of Chemical Engineering</i> , 2010, 88, 283-286.	1.7	5
14220	Production of Carbon Nanotubes over Pre-reduced LaCoO_3 by Using Fluidized-bed Catalytic Reactor. <i>Chinese Journal of Chemistry</i> , 2001, 19, 983-986.	4.9	18
14221	Synthesis of Nanorods of Crystalline Co_3O_4 Using Carbon Nanotubes as Templates. <i>Chinese Journal of Chemistry</i> , 2002, 20, 610-613.	4.9	6
14222	Electrochemical Studies of Cytochrome <i>c</i> on Electrodes Modified by Single-Wall Carbon Nanotubes. <i>Chinese Journal of Chemistry</i> , 2003, 21, 436-441.	4.9	3
14223	Fabrication, Characterization and Electrocatalysis of an Ordered Carbon Nanotube Electrode. <i>Chinese Journal of Chemistry</i> , 2003, 21, 665-669.	4.9	5
14224	Direct Electron Transfer between Glucose Oxidase and Multi-walled Carbon Nanotubes. <i>Chinese Journal of Chemistry</i> , 2003, 21, 1088-1091.	4.9	14

#	ARTICLE	IF	CITATIONS
14225	Direct Electrochemical Oxidation of NADPH at a Low Potential on the Carbon Nanotube Modified Glassy Carbon Electrode. Chinese Journal of Chemistry, 2004, 22, 167-171.	4.9	26
14226	Green and Highly Efficient Functionalization of Carbon Nanotubes by Combination of 1,3-Dipolar Cycloaddition and Curtius Rearrangement Reactions. Chinese Journal of Chemistry, 2010, 28, 1223-1228.	4.9	2
14227	Carbon Nanotubes with Phthalocyanine-Decorated Surface Produced by NH ₃ -Assisted Microwave Reaction and Their Catalytic Performance in Li/SOCl ₂ Battery. Chinese Journal of Chemistry, 2010, 28, 2059-2066.	4.9	11
14228	Alignment of Carbon Nanotubes in Thermotropic and Lyotropic Liquid Crystals. ChemPhysChem, 2010, 11, 333-340.	2.1	68
14229	Theoretical Investigation of the Interaction between Carbon Monoxide and Carbon Nanotubes with Single-Vacancy Defects. ChemPhysChem, 2010, 11, 3505-3510.	2.1	13
14230	Calcium phosphate-based composites as injectable bone substitute materials. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 94B, 273-286.	3.4	91
14231	Canonical Monte Carlo simulation of adsorption of O ₂ and N ₂ mixture on single walled carbon nanotube at different temperatures and pressures. Journal of Computational Chemistry, 2010, 31, 1443-1449.	3.3	29
14232	Synthesis and properties of Fe ₂ O ₃ nanorods. Crystal Research and Technology, 2010, 45, 965-968.	1.3	55
14233	Porous Carbohydrate-Based Materials via Hard Templating. ChemSusChem, 2010, 3, 188-194.	6.8	80
14234	Photocatalytic Oxidation of Phenolic Compounds by Using a Carbon Nanotube-Titanium Dioxide Composite Catalyst. ChemSusChem, 2010, 3, 609-618.	6.8	63
14235	Microporous Silica Hollow Microspheres and Hollow Worm-Like Materials: A Simple Method for Their Synthesis and Their Application in Controlled Release. European Journal of Inorganic Chemistry, 2010, 2010, 975-982.	2.0	9
14236	Inorganic Analogues of Graphene. European Journal of Inorganic Chemistry, 2010, 2010, 4244-4250.	2.0	175
14237	A Dynamically Entangled Coordination Polymer: Synthesis, Structure, Luminescence, Single-Crystal to Single-Crystal Reversible Guest Inclusion and Structural Transformation. European Journal of Inorganic Chemistry, 2010, 2010, 3829-3834.	2.0	13
14238	One- and Two-Dimensional Inorganic Crystals inside Inorganic Nanotubes. European Journal of Inorganic Chemistry, 2010, 2010, 4233-4243.	2.0	14
14239	A Novel Diameter-Selective Functionalization of SWCNTs with Lithium Alkynylides. European Journal of Organic Chemistry, 2010, 2010, 1494-1501.	2.4	34
14240	Fabrication of a New Electrochemiluminescent Sensing Interface Based on Zinc Oxide Nanorod. Electroanalysis, 2010, 22, 320-324.	2.9	3
14241	Single-Walled Carbon Nanotubes Modified Gold Electrodes as an Impedimetric DNA Sensor. Electroanalysis, 2010, 22, 399-405.	2.9	12
14242	Amperometric Response of Hydrogen Peroxide at Carbon Nanotubes Paste Electrodes Modified with an Electrogenerated Poly(Fe(III)-5-amino-phenantroline). Analytical Applications for Glucose Biosensing. Electroanalysis, 2010, 22, 128-134.	2.9	9

#	ARTICLE	IF	CITATIONS
14243	Direct Electrochemistry of Glucose Oxidase on Nail-like Carbon and Its Biosensing for Glucose. <i>Electroanalysis</i> , 2010, 22, 701-706.	2.9	11
14244	Understanding the Physicoelectrochemical Properties of Carbon Nanotubes: Current State of the Art. <i>Electroanalysis</i> , 2010, 22, 7-19.	2.9	78
14245	Synthesis of MnO ₂ /MWNTs Nanocomposites Using a Sonochemical Method and Application for Hydrazine Detection. <i>Electroanalysis</i> , 2010, 22, 1123-1129.	2.9	25
14246	High-Sensitivity Determination of Lead(II) and Cadmium(II) Based on the CNTs/PSS/Bi Composite Film Electrode. <i>Electroanalysis</i> , 2010, 22, 1682-1687.	2.9	53
14247	Analytical Potentialities of Carbon Nanotube/Silicone Rubber Composite Electrodes: Determination of Propranolol. <i>Electroanalysis</i> , 2010, 22, 2776-2783.	2.9	28
14248	A Voltammetric Sensor Based on Modified Multiwall Carbon Nanotubes for Cysteamine Determination in the Presence of Tryptophan Using <i>p</i> -Aminophenol as a Mediator. <i>Electroanalysis</i> , 2010, 22, 2558-2568.	2.9	85
14249	Quantification of Quercetin Using Glassy Carbon Electrodes Modified with Multiwalled Carbon Nanotubes Dispersed in Polyethylenimine and Polyacrylic Acid. <i>Electroanalysis</i> , 2010, 22, 2650-2657.	2.9	42
14250	High-Performance Amperometric Sensors Using Catalytic Platinum Nanoparticles-Thionine-Multiwalled Carbon Nanotubes Nanocomposite. <i>Electroanalysis</i> , 2010, 22, 2856-2861.	2.9	13
14251	An Amperometric Immunosensor for IgG Based on Conducting Polymer and Carbon Nanotube-Linked Hydrazine Label. <i>Electroanalysis</i> , 2010, 22, 2908-2914.	2.9	15
14252	Application of carbon nanotubes for in-capillary incubations with cytochrome P450 enzymes. <i>Electrophoresis</i> , 2010, 31, 3867-3873.	2.4	14
14253	Smart Microcapsules Encapsulating Reconfigurable Carbon Nanotube Cores. <i>Advanced Functional Materials</i> , 2010, 20, 820-825.	14.9	30
14254	A Reusable Interface Constructed by 3-Aminophenylboronic Acid-Functionalized Multiwalled Carbon Nanotubes for Cell Capture, Release, and Cytosensing. <i>Advanced Functional Materials</i> , 2010, 20, 992-999.	14.9	83
14255	Preparation of High-Performance Conductive Polymer Fibers through Morphological Control of Networks Formed by Nanofillers. <i>Advanced Functional Materials</i> , 2010, 20, 1424-1432.	14.9	117
14256	The Critical Role of the Underlayer Material and Thickness in Growing Vertically Aligned Carbon Nanotubes and Nanofibers on Metallic Substrates by Chemical Vapor Deposition. <i>Advanced Functional Materials</i> , 2010, 20, 1306-1312.	14.9	43
14257	Boosting the Non Linear Optical Response of Carbon Nanotube Saturable Absorbers for Broadband Mode-Locking of Bulk Lasers. <i>Advanced Functional Materials</i> , 2010, 20, 1937-1943.	14.9	140
14258	Carbon Nanotubes on Polymeric Microcapsules: Free-Standing Structures and Point-Wise Laser Openings. <i>Advanced Functional Materials</i> , 2010, 20, 3136-3142.	14.9	66
14259	Asymmetric Diamino Functionalization of Nanotubes Assisted by BOC Protection and Their Epoxy Nanocomposites. <i>Advanced Functional Materials</i> , 2010, 20, 3039-3044.	14.9	65
14260	Current Trends in Shrinking the Channel Length of Organic Transistors Down to the Nanoscale. <i>Advanced Materials</i> , 2010, 22, 20-32.	21.0	83

#	ARTICLE	IF	CITATIONS
14261	Engineering Strong Intergraphene Shear Resistance in Multi-walled Carbon Nanotubes and Dramatic Tensile Improvements. <i>Advanced Materials</i> , 2010, 22, 607-610.	21.0	74
14262	Engineering Carbon Materials from the Hydrothermal Carbonization Process of Biomass. <i>Advanced Materials</i> , 2010, 22, 813-828.	21.0	1,492
14263	Flexible UV-Ozone-Modified Carbon Nanotube Electrodes for Neuronal Recording. <i>Advanced Materials</i> , 2010, 22, 2177-2181.	21.0	34
14264	Vertically Aligned Single-Walled Carbon Nanotubes by Chemical Assembly â€” Methodology, Properties, and Applications. <i>Advanced Materials</i> , 2010, 22, 1430-1449.	21.0	84
14265	Controlled Synthesis of One-Dimensional Inorganic Nanostructures Using Pre-Existing One-Dimensional Nanostructures as Templates. <i>Advanced Materials</i> , 2010, 22, 3925-3937.	21.0	222
14266	Divingâ€”Surfacing Cycle Within a Stimulus-Responsive Smart Device Towards Developing Functionally Cooperating Systems. <i>Advanced Materials</i> , 2010, 22, 5125-5128.	21.0	49
14267	Towards Supramolecular Engineering of Functional Nanomaterials: Pre-Programming Multi-Component 2D Self-Assembly at Solid-Liquid Interfaces. <i>Advanced Materials</i> , 2010, 22, 3506-3520.	21.0	276
14268	Formation of Self-Organized Superlattice Nanotube Arrays â€” Embedding Heterojunctions into Nanotube Walls. <i>Advanced Materials</i> , 2010, 22, 4770-4774.	21.0	24
14269	Formation and catalytic performance of supported ni nanoparticles via self-reduction of hybrid NiAl-LDH/C composites. <i>AIChE Journal</i> , 2010, 56, 2934-2945.	3.6	26
14270	An Introduction to Nanomaterials. , 0, , 531-558.		0
14281	Solid-State Materials and Methods for Hydrogen Storage: A Critical Review. <i>Chemical Engineering and Technology</i> , 2010, 33, 213-226.	1.5	278
14282	Carbon Nanotube and Gold-Based Materials: A Symbiosis. <i>Chemistry - A European Journal</i> , 2010, 16, 1728-1743.	3.3	59
14283	Computationally Designed Families of Flat, Tubular, and Cage Molecules Assembled with â€œStarbenzeneâ€• Building Blocks through Hydrogen-Bridge Bonds. <i>Chemistry - A European Journal</i> , 2010, 16, 1271-1280.	3.3	38
14284	Binary Au/MWCNT and Ternary Au/ZnO/MWCNT Nanocomposites: Synthesis, Characterisation and Catalytic Performance. <i>Chemistry - A European Journal</i> , 2010, 16, 2300-2308.	3.3	33
14285	Cluster-Based Self-Assembly Route toward MoO ₃ Single-Walled Nanotubes. <i>Chemistry - A European Journal</i> , 2010, 16, 1889-1896.	3.3	40
14286	Label-Free Colorimetric Detection of Single Nucleotide Polymorphism by Using Single-Walled Carbon Nanotube Intrinsic Peroxidase-Like Activity. <i>Chemistry - A European Journal</i> , 2010, 16, 3617-3621.	3.3	484
14287	Preparation and Characterisation of Super-Hydrophobic Surfaces. <i>Chemistry - A European Journal</i> , 2010, 16, 3568-3588.	3.3	267
14288	Synthesis of Anatase TiO ₂ Tubular Structures Microcrystallites with a High Percentage of {001} Facets by a Simple One-Step Hydrothermal Template Process. <i>Chemistry - A European Journal</i> , 2010, 16, 7106-7109.	3.3	45

#	ARTICLE	IF	CITATIONS
14289	Strategic Synthesis of Hierarchical TiO ₂ Microspheres with Enhanced Photocatalytic Activity. Chemistry - A European Journal, 2010, 16, 11266-11270.	3.3	109
14290	Controlled Dispersion and Purification of Protein-Carbon Nanotube Conjugates Using Guanidine Hydrochloride. Chemistry - A European Journal, 2010, 16, 12221-12228.	3.3	18
14298	Water-Soluble Fluorescent Carbon Quantum Dots and Photocatalyst Design. Angewandte Chemie - International Edition, 2010, 49, 4430-4434.	13.8	2,258
14299	Nanostructured Carbonaceous Materials from Molecular Precursors. Angewandte Chemie - International Edition, 2010, 49, 6496-6515.	13.8	144
14300	Double-Walled Helical Silicon Microtubes. Angewandte Chemie - International Edition, 2010, 49, 3638-3641.	13.8	43
14301	MoS ₂ and WS ₂ Analogues of Graphene. Angewandte Chemie - International Edition, 2010, 49, 4059-4062.	13.8	1,417
14302	Graphene-How a Laboratory Curiosity Suddenly Became Extremely Interesting. Angewandte Chemie - International Edition, 2010, 49, 9332-9335.	13.8	97
14303	A Modular and Size-Selective Synthesis of [n]Cycloparaphenylenes: A Step toward the Selective Synthesis of [n] Single-Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2010, 49, 10202-10205.	13.8	215
14304	A cataluminescence gas sensor for ammonium sulfide based on Fe ₃ O ₄ -carbon nanotubes composite. Luminescence, 2010, 25, 294-299.	2.9	16
14305	Isotactic polypropylene composites reinforced with multiwall carbon nanotubes, part 2: Thermal and mechanical properties related to the structure. Journal of Applied Polymer Science, 2010, 115, 3576-3585.	2.6	34
14306	The art of surface modification of synthetic polymeric membranes. Journal of Applied Polymer Science, 2010, 115, 855-895.	2.6	239
14307	Synthesis and characterization of (Fe ₃ O ₄ /MWCNTs)/ epoxy nanocomposites. Journal of Applied Polymer Science, 2010, 116, 2783-2792.	2.6	11
14308	Synthesis and characterization of a polymer/multiwalled carbon nanotube composite and its application in the hydration of ethylene oxide. Journal of Applied Polymer Science, 2010, 115, 2946-2954.	2.6	14
14309	Nanocomposites of poly(vinylidene fluoride) with multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2010, 115, 3238-3248.	2.6	64
14310	Investigation of the interphase effects on the mechanical behavior of carbon nanotube polymer composites by multiscale modeling. Journal of Applied Polymer Science, 2010, 117, 361-367.	2.6	26
14311	The effect of multiwalled carbon nanotube dimensions on the morphology, mechanical, and electrical properties of melt mixed polypropylene-based composites. Journal of Applied Polymer Science, 2010, 117, 259-272.	2.6	33
14312	Electrochemistry and electrocatalysis with hemoglobin in hollow polyelectrolyte fibrous mats. Journal of Applied Polymer Science, 2010, 117, 1613-1617.	2.6	1
14313	Modification of halloysite nanotubes with poly(styrene-butyl acrylate-acrylic acid) via <i>in situ</i> soap-free graft polymerization. Journal of Applied Polymer Science, 2010, 117, 3054-3059.	2.6	2

#	ARTICLE	IF	CITATIONS
14314	Surfactant assisted processing of carbon nanotube/polypropylene composites: Impact of surfactants on the matrix polymer. Journal of Applied Polymer Science, 2010, 117, 2583-2590.	2.6	6
14315	Preparation and properties of the single-walled carbon nanotube/cellulose nanocomposites using N-methylmorpholine-N-oxide monohydrate. Journal of Applied Polymer Science, 2010, 117, 3588-3594.	2.6	16
14316	Preparation and characterization of graphene/poly(vinyl alcohol) nanocomposites. Journal of Applied Polymer Science, 2010, 118, 275-279.	2.6	151
14317	Polypropylene/carbon nanotube composites prepared with a environmentally benign processes. Journal of Applied Polymer Science, 2010, 118, 1335-1340.	2.6	2
14318	The effect of different modified multiwalled carbon nanotubes on tribological behaviors of poly(furfuryl alcohol) composite coatings. Journal of Applied Polymer Science, 2010, 118, 2881-2889.	2.6	3
14319	Reinforcing rubber with carbon nanotubes. Journal of Applied Polymer Science, 2010, 118, 1574-1581.	2.6	40
14320	Synthesis and characterization of an organic soluble and conducting polyaniline-grafted multiwalled carbon nanotube core-shell nanocomposites by emulsion polymerization. Journal of Applied Polymer Science, 2010, 118, 2582-2591.	2.6	23
14321	High dispersion ability of fluorene-based polyester as a polymer matrix for carbon nanotubes. Journal of Applied Polymer Science, 2010, 118, 2690-2695.	2.6	4
14322	Synthesis and properties of poly(butylene terephthalate)/multiwalled carbon nanotube nanocomposites prepared by <i>in situ</i> polymerization and <i>in situ</i> compatibilization. Journal of Applied Polymer Science, 2010, 118, 2929-2938.	2.6	22
14323	Layer-by-layer self-assembled multi-walled carbon nanotubes/silica microsphere composites as stationary phase for high-performance liquid chromatography. Journal of Separation Science, 2010, 33, 3304-3312.	2.5	79
14324	Heterotelechelic Hyperbranched Polyethers Solubilize Carbon Nanotubes. Macromolecular Chemistry and Physics, 2010, 211, 932-939.	2.2	15
14325	A Solvent-Free Dispersion Method for the Preparation of PET/MWCNT Composites. Macromolecular Materials and Engineering, 2010, 295, 652-659.	3.6	16
14326	Functionalized MWNT-Doped Thermoplastic Polyurethane Nanocomposites for Aerospace Coating Applications. Macromolecular Materials and Engineering, 2010, 295, 838-845.	3.6	34
14327	Advances in Dielectric Elastomers for Actuators and Artificial Muscles. Macromolecular Rapid Communications, 2010, 31, 10-36.	3.9	1,245
14328	Colloid-Assisted Self-Assembly of Robust, Three-Dimensional Networks of Carbon Nanotubes over Large Areas. Macromolecular Rapid Communications, 2010, 31, 609-615.	3.9	25
14329	Synthesis and Characterization of Nanocomposites Based on Functional Regioregular Poly(3-hexylthiophene) and Multiwall Carbon Nanotubes. Macromolecular Rapid Communications, 2010, 31, 1427-1434.	3.9	43
14330	New procedure for preparation of highly stable and well separated carbon nanotubes in an aqueous modified polyacrylonitrile. Materialwissenschaft Und Werkstofftechnik, 2010, 41, 234-240.	0.9	10
14331	Molecular dynamics simulation of carbon nanotubes under elevated temperatures. Materialwissenschaft Und Werkstofftechnik, 2010, 41, 314-319.	0.9	6

#	ARTICLE	IF	CITATIONS
14332	Assessment of adequate sodium hypochlorite concentration for pre-oxidization of multi-walled carbon nanotubes. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 699-707.	3.2	46
14333	Influences of longitudinal magnetic field on wave propagation in carbon nanotubes embedded in elastic matrix. <i>Applied Mathematical Modelling</i> , 2010, 34, 878-889.	4.2	121
14334	Synthesis and characterization of thermotropic liquid crystalline polyester/multi-walled carbon nanotube nanocomposites. <i>Applied Surface Science</i> , 2010, 256, 1739-1743.	6.1	14
14335	Surface growth of single-walled carbon nanotubes from ruthenium nanoparticles. <i>Applied Surface Science</i> , 2010, 256, 4038-4041.	6.1	21
14336	Humidity effect on the interaction between carbon nanotubes and graphite. <i>Applied Surface Science</i> , 2010, 256, 4672-4676.	6.1	9
14337	Synthesis and separation property of flower-like Cd(OH) ₂ microstructures via a simple solution route. <i>Applied Surface Science</i> , 2010, 256, 6224-6227.	6.1	14
14338	Tough ceramic coatings: Carbon nanotube reinforced silica sol-gel. <i>Applied Surface Science</i> , 2010, 256, 6375-6384.	6.1	25
14339	Hydrophobic vertically aligned carbon nanotubes on Corning glass for self cleaning applications. <i>Applied Surface Science</i> , 2010, 256, 6699-6704.	6.1	37
14340	X-ray photoelectron spectroscopic study of nitrogen incorporated amorphous carbon films embedded with nanoparticles. <i>Applied Surface Science</i> , 2010, 256, 7371-7376.	6.1	23
14341	Field emission properties of carbon nanotube cathodes produced using composite plating. <i>Applied Surface Science</i> , 2010, 256, 7600-7605.	6.1	25
14342	Bismuth onion thin film in situ grown on silicon wafer synthesized through a hydrothermal approach. <i>Applied Surface Science</i> , 2010, 257, 102-108.	6.1	2
14343	Position-controlled synthesis of single-walled carbon nanotubes on a transparent substrate by laser-induced chemical vapor deposition. <i>Applied Surface Science</i> , 2010, 257, 641-649.	6.1	11
14344	The pristine and carbon, silicon or germanium-substituted (10,0) BN nanotube: A computational DFT study of NMR parameters. <i>Arabian Journal of Chemistry</i> , 2010, 3, 121-126.	4.9	3
14345	Zearalenone determination in corn silage samples using an immunosensor in a continuous-flow/stopped-flow systems. <i>Biochemical Engineering Journal</i> , 2010, 51, 7-13.	3.6	47
14346	A study of two-stage cumulative fatigue behavior for CNT/epoxy composites. <i>Procedia Engineering</i> , 2010, 2, 2111-2120.	1.2	24
14347	Carbon nanotube electrodes for electrochemiluminescence biosensors. <i>Procedia Engineering</i> , 2010, 5, 808-811.	1.2	2
14348	Polymer nanocomposites based on functionalized carbon nanotubes. <i>Progress in Polymer Science</i> , 2010, 35, 837-867.	24.7	1,482
14349	One-step functionalization of multi-walled carbon nanotubes by radiation-induced graft polymerization and their application as enzyme-free biosensors. <i>Radiation Physics and Chemistry</i> , 2010, 79, 434-440.	2.8	51

#	ARTICLE	IF	CITATIONS
14350	A novel purification method of carbon nanotubes by high-temperature treatment with tetrachloromethane. Separation and Purification Technology, 2010, 71, 331-336.	7.9	22
14351	Carbon nanotube: Possible candidate for forward osmosis. Separation and Purification Technology, 2010, 75, 55-60.	7.9	70
14352	A breath sensor using carbon nanotubes operated by field effects of polarization and ionization. Sensors and Actuators A: Physical, 2010, 158, 328-334.	4.1	13
14353	Fabrication of gas ionization sensor using carbon nanotube arrays grown on porous silicon substrate. Sensors and Actuators A: Physical, 2010, 162, 24-28.	4.1	35
14354	Preparation of solid carbon spheres by pyrolysis of allyl COPNA-BMI resin. Journal of Analytical and Applied Pyrolysis, 2010, 89, 112-116.	5.5	17
14355	Novel layer-by-layer assembly molecularly imprinted sol-gel sensor for selective recognition of clindamycin based on Au electrode decorated by multi-wall carbon nanotube. Journal of Colloid and Interface Science, 2010, 344, 158-164.	9.4	62
14356	Preparation of SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ fibers by electrospinning combined with sol-gel process. Journal of Colloid and Interface Science, 2010, 344, 321-326.	9.4	62
14357	Eco-friendly and morphologically-controlled synthesis of porous CeO ₂ microstructure and its application in water purification. Journal of Colloid and Interface Science, 2010, 348, 600-607.	9.4	40
14358	Nanoindentation of surfactant aggregates. Journal of Colloid and Interface Science, 2010, 349, 196-204.	9.4	3
14359	Cleaner pathways of hydrogen, carbon nano-materials and metals production via solar thermal processing. Journal of Cleaner Production, 2010, 18, 900-907.	9.3	27
14360	Bicrystalline GaN nanowires grown by the formation of Pt+Ga solid solution nano-droplets on Si(1 1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	9.3	8
14361	Electrocatalytic reduction and sensitive determination of nitrite at nano-copper coated multi-walled carbon nanotubes modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2010, 639, 181-186.	3.8	45
14362	Modified multiwall carbon nanotubes paste electrode as a sensor for simultaneous determination of 6-thioguanine and folic acid using ferrocenedicarboxylic acid as a mediator. Journal of Electroanalytical Chemistry, 2010, 640, 75-83.	3.8	282
14363	Kinetics of oxygen reduction on gold nanoparticle/multi-walled carbon nanotube hybrid electrodes in acid media. Journal of Electroanalytical Chemistry, 2010, 642, 6-12.	3.8	14
14364	Electrochemistry of glucose oxidase immobilized on carbon nanotubes noncovalently functionalized by multihydroxyl and multicarboxyl groups. Journal of Electroanalytical Chemistry, 2010, 642, 92-97.	3.8	20
14365	Electrochemical layer-by-layer modified imprinted sensor based on multi-walled carbon nanotubes and sol-gel materials for sensitive determination of thymidine. Journal of Electroanalytical Chemistry, 2010, 644, 7-12.	3.8	42
14366	Electrocatalytic oxidation of hydrazine using glassy carbon electrode modified with carbon nanotube and terpyridine manganese(II) complex. Journal of Electroanalytical Chemistry, 2010, 644, 67-73.	3.8	51
14367	Gold nanoparticles/ethylenediamine/carbon nanotube modified glassy carbon electrode as the voltammetric sensor for selective determination of rutin in the presence of ascorbic acid. Journal of Electroanalytical Chemistry, 2010, 645, 115-122.	3.8	94

#	ARTICLE	IF	CITATIONS
14368	Electrically conductive alumina-carbon nanocomposites prepared by Spark Plasma Sintering. Journal of the European Ceramic Society, 2010, 30, 153-157.	5.7	98
14369	Pressureless sintering of carbon nanotube-Al ₂ O ₃ composites. Journal of the European Ceramic Society, 2010, 30, 1373-1380.	5.7	134
14370	Spark plasma sintering: A powerful tool to develop new silicon nitride-based materials. Journal of the European Ceramic Society, 2010, 30, 2937-2946.	5.7	115
14371	New synthesis methods for fluorinated carbon nanofibres and applications. Journal of Fluorine Chemistry, 2010, 131, 676-683.	1.7	34
14372	A novel adsorbent obtained by inserting carbon nanotubes into cavities of diatomite and applications for organic dye elimination from contaminated water. Journal of Hazardous Materials, 2010, 177, 138-145.	12.4	63
14373	Adsorption of copper(II) on multiwalled carbon nanotubes in the absence and presence of humic or fulvic acids. Journal of Hazardous Materials, 2010, 178, 333-340.	12.4	272
14374	Characterization and photodegradation characteristics of organic dye for Pt-titania combined multi-walled carbon nanotube composite catalysts. Journal of Industrial and Engineering Chemistry, 2010, 16, 321-326.	5.8	59
14375	Preparation and luminescence study of Eu(III) titanate nanotubes and nanowires using carbon nanotubes as removable templates. Journal of Luminescence, 2010, 130, 45-51.	3.1	9
14376	Carbon nanotube field effect transistors for high performance analog applications: An optimum design approach. Microelectronics Journal, 2010, 41, 395-402.	2.0	62
14377	Effect of chitosan as a functionalization agent on the performance and separation properties of polyimide/multi-walled carbon nanotubes mixed matrix flat sheet membranes. Journal of Membrane Science, 2010, 364, 309-317.	8.2	124
14378	Controlled growth and modification of vertically-aligned carbon nanotubes for multifunctional applications. Materials Science and Engineering Reports, 2010, 70, 63-91.	31.8	118
14379	A novel photon detector made of silicon and carbon nanotubes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 378-380.	1.6	4
14380	Removal of oxidative carbonaceous fragments by annealing treatment studied by XANES. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 323-325.	1.6	1
14381	Guided dispersion characteristics of metallic single-walled carbon nanotubes in the presence of dielectric media. Optics Communications, 2010, 283, 160-163.	2.1	20
14382	Pulsed laser deposition of carbon nanotube and polystyrene-carbon nanotube composite thin films. Optics and Lasers in Engineering, 2010, 48, 1291-1295.	3.8	21
14383	Sonochemical synthesis, characterization and thermal and optical analysis of CuO nanoparticles. Physica B: Condensed Matter, 2010, 405, 3096-3100.	2.7	58
14384	Effect of Fe ³⁺ concentration on MWCNTs formation in liquid arcing method. Physica B: Condensed Matter, 2010, 405, 4344-4349.	2.7	2
14385	Functionalizing carbon nanotubes for proton exchange membrane fuel cells electrode. Journal of Power Sources, 2010, 195, 6255-6261.	7.8	97

#	ARTICLE	IF	CITATIONS
14386	Study on dispersion and electrical property of multi-walled carbon nanotubes/low-density polyethylene nanocomposites. <i>Materials & Design</i> , 2010, 31, 1676-1683.	5.1	26
14387	Spark plasma sintered multi-wall carbon nanotube reinforced aluminum matrix composites. <i>Materials & Design</i> , 2010, 31, S96-S100.	5.1	152
14388	Viscoelastic properties of multi-walled carbon nanotube/epoxy composites using two different curing cycles. <i>Materials & Design</i> , 2010, 31, 3383-3388.	5.1	84
14389	Microwave plasma chemical vapor deposition synthesis of boron-doped carbon nanotube. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S608-S609.	1.2	11
14390	Low-energy electronic structures of nanotube-graphene hybrid carbon systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 744-747.	2.7	11
14391	Small scale effect on the buckling analysis of single-layered graphene sheet embedded in an elastic medium based on nonlocal plate theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1293-1301.	2.7	142
14392	Molecular dynamics study of multi-walled carbon nanotubes under uniaxial loading. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 775-778.	2.7	29
14393	Scale effects on the longitudinal wave propagation in nanoplates. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1356-1360.	2.7	81
14394	Optical excitations of finite double-walled carbon nanotubes under electric field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 787-790.	2.7	1
14395	Influence of the nitrogen content on the electrochemical capacitor characteristics of vertically aligned carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 2799-2803.	2.7	10
14396	Computational studies on boron nitride and boron phosphide nanotubes: Density functional calculations of boron-11 electric field gradient tensors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1667-1669.	2.7	40
14397	Terahertz wave characteristics of a single-walled carbon nanotube containing a fluid flow using the nonlocal Timoshenko beam model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1706-1712.	2.7	60
14398	Electronic structure and optical properties of single walled ZnSe nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1896-1900.	2.7	6
14399	Linear optical response of carbon nanotubes under axial magnetic field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1850-1860.	2.7	11
14400	Application of nonlocal elasticity and DQM in the flapwise bending vibration of a rotating nanocantilever. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1944-1949.	2.7	122
14401	The NMR parameters of the SiC-doped BN nanotubes: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 1954-1957.	2.7	19
14402	Sulfur doping at the tips of (6,0) boron nitride nanotube: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 2147-2150.	2.7	28
14403	Vibration and instability analysis of carbon nanotubes conveying fluid and resting on a linear viscoelastic Winkler foundation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 2218-2224.	2.7	90

#	ARTICLE	IF	CITATIONS
14404	Effect of C-supported Co catalyst on the ethanol decomposition to produce hydrogen and multi-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2280-2284.	2.7	11
14405	Longitudinal and transverse vibration of a single-walled carbon nanotube subjected to a moving nanoparticle accounting for both nonlocal and inertial effects. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2391-2401.	2.7	76
14406	Effect of magnetic impurity on spin-polarized transport in armchair single-wall carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 97-101.	2.7	0
14407	Atomistic finite element model for axial buckling of single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 58-69.	2.7	83
14408	Adsorption-induced scission of titanate nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 130-133.	2.7	2
14409	First-principles study of transition-metal atoms adsorption on GaN nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 22-27.	2.7	14
14410	Vibration analysis of a single-walled carbon nanotube under action of a moving harmonic load based on nonlocal elasticity theory. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 182-191.	2.7	191
14411	High accuracy curve fits for chirality, length and diameter dependent initial modulus of single walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 252-255.	2.7	5
14412	Molecular dynamics simulation study of neon adsorption on single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 261-265.	2.7	10
14413	Blue-green luminescence by SWCNT/ZnO hybrid nanostructure synthesized by a simple chemical route. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 279-284.	2.7	13
14414	Optical absorption of zigzag single walled boron nitride nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 312-318.	2.7	6
14415	The thermo-mechanical vibration of a single-walled carbon nanotube studied using the Bubnov-Galerkin method. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 375-381.	2.7	22
14416	Transparent field emitters with light reflector. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 405-409.	2.7	0
14417	Field emission of carbon nanotube films fabricated by vacuum filtration. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 462-465.	2.7	11
14418	Tight-binding calculation with up to the 3rd nearest neighbor coupling for small-radius carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 482-486.	2.7	4
14419	DFT study on influence of Si and Ge doping on the chemical shielding tensors in the armchair AlN nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 588-592.	2.7	10
14420	Atomic-scale characterization of silicon diffusion on carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 43, 610-613.	2.7	3
14421	Density functional theory study of the electronic and field emission properties of nitrogen- and boron-doped carbon nanocones. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 782-787.	2.1	14

#	ARTICLE	IF	CITATIONS
14422	Mechanical properties of nickel-coated single-walled carbon nanotubes and their embedded gold matrix composites. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 1068-1072.	2.1	35
14423	Single-walled gold nanotubes grown in carbon nanotubes: Molecular dynamics simulations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3258-3262.	2.1	10
14424	Isotropy of optical excitations in few-layer graphenes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 3594-3597.	2.1	3
14425	First-principles investigation on B/N co-doping of metallic carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4343-4348.	2.1	22
14426	Understanding of temperature and size dependences of effective thermal conductivity of nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4312-4315.	2.1	66
14427	Scale effects on thermal buckling properties of carbon nanotube. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4890-4893.	2.1	34
14428	Nonlocal plate model for free vibrations of single-layered graphene sheets. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 375, 53-62.	2.1	369
14429	Boron carbon nanotube superlattices: Geometry, electronic structure and quantum conductance. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 375, 63-66.	2.1	2
14430	To the description of multi-layered nanotubes in models of cylindrically anisotropic elasticity. Physical Mesomechanics, 2010, 13, 12-20.	1.9	3
14431	Simulation of deformation and fracture of graphene: effect of size, defects and surface modification. Physical Mesomechanics, 2010, 13, 329-336.	1.9	12
14432	Characterization of h-WO ₃ nanorods synthesized by hydrothermal process. Polyhedron, 2010, 29, 1771-1775.	2.2	60
14433	Effect of carbon nanotubes on the photo-oxidative durability of syndiotactic polypropylene. Polymer Degradation and Stability, 2010, 95, 1614-1626.	5.8	43
14434	Magnetically processed carbon nanotube/epoxy nanocomposites: Morphology, thermal, and mechanical properties. Polymer, 2010, 51, 1614-1620.	3.8	149
14435	The effect of matrix morphology on nanocomposite properties. Polymer, 2010, 51, 748-754.	3.8	11
14436	Morphology, rheology and crystallization behavior of polylactide composites prepared through addition of five-armed star polylactide grafted multiwalled carbon nanotubes. Polymer, 2010, 51, 730-737.	3.8	153
14437	Assessing the strengths and weaknesses of various types of pre-treatments of carbon nanotubes on the properties of polymer/carbon nanotubes composites: A critical review. Polymer, 2010, 51, 975-993.	3.8	306
14438	Localization of carbon nanotubes at the interface in blends of polyamide and ethyleneacrylate copolymer. Polymer, 2010, 51, 1341-1354.	3.8	196
14439	UV-assisted grafting of polymers: A method towards biocompatible carbon nanotubes. Polymer, 2010, 51, 2465-2471.	3.8	21

#	ARTICLE	IF	CITATIONS
14440	Design of mesoporous carbon fibers from a poly(acrylonitrile) based block copolymer by a simple templating compression moulding process. <i>Polymer</i> , 2010, 51, 2965-2971.	3.8	15
14441	Characterization of melt flow instabilities in polyethylene/carbon nanotube composites. <i>Polymer</i> , 2010, 51, 3753-3761.	3.8	40
14442	One-dimensional organic-inorganic hybrid nanomaterials. <i>Polymer</i> , 2010, 51, 4015-4036.	3.8	121
14443	Crystallization behavior of poly(trimethylene terephthalate)-poly(ethylene glycol) segmented copolyesters/multi-walled carbon nanotube nanocomposites. <i>Polymer Testing</i> , 2010, 29, 1007-1013.	4.8	26
14444	Transient shear rheology of carbon nanofiber/polystyrene melt composites. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2010, 165, 98-109.	2.4	18
14445	Influence of methylimidazole isomers on ferrocene-catalysed nitrogen doped carbon nanotube synthesis. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 1451-1457.	1.8	21
14446	Synthesis of high nitrogen doping of carbon nanotubes and modeling the stabilization of filled DAATO@CNTs (10,10) for nanoenergetic materials. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 134-139.	4.0	47
14447	Controllable synthesis and modification of carbon micro-spheres from deoiled asphalt. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 235-241.	4.0	15
14448	Excitons in optical spectra of boron nitride (BN) nanotubes. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 627-629.	4.0	0
14449	Fabrication and characterization of magnetic Fe ₃ O ₄ @CNT composites. <i>Journal of Physics and Chemistry of Solids</i> , 2010, 71, 673-676.	4.0	82
14450	Nose-Hoover thermostat length effect on thermal conductivity of single wall carbon nanotubes. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 5884-5887.	4.8	24
14451	The synergy between multi-wall carbon nanotubes and Vulcan XC72R in microporous layers. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9241-9251.	7.1	55
14452	A study on the effects of Fe _x /Ni _y /MgO catalysts on the volumetric and electrochemical hydrogen storage of multi-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 231-237.	7.1	14
14453	H ₂ storage on single- and multi-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 622-628.	7.1	118
14454	Hydrogen storage in coiled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 1313-1320.	7.1	41
14455	Electrochemical hydrogen storage behavior of single-walled carbon nanotubes (SWCNTs) coated with Ni nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2336-2343.	7.1	40
14456	Adsorption of hydrogen atoms onto the exterior wall of carbon nanotubes and their thermodynamics properties. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 4543-4553.	7.1	18
14457	CNTs nanostructuring effect on the properties of graphite composite bipolar plate. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 4195-4200.	7.1	66

#	ARTICLE	IF	CITATIONS
14458	A meshless approach for free transverse vibration of embedded single-walled nanotubes with arbitrary boundary conditions accounting for nonlocal effect. International Journal of Mechanical Sciences, 2010, 52, 1343-1356.	6.7	98
14459	Combustion synthesis of carbon nanotubes and related nanostructures. Progress in Energy and Combustion Science, 2010, 36, 696-727.	31.2	113
14460	Thermoelectric power in ultrathin films, quantum wires and carbon nanotubes under classically large magnetic field: Simplified theory and relative comparison. Physica B: Condensed Matter, 2010, 405, 472-498.	2.7	6
14461	Electronic transport properties of a molecular switch with carbon nanotube electrodes: A first-principles study. Physica B: Condensed Matter, 2010, 405, 446-450.	2.7	36
14462	Electric field doping of few-layer graphene. Physica B: Condensed Matter, 2010, 405, 1163-1167.	2.7	4
14463	DFT study of NH ₃ adsorption on the (5,0), (8,0), (5,5) and (6,6) single-walled carbon nanotubes. Calculated binding energies, NMR and NQR parameters. Physica B: Condensed Matter, 2010, 405, 1455-1460.	2.7	37
14464	Effect of uniaxial strain on the band gap of zigzag carbon nanotubes. Physica B: Condensed Matter, 2010, 405, 1329-1334.	2.7	12
14465	Comparison of structure and yield of multiwall carbon nanotubes produced by the CVD technique and a water assisted method. Physica B: Condensed Matter, 2010, 405, 1745-1749.	2.7	17
14466	Helical inter band collective excitations in single-walled carbon nanotubes with chiral symmetry. Physica B: Condensed Matter, 2010, 405, 1796-1808.	2.7	3
14467	First-principles study of the electronic transport properties of the carbon nanobuds. Physica B: Condensed Matter, 2010, 405, 2097-2101.	2.7	16
14468	Study of neon adsorption on carbon nanocones using molecular dynamics simulation. Physica B: Condensed Matter, 2010, 405, 2144-2148.	2.7	30
14469	Computational investigation of the electronic and structural properties of ultra small-diameter boron nitride nanotubes. Physica B: Condensed Matter, 2010, 405, 2542-2544.	2.7	12
14470	Microstructural characterization of alumina-coated multi-walled carbon nanotubes synthesized by hydrothermal crystallization. Physica B: Condensed Matter, 2010, 405, 3312-3315.	2.7	9
14471	Computations of the quadrupole coupling constants in aluminum doped boron nitride nanotubes. Physica B: Condensed Matter, 2010, 405, 3991-3994.	2.7	5
14472	Control growth of carbon nanofibers on Ni/activated carbon in a fluidized bed reactor. Microporous and Mesoporous Materials, 2010, 131, 393-400.	4.4	21
14473	Enhancement of hydrogen gas permeability in electrically aligned MWCNT-PMMA composite membranes. Micron, 2010, 41, 909-914.	2.2	57
14474	Tensile behaviors of graphene sheets and carbon nanotubes with multiple Stone-Wales defects. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 715-723.	5.6	103
14475	Preparation and properties of hydroxylated styrene-butadiene-styrene tri-block copolymer/multi-walled carbon nanotubes nanocomposites via covalent bond. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 5280-5286.	5.6	15

#	ARTICLE	IF	CITATIONS
14476	Surfactant-modified multiscale composites for improved tensile fatigue and impact damage sensing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 7340-7352.	5.6	24
14477	The mechanical study of acrylic bone cement reinforced with carbon nanotube. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 169, 134-137.	3.5	23
14478	Microwave absorption properties of carbon nanotubes and tetrapod-shaped ZnO nanostructures composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 175, 81-85.	3.5	61
14479	Fabrication and characterization of three-dimensional nanofiber membrane of PCL-MWCNTs by electrospinning. Materials Science and Engineering C, 2010, 30, 1014-1021.	7.3	198
14480	Boron nitride nanotubes. Materials Science and Engineering Reports, 2010, 70, 92-111.	31.8	400
14481	Graphene and graphite nanoribbons: Morphology, properties, synthesis, defects and applications. Nano Today, 2010, 5, 351-372.	11.9	817
14482	Functional nanoparticles for molecular imaging guided gene delivery. Nano Today, 2010, 5, 524-539.	11.9	136
14483	Energy loss of protons in carbon nanotubes: Experiments and calculations. Nuclear Instruments & Methods in Physics Research B, 2010, 268, 1781-1785.	1.4	9
14484	Preparation, characterization, adsorption kinetics and thermodynamics of novel magnetic chitosan enwrapping nanosized Fe_3O_4 and multi-walled carbon nanotubes with enhanced adsorption properties for methyl orange. Bioresource Technology, 2010, 101, 5063-5069.	9.6	340
14485	Aspect ratio control of acid modified multiwalled carbon nanotubes. Current Applied Physics, 2010, 10, 1046-1052.	2.4	32
14486	Comparison of single-walled carbon nanotube growth from Fe and Ni nanoparticles using quantum chemical molecular dynamics methods. Carbon, 2010, 48, 3014-3026.	10.3	42
14487	Molecular mechanics simulation of the sliding behavior between nested walls in a multi-walled carbon nanotube. Carbon, 2010, 48, 2934-2940.	10.3	67
14488	Conductivity and polarization of carbonaceous nanotubes derived from polyaniline nanotubes and their electrorheology when dispersed in silicone oil. Carbon, 2010, 48, 2958-2967.	10.3	105
14489	Ir ^{III} nanoparticles supported on microstructure controlled carbon nanofibers as electrocatalyst for oxygen reduction reaction. Electrochemistry Communications, 2010, 12, 27-31.	4.7	14
14490	Nitrogen-doped carbon nanotubes as a cathode catalyst for the oxygen reduction reaction in alkaline medium. Electrochemistry Communications, 2010, 12, 338-341.	4.7	303
14491	Electrochemical reduction of oxygen on double-walled carbon nanotube modified glassy carbon electrodes in acid and alkaline solutions. Electrochemistry Communications, 2010, 12, 920-923.	4.7	42
14492	Ethylenediamine-anchored gold nanoparticles on multi-walled carbon nanotubes: Synthesis and characterization. Electrochemistry Communications, 2010, 12, 939-943.	4.7	13
14493	Simultaneous voltammetric determination of ascorbic acid, acetaminophen and isoniazid using thionine immobilized multi-walled carbon nanotube modified carbon paste electrode. Electrochimica Acta, 2010, 55, 666-672.	5.2	150

#	ARTICLE	IF	CITATIONS
14494	Study of nimesulide and its determination using multiwalled carbon nanotubes modified glassy carbon electrodes. <i>Electrochimica Acta</i> , 2010, 55, 2522-2526.	5.2	46
14495	A novel layer-by-layer self-assembled carbon nanotube-based anode: Preparation, characterization, and application in microbial fuel cell. <i>Electrochimica Acta</i> , 2010, 55, 3041-3047.	5.2	141
14496	Synthesis of Pt nanocatalyst with micelle-encapsulated multi-walled carbon nanotubes as support for proton exchange membrane fuel cells. <i>Electrochimica Acta</i> , 2010, 55, 6496-6500.	5.2	18
14497	Imprinting molecular recognition sites on multiwalled carbon nanotubes surface for electrochemical detection of insulin in real samples. <i>Electrochimica Acta</i> , 2010, 55, 9146-9156.	5.2	108
14498	Adsorption structure analysis of entrapped nitrogen in carbon-nanohorns by soft X-ray emission and absorption spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 181, 186-188.	1.7	5
14499	Small-scale effect on torsional buckling of multi-walled carbon nanotubes. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 49-55.	3.7	73
14500	Molecular structural mechanics approach to carbon nanotubes on graphics processing units. <i>European Journal of Mechanics, A/Solids</i> , 2010, 29, 440-447.	3.7	2
14501	Synthesis of end-cap precursor molecules for (6, 6) armchair and (9, 0) zig-zag single-walled carbon nanotubes. <i>Tetrahedron Letters</i> , 2010, 51, 3221-3225.	1.4	38
14502	Structural, electronic and optical properties of smallest (2,2) carbon nanotube: A plane-wave pseudopotential total energy calculation. <i>Computational and Theoretical Chemistry</i> , 2010, 942, 88-92.	1.5	12
14503	The B-doped SiC nanotubes: A computational study. <i>Computational and Theoretical Chemistry</i> , 2010, 953, 134-138.	1.5	26
14504	Metal induced amino acid adsorption on nanotubes. <i>Thin Solid Films</i> , 2010, 518, 2070-2076.	1.8	16
14505	Optical properties of single-wall carbon nanotube films deposited on Si/SiO ₂ wafers. <i>Thin Solid Films</i> , 2010, 518, 3954-3959.	1.8	32
14506	Surface free energy and super-hydrophobic coating of multi-walled carbon nanotubes by 3:1 TMCS/toluene glow discharge plasma under low pressure. <i>Thin Solid Films</i> , 2010, 518, 6619-6623.	1.8	8
14507	Ab initio study of the binding of collagen amino acids to graphene and A-doped (A=H, Ca) graphene. <i>Thin Solid Films</i> , 2010, 518, 6951-6961.	1.8	64
14508	Enhanced electron emission from titanium coated multiwalled carbon nanotubes. <i>Thin Solid Films</i> , 2010, 518, 6915-6920.	1.8	24
14509	Effects of calcination temperature on the morphology, structure and photocatalytic activity of titanate nanotube thin films. <i>Thin Solid Films</i> , 2010, 519, 541-548.	1.8	32
14510	Crystalline diamond/graphite nanoflake hybrid films. <i>Thin Solid Films</i> , 2010, 519, 625-629.	1.8	6
14511	Conducting polymer 1-dimensional nanostructures for FET sensors. <i>Thin Solid Films</i> , 2010, 519, 964-973.	1.8	40

#	ARTICLE	IF	CITATIONS
14512	Carbon nanotubes â€” chitosan nanobiocomposite for immunosensor. Thin Solid Films, 2010, 519, 1160-1166.	1.8	39
14513	One-step synthesis of multiwalled carbon nanotubes-gold nanocomposites for fabricating amperometric acetylcholinesterase biosensor. Sensors and Actuators B: Chemical, 2010, 143, 524-529.	7.8	102
14514	Electrocatalytic oxidation and determination of ascorbic acid in the presence of dopamine at multiwalled carbon nanotubeâ€”silica networkâ€”gold nanoparticles based nanohybrid modified electrode. Sensors and Actuators B: Chemical, 2010, 143, 696-703.	7.8	95
14515	Carbon nanotubes paste electrodes modified with a melanic polymer: Analytical applications for the sensitive and selective quantification of dopamine. Sensors and Actuators B: Chemical, 2010, 144, 274-279.	7.8	27
14516	Fabrication of nano-copper/carbon nanotubes/chitosan film by one-step electrodeposition and its sensitive determination of nitrite. Sensors and Actuators B: Chemical, 2010, 145, 762-768.	7.8	65
14517	Highly sensitive hydrogen gas sensors using single-walled carbon nanotubes grafted with Pd nanoparticles. Sensors and Actuators B: Chemical, 2010, 146, 122-128.	7.8	54
14518	Sensitive acetylcholinesterase biosensor based on assembly of β -cyclodextrins onto multiwall carbon nanotubes for detection of organophosphates pesticide. Sensors and Actuators B: Chemical, 2010, 146, 337-341.	7.8	87
14519	Electrochemical acetylene sensor based on Au/MWCNTs. Sensors and Actuators B: Chemical, 2010, 149, 427-431.	7.8	34
14520	Synthesis of multi-wall carbon nanotubes by the pyrolysis of ethanol on Fe/MCM-41 mesoporous molecular sieves. Superlattices and Microstructures, 2010, 47, 432-441.	3.1	14
14521	One-pot synthesis of one-dimensional array Pt nanoparticles on carbon nanotubes via a facile microwave polyol method. Superlattices and Microstructures, 2010, 47, 705-709.	3.1	9
14522	Synthesis of multiwall carbon nanotubes by chemical vapor deposition of ferrocene alone. Solid State Communications, 2010, 150, 311-315.	1.9	48
14523	Water transportation across narrow channel of nanometer dimension. Solid State Communications, 2010, 150, 968-975.	1.9	8
14524	Effects of adsorbed gas on the electrical conductivity of metallic carbon nanotubes. Solid State Communications, 2010, 150, 755-758.	1.9	13
14525	First principles study on the electronic structure and effect of vanadium doping of BN nanowires. Solid State Communications, 2010, 150, 701-706.	1.9	11
14526	Dust acoustic wave oscillations in metallic carbon nanotubes. Solid State Communications, 2010, 150, 1062-1064.	1.9	9
14527	An electronic structure study of O-terminated zigzag BN nanotubes: Density functional calculations of the quadrupole coupling constants. Solid State Communications, 2010, 150, 1238-1240.	1.9	12
14528	The influence of structure on the thermal conductivities of low-dimensional carbon materials. Solid State Communications, 2010, 150, 1321-1324.	1.9	7
14529	Synthesis, characterization and electrochemical impedance spectroscopy of VOx-NTs/PPy composites. Solid State Communications, 2010, 150, 1807-1811.	1.9	14

#	ARTICLE	IF	CITATIONS
14530	Band gap and chemically ordered domain structure of a graphene analogue. Solid State Communications, 2010, 150, 2262-2265.	1.9	7
14531	Preparation and electrochemical performance of Li ₄ Ti ₅ O ₁₂ /graphitized carbon nanotubes composite. Solid State Ionics, 2010, 181, 635-639.	2.7	52
14532	Adsorption of N ₂ , CH ₄ , CO and CO ₂ gases in single walled carbon nanotubes: A combined experimental and Monte Carlo molecular simulation study. Journal of Supercritical Fluids, 2010, 55, 510-523.	3.2	125
14533	Thermal sprayed stainless steel/carbon nanotube composite coatings. Surface and Coatings Technology, 2010, 205, 2104-2112.	4.8	29
14534	Surfactant-free nanofluids containing double- and single-walled carbon nanotubes functionalized by a wet-mechanochemical reaction. Thermochimica Acta, 2010, 497, 67-71.	2.7	105
14535	10-kV diffractive imaging using newly developed electron diffraction microscope. Ultramicroscopy, 2010, 110, 130-133.	1.9	24
14536	A systematic procedure for determining the chiral indices of multi-walled carbon nanotubes using electron diffraction—each and every shell. Ultramicroscopy, 2010, 111, 66-72.	1.9	19
14537	Structure modifications of vertically grown carbon nanotubes by plasma ion bombardment. Vacuum, 2010, 84, 1398-1401.	3.5	3
14538	Numerical analysis in focusing characteristics of the three-dimensional trapezoidal electrodes for carbon nanotube field emitters. Vacuum, 2010, 85, 48-54.	3.5	0
14539	Calculated dependence of vibrational band frequencies of single-walled and double-walled carbon nanotubes on diameter. Vibrational Spectroscopy, 2010, 53, 163-172.	2.2	20
14540	Modeling of interfacial friction damping of carbon nanotube-based nanocomposites. Mechanical Systems and Signal Processing, 2010, 24, 2996-3012.	8.0	49
14541	Synthesis and application of multi-walled carbon nanotubes—“molecularly imprinted sol-gel” composite material for on-line solid-phase extraction and high-performance liquid chromatography determination of trace Sudan IV. Analytica Chimica Acta, 2010, 661, 173-180.	5.4	76
14542	Fabrication of DNA functionalized carbon nanotubes/Cu ²⁺ complex by one-step electrodeposition and its sensitive determination of nitrite. Analytica Chimica Acta, 2010, 667, 57-62.	5.4	33
14543	Climber motion optimization for the tethered space elevator. Acta Astronautica, 2010, 66, 1458-1467.	3.2	36
14544	Approximate solutions to the nonlinear vibrations of multiwalled carbon nanotubes using Adomian decomposition method. Applied Mathematics and Computation, 2010, 217, 495-505.	2.2	19
14545	NO _x removal by rhodium catalysts supported on carbon nanotubes: Evidence for the stoichiometric reduction of NO ₂ and NO by the carbon support. Applied Catalysis B: Environmental, 2010, 96, 110-116.	20.2	25
14546	Ni-decorated carbon nanotube-promoted Ni—Mo—K catalyst for highly efficient synthesis of higher alcohols from syngas. Applied Catalysis B: Environmental, 2010, 100, 245-253.	20.2	61
14547	Photocatalytic oxidation of benzene derivatives in aqueous suspensions: Synergic effect induced by the introduction of carbon nanotubes in a TiO ₂ matrix. Applied Catalysis B: Environmental, 2010, 101, 81-89.	20.2	137

#	ARTICLE	IF	CITATIONS
14548	Nonlocal elasticity effect on column buckling of multiwalled carbon nanotubes under temperature field. <i>Applied Mathematical Modelling</i> , 2010, 34, 3933-3942.	4.2	94
14549	Field emission characteristics of carbon nanotubes post-treated with high-density Ar plasma. <i>Applied Surface Science</i> , 2010, 256, 2184-2188.	6.1	10
14550	Template function of liquid membranes in the assembly of tube-in-tube carbon nanostructures. <i>Applied Surface Science</i> , 2010, 256, 1689-1693.	6.1	4
14551	Surface adhesion between hexagonal boron nitride nanotubes and silicon based on lateral force microscopy. <i>Applied Surface Science</i> , 2010, 256, 1769-1773.	6.1	13
14552	Growth and field emission property of coiled carbon nanostructure using copper as catalyst. <i>Applied Surface Science</i> , 2010, 256, 4417-4422.	6.1	18
14553	Titanium buffer layer for improved field emission of CNT based cold cathode. <i>Applied Surface Science</i> , 2010, 256, 3563-3566.	6.1	22
14554	Multi-walled carbon nanotube supported Pd and Pt nanoparticles with high solution affinity for effective electrocatalysis. <i>Applied Surface Science</i> , 2010, 256, 6723-6728.	6.1	49
14555	Functionalization of carbon nanotubes with silver clusters. <i>Applied Surface Science</i> , 2010, 256, 7048-7055.	6.1	29
14556	Kinetics, equilibrium and thermodynamics of the sorption of tetrabromobisphenol A on multiwalled carbon nanotubes. <i>Applied Surface Science</i> , 2010, 256, 7246-7252.	6.1	111
14557	Morphology transition of ZnO films with DMZn flow rate in MOCVD process. <i>Applied Surface Science</i> , 2010, 256, 7305-7310.	6.1	15
14558	Development of hydrogel microstructures on single-walled carbon nanotube films. <i>Applied Surface Science</i> , 2010, 256, 7428-7433.	6.1	7
14559	Preparation and characterization of biocompatible magnetic carbon nanotubes. <i>Applied Surface Science</i> , 2010, 257, 362-366.	6.1	30
14560	Adsorption of oxygen molecular on pristine and defected SiC nanotubes. <i>Applied Surface Science</i> , 2010, 257, 282-289.	6.1	11
14561	Comparative study of electrochemical capacitance of multi-walled carbon nanotubes before and after chopping. <i>Applied Surface Science</i> , 2010, 257, 440-445.	6.1	13
14562	Surface modification of indium tin oxide films by amino ion implantation for the attachment of multi-wall carbon nanotubes. <i>Applied Surface Science</i> , 2010, 257, 752-755.	6.1	2
14563	The evolution of catalyst layer morphology and sub-surface growth of CNTs over the hot filament grown Fe-Cr thin films. <i>Applied Surface Science</i> , 2010, 257, 1511-1515.	6.1	8
14564	Highly improved electrooxidation of glucose at a nickel(II) oxide/multi-walled carbon nanotube modified glassy carbon electrode. <i>Bioelectrochemistry</i> , 2010, 77, 120-124.	4.6	228
14565	Carbon nanotube-enhanced cell electroporabilisation. <i>Bioelectrochemistry</i> , 2010, 79, 136-141.	4.6	32

#	ARTICLE	IF	CITATIONS
14566	Catalytic chemical vapour deposition of carbon nanotubes using Fe-doped alumina catalysts. <i>Catalysis Today</i> , 2010, 150, 100-106.	4.4	30
14567	Chemical functionalization of single-walled carbon nanotube field-effect transistors as switches and sensors. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1101-1116.	18.8	96
14568	Carbon nanotubes combined with inorganic nanomaterials: Preparations and applications. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1117-1134.	18.8	145
14569	Electrochemical synthesis and applications of oriented and hierarchically quasi-1D semiconducting nanostructures. <i>Coordination Chemistry Reviews</i> , 2010, 254, 1135-1150.	18.8	66
14570	Adsorption behavior of methylene blue onto titanate nanotubes. <i>Chemical Engineering Journal</i> , 2010, 156, 313-320.	12.7	326
14571	Facile synthesis of activated carbon/carbon nanotubes compound for supercapacitor application. <i>Chemical Engineering Journal</i> , 2010, 156, 500-504.	12.7	67
14572	Removal of cadmium from aqueous solutions by oxidized and ethylenediamine-functionalized multi-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2010, 157, 238-248.	12.7	360
14573	Carbon nanofiber based catalyst supports to be used in microreactors: Synthesis and characterization. <i>Chemical Engineering Journal</i> , 2010, 160, 899-908.	12.7	22
14574	Study of removal of azo dye by functionalized multi walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2010, 162, 1026-1034.	12.7	198
14575	Synthesis of γ -Al ₂ O ₃ nanowires through a boehmite precursor route. <i>Ceramics International</i> , 2010, 36, 1773-1777.	4.8	28
14576	Functionalized Carbon Nanotubes for Probing and Modulating Molecular Functions. <i>Chemistry and Biology</i> , 2010, 17, 107-115.	6.0	104
14577	Carbon nanotubes: Solid-phase extraction. <i>Journal of Chromatography A</i> , 2010, 1217, 2618-2641.	3.7	295
14578	New sorbents for extraction and microextraction techniques. <i>Journal of Chromatography A</i> , 2010, 1217, 2533-2542.	3.7	224
14579	Novel adsorbent based on multi-walled carbon nanotubes bonding on the external surface of porous silica gel particulates for trapping volatile organic compounds. <i>Journal of Chromatography A</i> , 2010, 1217, 5741-5745.	3.7	13
14580	The morphology and electrical conductivity of single-wall carbon nanotube thin films prepared by the Langmuir-Blodgett technique. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 113-117.	4.7	25
14581	Adsorption of light alkanes and alkenes onto single-walled carbon nanotube bundles: Langmuirian analysis and molecular simulations. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 357, 43-52.	4.7	29
14582	State of art in the preparation, characterisation and applications of Langmuir-Blodgett films of carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 354, 81-90.	4.7	21
14583	Dispersion of multiwalled carbon nanotubes by ionic liquid-type Gemini imidazolium surfactants in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 359, 66-70.	4.7	83

#	ARTICLE	IF	CITATIONS
14584	Preconcentration of Pb ²⁺ from aqueous solution using poly(acrylamide) and poly(N,N-dimethylacrylamide) grafted multiwalled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 360, 74-84.	4.7	45
14585	Aqueous dispersion stability of multi-carbon nanoparticles in anionic, cationic, neutral, bile salt and pulmonary surfactant solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 361, 13-24.	4.7	40
14586	Lyotropic liquid crystalline phases formed in binary mixture of 1-tetradecyl-3-methylimidazolium chloride/ethylammonium nitrate and its application in the dispersion of multi-walled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 369, 95-100.	4.7	23
14587	Effect of phenolic molecules on electrophoretic deposition of manganese dioxide-carbon nanotube nanocomposites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010, 369, 211-217.	4.7	18
14588	Embeddability of open-ended carbon nanotubes in hypercubes. <i>Computational Geometry: Theory and Applications</i> , 2010, 43, 524-534.	0.5	6
14589	Elastic response of a carbon nanotube fiber reinforced polymeric composite: A numerical and experimental study. <i>Composites Part B: Engineering</i> , 2010, 41, 414-421.	12.0	126
14590	Fabrication and effective thermal conductivity of multi-walled carbon nanotubes reinforced Cu matrix composites for heat sink applications. <i>Composites Science and Technology</i> , 2010, 70, 298-304.	7.8	230
14591	Investigation of carbon nanotube reinforced aluminum matrix composite materials. <i>Composites Science and Technology</i> , 2010, 70, 546-550.	7.8	214
14592	Characterization of rheological behaviors of polypropylene/carbon nanotubes composites and modeling their flow in a twin-screw mixer. <i>Composites Science and Technology</i> , 2010, 70, 647-656.	7.8	27
14593	Synthesis and properties of poly(hexamethylene terephthalate)/multiwall carbon nanotubes nanocomposites. <i>Composites Science and Technology</i> , 2010, 70, 789-796.	7.8	26
14594	Synthesis and characterization of well-dispersed multi-walled carbon nanotube/low-bandgap poly(3,4-alkoxythiophene) nanocomposites. <i>Composites Science and Technology</i> , 2010, 70, 1242-1248.	7.8	6
14595	Numerical investigation of mechanisms affecting the piezoresistive properties of CNT-doped polymers using multi-scale models. <i>Composites Science and Technology</i> , 2010, 70, 1312-1320.	7.8	149
14596	Large-scale fabrication and electrical properties of an anisotropic conductive polymer composite utilizing preferable location of carbon nanotubes in a polymer blend. <i>Composites Science and Technology</i> , 2010, 70, 1973-1979.	7.8	80
14597	Synthesis, microstructure and mechanical properties of Yttria Stabilized Zirconia (3YTZP) - Multi-Walled Nanotube (MWNTs) nanocomposite by direct in-situ growth of MWNTs on Zirconia particles. <i>Composites Science and Technology</i> , 2010, 70, 2086-2092.	7.8	55
14598	Conductive CNF-reinforced hybrid composites by injection moulding. <i>Composite Structures</i> , 2010, 92, 1416-1422.	5.8	42
14599	In situ modification of bacterial cellulose network structure by adding interfering substances during fermentation. <i>Bioresource Technology</i> , 2010, 101, 6084-6091.	9.6	116
14600	Electrical percolation-based biosensor for real-time direct detection of staphylococcal enterotoxin B (SEB). <i>Biosensors and Bioelectronics</i> , 2010, 25, 2573-2578.	10.1	25
14601	Layer-by-layer assembly sensitive electrochemical sensor for selectively probing -histidine based on molecular imprinting sol-gel at functionalized indium tin oxide electrode. <i>Biosensors and Bioelectronics</i> , 2010, 26, 696-702.	10.1	76

#	ARTICLE	IF	CITATIONS
14602	Impedimetric immunosensor based on SWCNT-COOH modified gold microelectrodes for label-free detection of deep venous thrombosis biomarker. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1278-1282.	10.1	48
14603	Performing enzyme-free H ₂ O ₂ biosensor and simultaneous determination for AA, DA, and UA by MWCNTs/PEDOT film. <i>Biosensors and Bioelectronics</i> , 2010, 26, 608-614.	10.1	224
14604	Carbon nanotubes-based chemiresistive biosensors for detection of microorganisms. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1437-1441.	10.1	123
14605	A selective nitric oxide nanocomposite biosensor based on direct electron transfer of microperoxidase: Removal of interferences by co-immobilized enzymes. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1080-1086.	10.1	50
14606	Mathematical analysis of carbon nanotube model. <i>Journal of Computational and Applied Mathematics</i> , 2010, 234, 1631-1636.	2.0	5
14607	Electrochemical synthesis of flake-like Fe/MWCNTs nanocomposite for hydrogen evolution reaction: Effect of the CNTs on dendrite growth of iron and its electrocatalytic activity. <i>Current Applied Physics</i> , 2010, 10, 72-76.	2.4	22
14608	Influence of air-oxidation on electric double layer capacitances of multi-walled carbon nanotube electrodes. <i>Current Applied Physics</i> , 2010, 10, 241-244.	2.4	49
14609	Effect of thin aluminum interlayer on growth and microstructure of carbon nanotubes. <i>Current Applied Physics</i> , 2010, 10, 407-410.	2.4	13
14610	Metal-free CNTs grown on glass substrate by microwave PECVD. <i>Current Applied Physics</i> , 2010, 10, S447-S450.	2.4	9
14611	Effect of surfactant and coating method on the electrical and optical properties of thin conductive films prepared with single-walled carbon nanotubes. <i>Current Applied Physics</i> , 2010, 10, e101-e104.	2.4	14
14612	The effect of the degree of deacetylation of chitosan on its dispersion of carbon nanotubes. <i>Carbon</i> , 2010, 48, 25-30.	10.3	63
14613	A quantum mechanical formulation of electron transport induced wind forces in metallic single-walled carbon nanotubes. <i>Carbon</i> , 2010, 48, 47-53.	10.3	7
14614	Large scale synthesis of N-doped multi-layered graphene sheets by simple arc-discharge method. <i>Carbon</i> , 2010, 48, 255-259.	10.3	416
14615	Enhanced field emission stability and density produced by conical bundles of catalyst-free carbon nanotubes. <i>Carbon</i> , 2010, 48, 287-292.	10.3	30
14616	Mechanistic investigations of single-walled carbon nanotube synthesis by ferrocene vapor decomposition in carbon monoxide. <i>Carbon</i> , 2010, 48, 380-388.	10.3	78
14617	In situ fabrication of HfC-decorated carbon nanotube yarns and their field-emission properties. <i>Carbon</i> , 2010, 48, 531-537.	10.3	19
14618	Fabrication of aluminum carbide nanowires by a nano-template reaction. <i>Carbon</i> , 2010, 48, 931-938.	10.3	28
14619	A solvothermal-reduction method for the production of horn shaped multi-wall carbon nanotubes. <i>Carbon</i> , 2010, 48, 668-672.	10.3	27

#	ARTICLE	IF	CITATIONS
14620	The doping of carbon nanotubes with nitrogen and their potential applications. Carbon, 2010, 48, 575-586.	10.3	513
14621	The synthesis of polyacrylonitrile/carbon nanotube microspheres by aqueous deposition polymerization under ultrasonication. Carbon, 2010, 48, 688-695.	10.3	53
14622	Functionalization of multi-walled carbon nanotubes grafted with self-generated functional groups and their polyamide 6 composites. Carbon, 2010, 48, 721-729.	10.3	49
14623	Numerically optimized bundle size and distribution of carbon nanofibers for a field emitter. Carbon, 2010, 48, 905-911.	10.3	10
14624	Platinum nanoparticles supported on stacked-cup carbon nanofibers as electrocatalysts for proton exchange membrane fuel cell. Carbon, 2010, 48, 995-1003.	10.3	79
14625	Charge-induced asymmetrical displacement of an aligned carbon nanotube buckypaper actuator. Carbon, 2010, 48, 1064-1069.	10.3	61
14626	Temperature and time dependence study of single-walled carbon nanotube growth by catalytic chemical vapor deposition. Carbon, 2010, 48, 1279-1288.	10.3	32
14627	Functionalization of multi-walled carbon nanotubes with non-reactive polymers through an ozone-mediated process for the preparation of a wide range of high performance polymer/carbon nanotube composites. Carbon, 2010, 48, 1289-1297.	10.3	119
14628	Growth of carbon hybrid materials by grafting on pre-grown carbon nanotube surfaces. Carbon, 2010, 48, 1305-1311.	10.3	7
14629	Solubilization of carbon nanotubes by cellulose xanthate toward the fabrication of enhanced amperometric detectors. Carbon, 2010, 48, 1380-1387.	10.3	21
14630	Controlled generation of oxygen functionalities on the surface of Single-Walled Carbon Nanotubes by HNO ₃ hydrothermal oxidation. Carbon, 2010, 48, 1515-1523.	10.3	63
14631	Density functional theory evidence for an electron hopping process in single-walled carbon nanotube-mediated redox reactions. Carbon, 2010, 48, 1524-1530.	10.3	5
14632	Synthesis of single-wall carbon nanohorns by arc-discharge in air and their formation mechanism. Carbon, 2010, 48, 1580-1585.	10.3	129
14633	Compressive mechanical properties of carbon nanotubes encapsulating helical copper nanowires. Carbon, 2010, 48, 1586-1591.	10.3	33
14634	Tailored production of nanostructured metal/carbon foam by laser ablation of selected organometallic precursors. Carbon, 2010, 48, 1807-1814.	10.3	13
14635	One-step synthesis of carbon functionalized with sulfonic acid groups using hydrothermal carbonization. Carbon, 2010, 48, 1844-1848.	10.3	125
14636	Moderate anisotropy in the electrical conductivity of bulk MWCNT/epoxy composites. Carbon, 2010, 48, 1918-1925.	10.3	29
14637	Production, properties and potential of graphene. Carbon, 2010, 48, 2127-2150.	10.3	1,502

#	ARTICLE	IF	CITATIONS
14638	Fabrication of high strength PVA/SWCNT composite fibers by gel spinning. Carbon, 2010, 48, 1977-1984.	10.3	83
14639	Chemical reactions between calcium carbide and chlorohydrocarbon used for the synthesis of carbon spheres containing well-ordered graphite. Carbon, 2010, 48, 2023-2029.	10.3	26
14640	Structure and electronic properties of AgX (X = Cl, Br, I)-intercalated single-walled carbon nanotubes. Carbon, 2010, 48, 2708-2721.	10.3	83
14641	New nitrene functionalizations onto sidewalls of carbon nanotubes and their spectroscopic analysis. Carbon, 2010, 48, 2425-2434.	10.3	24
14642	Potentiometric titration as a straightforward method to assess the number of functional groups on shortened carbon nanotubes. Carbon, 2010, 48, 2447-2454.	10.3	48
14643	Functionalization of single-walled carbon nanotubes with optically switchable spiropyrans. Carbon, 2010, 48, 2815-2824.	10.3	51
14644	Synthesis of double-walled carbon nanotube films and their field emission properties. Carbon, 2010, 48, 2882-2889.	10.3	26
14645	Synthesis of carbon nanotubes on single crystal diamond. Carbon, 2010, 48, 3027-3032.	10.3	11
14646	Comparison of structural changes in nitrogen and boron-doped multi-walled carbon nanotubes. Carbon, 2010, 48, 3033-3041.	10.3	111
14647	Synthesis of sea urchin-like particles of carbon nanotubes directly grown on stainless steel cores and their effect on the mechanical properties of polymer composites. Carbon, 2010, 48, 2910-2916.	10.3	24
14648	Synthesizing polystyrene/carbon nanotube composites by emulsion polymerization with non-covalent and covalent functionalization. Carbon, 2010, 48, 2925-2933.	10.3	58
14649	A theoretical study of possible shape and phase changes of carbon nanotube crystals during contraction and expansion. Carbon, 2010, 48, 2948-2952.	10.3	1
14650	Raman analysis and mapping for the determination of COOH groups on oxidized single walled carbon nanotubes. Carbon, 2010, 48, 3391-3398.	10.3	22
14651	A simple pyrolysis route to synthesize leaf-like carbon sheets. Carbon, 2010, 48, 3420-3426.	10.3	20
14652	Structural study of carbon nanomaterials prepared by chlorination of tungsten carbide and bis(cyclopentadienyl)tungsten dichloride. Carbon, 2010, 48, 3667-3675.	10.3	19
14653	Layer-by-layer assembly of poly(sodium 4-styrenesulfonate) wrapped multiwalled carbon nanotubes with polyaniline nanofibers and its electrochemistry. Carbon, 2010, 48, 3729-3736.	10.3	35
14654	Increasing the thermal conductivity of palmitic acid by the addition of carbon nanotubes. Carbon, 2010, 48, 3979-3986.	10.3	110
14655	How to switch from a tip to base growth mechanism in carbon nanotube growth by catalytic chemical vapour deposition. Carbon, 2010, 48, 3953-3963.	10.3	58

#	ARTICLE	IF	CITATIONS
14656	Epoxy-silicone filled with multi-walled carbon nanotubes and carbonyl iron particles as a microwave absorber. Carbon, 2010, 48, 4074-4080.	10.3	291
14657	Growth of a three-dimensional complex carbon nanoneedle electron emitter for fabrication of field emission device. Carbon, 2010, 48, 4483-4488.	10.3	16
14658	Self-assembled natural rubber/multi-walled carbon nanotube composites using latex compounding techniques. Carbon, 2010, 48, 4497-4503.	10.3	111
14659	Tubular carbon nanostructures produced by tunneling of cobalt nanoparticles in carbon fibers. Carbon, 2010, 48, 4574-4577.	10.3	4
14660	Lithium salt of end-substituted nanotube: Structure and large nonlinear optical property. Chemical Physics Letters, 2010, 488, 182-186.	2.6	36
14661	Triggering surface nickel diffusion by adsorption of carbon. Chemical Physics Letters, 2010, 492, 63-67.	2.6	6
14662	Progress and challenges for the bottom-up synthesis of carbon nanotubes with discrete chirality. Chemical Physics Letters, 2010, 494, 1-7.	2.6	213
14663	Polyglycerol-derived amphiphiles for single walled carbon nanotube suspension. Chemical Physics Letters, 2010, 493, 147-150.	2.6	32
14664	Conductivity of TiO ₂ nanotubes: Influence of annealing time and temperature. Chemical Physics Letters, 2010, 494, 260-263.	2.6	136
14665	Adsorption behavior of ternary mixtures of noble gases inside single-walled carbon nanotube bundles. Chemical Physics Letters, 2010, 497, 213-217.	2.6	22
14666	Indirect methods for the determination of optimal processing conditions in conductive polypropylene/carbon nanotubes composites. Chemical Physics Letters, 2010, 498, 125-128.	2.6	24
14667	Theoretical study on pyrazinamide adsorption onto covalently functionalized (5,5) metallic single-walled carbon nanotube. Chemical Physics Letters, 2010, 500, 65-70.	2.6	52
14668	Synthesis of single-walled carbon nanotubes, their ropes and books. Comptes Rendus Physique, 2010, 11, 349-354.	0.9	10
14669	Réseaux 2d atomiques à nanotubes de carbone. Comptes Rendus Physique, 2010, 11, 362-374.	0.9	49
14670	Very short functionalized carbon nanotubes for membrane applications. Desalination, 2010, 250, 1150-1154.	8.2	17
14671	Electrochemiluminescence immunosensor based on nanocomposite film of CdS quantum dots-carbon nanotubes combined with gold nanoparticles-chitosan. Electrochemistry Communications, 2010, 12, 22-26.	4.7	82
14672	SAM-modified microdisc electrode arrays (MDEAs) with functionalized carbon nanotubes. Electrochimica Acta, 2010, 55, 4247-4255.	5.2	19
14673	Chitosan-assisted fabrication and electrocatalytic activity of the composite film electrode of heteropolytungstate/carbon nanotubes. Electrochimica Acta, 2010, 55, 1523-1527.	5.2	37

#	ARTICLE	IF	CITATIONS
14674	Using RTILs of EMIBF ₄ as "water" to prepare palladium nanoparticles onto MWCNTs by pyrolysis of PdCl ₂ . <i>Electrochimica Acta</i> , 2010, 55, 2319-2324.	5.2	22
14675	Poly(2-amino-4-thiazoleacetic acid)/multiwalled carbon nanotubes modified glassy carbon electrodes for the electrochemical detection of copper(II). <i>Electrochimica Acta</i> , 2010, 55, 2518-2521.	5.2	37
14676	A new amperometric glucose biosensor based on platinum nanoparticles/polymerized ionic liquid-carbon nanotubes nanocomposites. <i>Electrochimica Acta</i> , 2010, 55, 2848-2852.	5.2	61
14677	Gold nanoparticle/carbon nanotube hybrids as an enhanced material for sensitive amperometric determination of tryptophan. <i>Electrochimica Acta</i> , 2010, 55, 3927-3931.	5.2	135
14678	Carbon nanotube supported platinum-palladium nanoparticles for formic acid oxidation. <i>Electrochimica Acta</i> , 2010, 55, 4217-4221.	5.2	116
14679	Studies on the heterogeneous electron transport and oxygen reduction reaction at metal (Co, Fe) octabutylsulphonylphthalocyanines supported on multi-walled carbon nanotube modified graphite electrode. <i>Electrochimica Acta</i> , 2010, 55, 6367-6375.	5.2	70
14680	Oxygen reduction characteristics of bamboo-shaped, multi-walled carbon nanotubes without nitrogen in acid media. <i>Electrochimica Acta</i> , 2010, 55, 9166-9173.	5.2	21
14681	Development of an amperometric enzyme electrode biosensor for sterigmatocystin detection. <i>Enzyme and Microbial Technology</i> , 2010, 47, 119-126.	3.2	38
14682	Atomistic-based continuum representation of the effective properties of nano-reinforced epoxies. <i>International Journal of Solids and Structures</i> , 2010, 47, 1723-1736.	2.7	55
14683	Three hydrogen-bonded nanotubular zinc(II) complexes of N-(9-anthracenyl)-N'-(4-pyridyl)-urea. <i>Inorganic Chemistry Communication</i> , 2010, 13, 873-877.	3.9	6
14684	Form factor of an N-layered helical tape and its application to nanotube formation of hexa-peri-hexabenzocoronene-based molecules. <i>Journal of Applied Crystallography</i> , 2010, 43, 850-857.	4.5	13
14685	The adsorption of biomolecules to multi-walled carbon nanotubes is influenced by both pulmonary surfactant lipids and surface chemistry. <i>Journal of Nanobiotechnology</i> , 2010, 8, 31.	9.1	90
14686	Synthesis of Single-Walled Carbon Nanotubes in a High Frequency Furnace. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010, 636, 677-680.	1.2	5
14687	Studies of Electromagnetic Properties of MWCNTs after Electroless Plating with Co-Fe Alloy. <i>Chinese Journal of Aeronautics</i> , 2010, 23, 377-380.	5.3	20
14688	Preparation of double-walled carbon nanotubes using lanthanum as promoter. <i>Journal of Rare Earths</i> , 2010, 28, 717-720.	4.8	6
14689	Synthesis of MWCNTs-core/thiophene polymer-sheath composite nanocables by a cationic surfactant-assisted chemical oxidative polymerization and their structural properties. <i>Journal of Polymer Science Part A</i> , 2010, 48, 1477-1484.	2.3	276
14690	Modification of multiwall carbon nanotubes via soap-free emulsion polymerization of acrylonitrile. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2057-2062.	2.3	18
14691	Decoration of Fe ₃ O ₄ nanoparticles on the surface of poly(acrylic acid) functionalized multi-walled carbon nanotubes by covalent bonding. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4697-4703.	2.3	29

#	ARTICLE	IF	CITATIONS
14692	Relations between the aspect ratio of carbon nanotubes and the formation of percolation networks in biodegradable polylactide/carbon nanotube composites. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 479-489.	2.1	150
14693	Modification of multiwall carbon nanotubes by <i>grafting from</i> controlled polymerization of styrene: Effect of the characteristics of the nanotubes. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1035-1046.	2.1	22
14694	Complementary effects of multiwalled carbon nanotubes and conductive carbon black on polyamide 6. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1203-1212.	2.1	54
14695	Fundamental study of crystallization, orientation, and electrical conductivity of electrospun PET/carbon nanotube nanofibers. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 2052-2064.	2.1	39
14696	Preparation of Carbon Nanotube (CNT) Composites by Polymer Functionalized CNT under Plasma Treatment. Plasma Processes and Polymers, 2010, 7, 59-63.	3.0	41
14697	Plasma Functionalization of MWCNTs in He Followed by NH ₃ Treatment and its Application in PMMA Based Nanocomposites. Plasma Processes and Polymers, 2010, 7, 1001-1009.	3.0	24
14698	Polymer nanocomposites reinforced with multiwalled carbon nanotubes for semiconducting layers of high-voltage power cables. Polymer International, 2010, 59, 100-106.	3.1	46
14699	Plasma treatment-induced fluorine-functionalized multiwalled carbon nanotubes to modify poly(ethylene terephthalate) obtained via <i>in situ</i> polymerization. Polymer International, 2010, 59, 198-203.	3.1	7
14700	Surfactant-assisted processing of polyimide/multiwall carbon nanotube nanocomposites for microelectronics applications. Polymer International, 2010, 59, 1240-1245.	3.1	59
14701	A review of nanomaterial safety concerns. Process Safety Progress, 2010, 29, 182-185.	1.0	5
14702	Effect of synthesis process on the Young's modulus of titanate nanowire. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 327-333.	1.8	4
14703	Noncatalytic synthesis of carbon nitride nanocolumns by dc magnetron sputtering. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2300-2302.	1.8	9
14704	Ab initio calculations of optical spectra of a chiral (4,1) carbon nanotube. Physica Status Solidi (B): Basic Research, 2010, 247, 1814-1821.	1.5	20
14705	Preparation of homogeneous titania coatings on the surface of MWNTs. Physica Status Solidi (B): Basic Research, 2010, 247, 2683-2686.	1.5	3
14706	The line shape analysis of electron spectroscopy spectra by the artificial intelligence methods for identification of C ^{sp2} /C ^{sp3} bonds. Physica Status Solidi (B): Basic Research, 2010, 247, 2838-2842.	1.5	8
14707	Investigation of hydrogenated HiPCo nanotubes by infrared spectroscopy. Physica Status Solidi (B): Basic Research, 2010, 247, 2855-2858.	1.5	2
14708	The influence of incorporated β -carotene on the vibrational properties of single wall carbon nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2734-2737.	1.5	8
14709	Synthesis and functionalization of chalcogenide nanotubes. Physica Status Solidi (B): Basic Research, 2010, 247, 2338-2363.	1.5	25

#	ARTICLE	IF	CITATIONS
14710	Molecular and supramolecular templating of silica-based nanotubes and introduction of metal nanowires. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2401-2411.	1.5	13
14711	Self-organized TiO ₂ nanotubes: Factors affecting their morphology and properties. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2424-2435.	1.5	85
14712	ZnO nanowire arrays – Pattern generation, growth and applications. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2305-2314.	1.5	32
14713	Synthesis of a Pillared Graphene Nanostructure: A Counterpart of Three-Dimensional Carbon Architectures. <i>Small</i> , 2010, 6, 2309-2313.	10.0	178
14714	Fabrication of Carbon Nanoscrolls from Monolayer Graphene. <i>Small</i> , 2010, 6, 2010-2019.	10.0	127
14715	Structural Units and Their Periodicity in Carbon Nanotubes. <i>Small</i> , 2010, 6, 2526-2529.	10.0	4
14716	Comparative study of the clastogenicity of functionalized and nonfunctionalized multiwalled carbon nanotubes in bone marrow cells of Swiss Webster mice. <i>Environmental Toxicology</i> , 2010, 25, 608-621.	4.0	90
14717	[80]Fullerene–amino acid interactions: Theoretical insights. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 953-959.	2.0	12
14718	Endo[metallo] SWNT–amino acid interactions: A theoretical study. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 831-837.	2.0	4
14719	Energetic stability of boron nitride nanostructures doped with one carbon atom. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 1778-1783.	2.0	6
14720	A computational study of aluminum phosphide nanotubes. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 3851-3855.	2.0	3
14721	Electrochemical fabrication and capacitance of composite films of carbon nanotubes and polyaniline. <i>Surface and Interface Analysis</i> , 2010, 42, 1266-1270.	1.8	29
14722	Tuning Array Morphology for High-Strength Carbon Nanotube Fibers. <i>Small</i> , 2010, 6, 132-137.	10.0	79
14723	Mimicking Electrodeposition in the Gas Phase: A Programmable Concept for Selected-Area Fabrication of Multimaterial Nanostructures. <i>Small</i> , 2010, 6, 1117-1124.	10.0	14
14724	Graphene Oxide, Highly Reduced Graphene Oxide, and Graphene: Versatile Building Blocks for Carbon-Based Materials. <i>Small</i> , 2010, 6, 711-723.	10.0	2,449
14725	Functionalized Carbon Nanotube Sheet/Bismaleimide Nanocomposites: Mechanical and Electrical Performance Beyond Carbon Fiber Composites. <i>Small</i> , 2010, 6, 763-767.	10.0	175
14726	TiO ₂ Nano Test Tubes as a Self-Cleaning Platform for High-Sensitivity Immunoassays. <i>Small</i> , 2010, 6, 1180-1184.	10.0	78
14727	Characterization of Peptide Nanostructure-Modified Electrodes and Their Application for Ultrasensitive Environmental Monitoring. <i>Small</i> , 2010, 6, 825-831.	10.0	75

#	ARTICLE	IF	CITATIONS
14728	Diameter- and Metallicity-Selective Enrichment of Single-Walled Carbon Nanotubes Using Polymethacrylates with Pendant Aromatic Functional Groups. <i>Small</i> , 2010, 6, 1311-1320.	10.0	14
14729	Synthesis of poly(<i>p</i> -phenylenediamine-co- <i>o</i> -aminophenol)/multi-walled carbon nanotube composites by emulsion polymerization. <i>Polymers for Advanced Technologies</i> , 2010, 21, 881-887.	3.2	9
14730	Dispersion of multiwalled carbon nanotubes in thermoplastic elastomer gels: Morphological, rheological, and electrical properties. <i>Polymer Composites</i> , 2010, 31, 210-217.	4.6	11
14731	DC and AC conductivity in epoxy resin/multiwall carbon nanotubes percolative system. <i>Polymer Composites</i> , 2010, 31, 1874-1880.	4.6	53
14732	A facile synthesis method of nickel nanotubes assisted by polyethylene glycol. <i>Polymer Engineering and Science</i> , 2010, 50, 43-47.	3.1	8
14733	Effects of carbon nanotubes and their state of dispersion on the anionic polymerization of ϵ -caprolactam: 1. Calorimetry. <i>Polymer Engineering and Science</i> , 2010, 50, 2287-2297.	3.1	5
14734	Electrophoretic Codeposition of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$ and Carbon Nanotubes for Developing Composite Cathodes for Intermediate Temperature Solid Oxide Fuel Cells. <i>International Journal of Applied Ceramic Technology</i> , 2010, 7, 30-40.	2.1	16
14735	Single-Crystalline InVO_4 Nanotubes by Self-Template-Directed Fabrication. <i>Journal of the American Ceramic Society</i> , 2010, 93, 596-600.	3.8	6
14736	Synthesis of Nanotube Array Composed of an Amorphous Matrix Embedded with NaCl-Type SiC Crystallites by Chemical Vapor Infiltration Techniques. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1557-1560.	3.8	0
14737	The reaction conditions influence on hydrothermal synthesis of boehmite nanorods. <i>Inorganic Materials</i> , 2010, 46, 953-958.	0.8	14
14738	Effect of morphology of catalyst thin film on carbon nanotube growth. <i>Inorganic Materials</i> , 2010, 46, 1072-1076.	0.8	2
14739	Computer simulation of AgI nanostructures in single-wall carbon nanotubes. <i>Inorganic Materials</i> , 2010, 46, 1375-1383.	0.8	1
14740	Nanoscale patchworks. <i>Nature Materials</i> , 2010, 9, 379-380.	27.5	65
14741	A new spin on spintronics. <i>Nature Materials</i> , 2010, 9, 380-381.	27.5	56
14742	The era of carbon allotropes. <i>Nature Materials</i> , 2010, 9, 868-871.	27.5	940
14743	Green carbon as a bridge to renewable energy. <i>Nature Materials</i> , 2010, 9, 871-874.	27.5	131
14744	Graphene transistors. <i>Nature Nanotechnology</i> , 2010, 5, 487-496.	31.5	4,822
14745	Phase transitions in confined water nanofilms. <i>Nature Physics</i> , 2010, 6, 685-689.	16.7	261

#	ARTICLE	IF	CITATIONS
14746	Uniaxially Aligned Poly(p-phenylene vinylene) and Carbon Nanofiber Yarns through Electrospinning of a Precursor. , O, , .		0
14747	pH Dependent Hydrothermal Synthesis and Photoluminescence of Gd ₂ O ₃ :Eu Nanostructures. , O, , .		4
14748	Carbon Nanofibers as Macro-Structured Catalytic Support. , O, , .		1
14749	Analysis of thermal conductance of carbon nanotubes. EPJ Applied Physics, 2010, 51, 10602.	0.7	0
14750	Carbon Nanotube-Nanoparticle Hybrid Structures. , 2010, , .		4
14751	Influence of Addition of Thermoplastic Elastomer on Mechanical and Tribological Properties of Vapor-Grown-Carbon-Fiber Filled Polybutylene Terephthalate Composites. Seikei-Kakou, 2010, 22, 35-47.	0.0	2
14753	Electric Contact Characteristic under Low Load of Silver-“Carbon Nanotube Composite Plating Film Corroded Using H ₂ S Gas. Applied Physics Express, 2010, 3, 065801.	2.4	11
14756	The Unlikely Surfactant: DNA as a Ligand for Single-Walled Carbon Nanotubes. , O, , .		1
14757	Amperimetric Biosensor Based on Carbon Nanotube and Plasma Polymer. , O, , .		1
14758	In Situ Probing of Oxygen-Containing Groups on Acid-treated Carbon Nanofibers using Aromatic Molecules. , O, , .		0
14759	Solid Phase (Micro)extraction Tools Based on Carbon Nanotubes and Related Nanostructures. , O, , .		1
14761	Techno-economics of carbon nanotubes produced by open air arc discharge method. International Journal of Engineering, Science and Technology, 2010, 2, .	0.6	20
14762	Constant-Pressure Molecular-Dynamics Study of Carbon Nanotubes and Electronic Structure of New Phases. Japanese Journal of Applied Physics, 2010, 49, 02BB05.	1.5	4
14763	Continuous production of carbon nanotubes and diamond films by swirled floating catalyst chemical vapour deposition method. South African Journal of Science, 2010, 105, .	0.7	3
14764	Flexible Field Emitters Based on Carbon Nanotubes and Other Materials. , 2010, , 129-158.		0
14765	Carbon Nanotube Supercapacitors. , O, , .		15
14766	Preparation of Dispersed Platinum Nanoparticles on a Carbon Nanostructured Surface Using Supercritical Fluid Chemical Deposition. Materials, 2010, 3, 1559-1572.	2.9	29
14767	A review on carbon nanotubes in an environmental protection and green engineering perspective. Brazilian Journal of Chemical Engineering, 2010, 27, 227-242.	1.3	146

#	ARTICLE	IF	CITATIONS
14768	1D Nanomaterials. Journal of Nanomaterials, 2010, 2010, 1-3.	2.7	4
14769	Structure and Characterization of Vertically Aligned Single-Walled Carbon Nanotube Bundles. Journal of Nanomaterials, 2010, 2010, 1-7.	2.7	3
14770	Deformation, Vibration, Buckling of Continuum Nanotorus. Journal of Nanomaterials, 2010, 2010, 1-6.	2.7	3
14771	Theoretical Studies of Substitutionally Doped Single-Walled Nanotubes. Journal of Nanotechnology, 2010, 2010, 1-42.	3.4	12
14772	Metal Nanoparticles and Carbon-Based Nanostructures as Advanced Materials for Cathode Application in Dye-Sensitized Solar Cells. International Journal of Photoenergy, 2010, 2010, 1-15.	2.5	57
14773	Hybrid Carbon Fibers/Carbon Nanotubes Structures for Next Generation Polymeric Composites. Journal of Nanotechnology, 2010, 2010, 1-9.	3.4	19
14774	Progress in Studies on Carbon and Silicon Carbide Nanocomposite Materials. Journal of Nanomaterials, 2010, 2010, 1-4.	2.7	3
14775	Fabrication and Characterization of LaCoO ₃ Nanofibers via an Electrospinning Technique. International Journal of Chemistry, 2010, 2, .	0.3	1
14776	Wave Propagation in Carbon Nanotubes. , 0, , .		1
14777	Synthesis of carbon nanotubes via chemical vapor deposition by using rareearth metals as catalysts. Polish Journal of Chemical Technology, 2010, 12, 29-32.	0.5	6
14779	Chemical Vapour Deposition of CNTs Using Structural Nanoparticle Catalysts. , 2010, , .		0
14780	Properties of Carbon Nanotubes under External Factors. , 0, , .		0
14781	Gas Sensors Based on Decorated Carbon Nanotubes. , 2010, , .		2
14782	Suspended Carbon Nanotubes: Applications in Physical Sensors and Actuators. , 0, , .		0
14783	Study of Carbon NanoTube Field Effect Transistors for NEMS. , 0, , .		1
14784	Nucleic Acid Interaction and Interfaces with Single-Walled Carbon Nanotubes. , 2010, , .		3
14785	Nanorobotic Strategy for Nondestructive Mechanical Characterization of Carbon Nanotubes. Micro and Nanosystems, 2010, 2, 32-37.	0.6	14
14786	Fabrication of Ceramic Nanofibers Using Atrane Precursor. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
14787	Concise Route to Water-Soluble Multi-Walled Carbon Nanotubes. Current Nanoscience, 2010, 6, 54-58.	1.2	4
14788	Numerical Modeling of the I-V Characteristics of Carbon Nanotube Field Effect Transistors. , 2010, , .		1
14789	Carbon Nanotube Field Emitters. , 0, , .		6
14790	Microwave Dielectric Properties of Carbon Nanotube Composites. , 0, , .		8
14791	Torsional vibration of carbon nanotubes under initial compression stress. Brazilian Journal of Physics, 2010, 40, 283-287.	1.4	19
14792	Imogolite Reinforced Nanocomposites: Multifaceted Green Materials. Materials, 2010, 3, 1709-1745.	2.9	44
14793	Investigating the Effect of Stone-Wales Defect on Young Modulus of Armchair Single Wall Carbon Nanotube Using Molecular Dynamics Simulation. , 2010, , .		1
14794	Optical Deposition of Carbon Nanotubes for Fiber-based Device Fabrication. , 2010, , .		8
14795	Fundamental Physical Aspects of Carbon Nanotube Transistors. , 2010, , .		12
14796	Carbon Nanotubes Based Transistors as Gas Sensors: Patent Review. Recent Patents on Electrical Engineering, 2010, 3, 55-65.	0.4	2
14797	STUDY OF PRISTINE CARBON NANOTUBE UNDER TENSILE AND COMPRESSIVE LOADS USING MOLECULAR DYNAMICS SIMULATION. Journal of the Institution of Engineers, Bangladesh, 2010, 40, 72-78.	0.5	2
14798	Study on the Microwave Permeability of the CNT Complex in 2-18GHz. Applied Physics Research, 2010, 2, .	0.0	3
14800	High-Density Short-Height Directly Grown CNT Patterned Emitter on Glass. E-Journal of Surface Science and Nanotechnology, 2010, 8, 336-339.	0.4	5
14801	Deformation-Induced Electronic Structure Changes in Boron Nitride Nanotubes. Zairyo/Journal of the Society of Materials Science, Japan, 2010, 59, 604-609.	0.2	1
14802	Hydrothermal Synthesis and Characterization of PbTiO ₃ Microrods. Advanced Materials Research, 0, 148-149, 903-906.	0.3	0
14803	Advances in nanoparticle reinforcement in structural adhesives. , 2010, , 151-182.		11
14804	Selective Growth of Silicon Nanowires on Glass Substrate with an Ultrathin a-Si:H Layer. Electrochemical and Solid-State Letters, 2010, 13, K29.	2.2	3
14805	Catalyst Synthesis of Carbon Nanotubes by Substrate Method. Advanced Materials Research, 0, 129-131, 1331-1335.	0.3	0

#	ARTICLE	IF	CITATIONS
14806	Adsorption and Phase Behaviour in Nanochannels and Nanotubes. , 2010, , .		23
14807	Carbon nanotubes for next generation very large scale integration interconnects. Journal of Nanophotonics, 2010, 4, 041690.	1.0	42
14808	Synthesis of Stainless Steel/CNTs Nanocomposite Powders. Advanced Materials Research, 0, 93-94, 181-184.	0.3	1
14809	Coatings for technical textile yarns. , 2010, , 140-184.		13
14810	Morphology and thermal behavior of polymer/carbon nanotube composites. , 2010, , 529-562.		2
14811	Dispersing and Functionalizing Carbon Nanotubes Using Conjugated Block Copolymers. ACS Symposium Series, 2010, , 95-121.	0.5	1
14812	The Effect of Electron Irradiation on the Mechanical Properties of MWCNT/Carbon Fiber Reinforced Hybrid Nanocomposites. Materials Science Forum, 2010, 659, 91-95.	0.3	1
14813	The Effects of Different Defects on Buckling Behavior of Single-Walled Carbon Nanotubes. Advanced Materials Research, 2010, 97-101, 3749-3752.	0.3	1
14814	Controlling Physical Properties of Cementitious Matrixes by Nanomaterials. Advanced Materials Research, 0, 123-125, 639-642.	0.3	17
14815	Mechanics of Turbostratic Carbon Nanotubes Filled with Ga-Doped ZnS. Materials Science Forum, 0, 636-637, 665-670.	0.3	1
14816	Microwave Absorption Properties of Nano-Iron Epoxy Resin-Based Composite Material. Key Engineering Materials, 0, 434-435, 796-798.	0.4	0
14817	Polarized Raman Characterization of (2,2) Carbon Nanotubes Formed inside the Channels of AEL Crystals. Advanced Materials Research, 2010, 160-162, 1596-1600.	0.3	0
14818	Trace Addition of Ammonia and Water on the Growth of Carbon Nanotubes Prepared by PECVD Method. Materials Science Forum, 0, 663-665, 1277-1280.	0.3	0
14819	Hybrid Effect of Carbon Fiber on Piezoresistivity of Carbon Nanotube Cement-Based Composite. Advanced Materials Research, 2010, 143-144, 639-643.	0.3	10
14820	Dispersion Improvement of Carbon Nanotubes in Epoxy Resin Using Amphiphilic Block Copolymers. Advanced Materials Research, 0, 112, 29-36.	0.3	9
14821	Study on Mechanical Properties and Physical Properties of Copper Based Electrical Contact Materials Reinforced by CNT. Advanced Materials Research, 2010, 139-141, 67-71.	0.3	0
14822	Carbon Nanotubes: A Solution for Processing Smart Biomaterials. Key Engineering Materials, 2010, 441, 3-29.	0.4	5
14823	Synthesis of Carbon Nanotubes on Zeolite Substrate of Type ZSM-5. Materials Science Forum, 2010, 636-637, 722-728.	0.3	0

#	ARTICLE	IF	CITATIONS
14824	Preparation and Electrochemical Performance of Externally Doped Sulfonated Polyaniline/Multiwalled Carbon Nanotube Composites. Journal of the Electrochemical Society, 2010, 157, K15.	2.9	8
14825	Equipment and techniques for carbon nanotube research. Physics-Uspekhi, 2010, 53, 257-277.	2.2	5
14826	Tuning Bandgap of Si-C Heterofullerene-Based Nanotubes by H Adsorption. Chinese Physics Letters, 2010, 27, 097101.	3.3	0
14827	Electrodeposition of Ni-P Alloy-Multiwalled Carbon Nanotube Composite Films. Journal of the Electrochemical Society, 2010, 157, D50.	2.9	25
14828	Theory of Carbon Nanotubes as Optical Nano Waveguides. Journal of Electromagnetic Analysis and Applications, 2010, 02, 672-676.	0.2	8
14829	Optical power limiting and nonlinear absorption effects of polymer functionalized carbon nanotube thin films. Optical Engineering, 2010, 49, 063801.	1.0	5
14830	Electrochemical Sensing of H ₂ O ₂ at Flavin Adenine Dinucleotide/Chitosan/CNT Nanocomposite Modified Electrode. Electrochemical and Solid-State Letters, 2010, 13, K83.	2.2	10
14831	Effects of hydrogen pretreatment on physical-vapor-deposited nickel catalyst for multi-walled carbon nanotube growth. Journal of Nanophotonics, 2010, 4, 049502.	1.0	2
14832	The calculation of energy gaps in small single-walled carbon nanotubes within a symmetry-adapted tight-binding model. Chinese Physics B, 2010, 19, 127104.	1.4	7
14833	Preparation of EG-g-MWCNTs and Antistatic Poly(Ethylene Terephthalate) Nanocomposites. Advanced Materials Research, 0, 150-151, 1017-1021.	0.3	0
14834	Carbon Nanostructures Produced by an AC Arc Discharge. Materials Science Forum, 0, 638-642, 1766-1771.	0.3	8
14835	Effect of Multi-Wall Carbon Nanotube on Fracture Mechanical Property of Cement-Based Composite. Advanced Materials Research, 0, 146-147, 581-584.	0.3	12
14836	Influence of Multi-Walled Carbon Nanotubes on the Mechanical Properties of Nanocomposites. Advanced Materials Research, 2010, 139-141, 9-12.	0.3	3
14837	Synthesis of the Novel Porous Carbon Nanotubes. Advanced Materials Research, 0, 96, 241-243.	0.3	2
14838	Effects of H ₂ O Addition on One-Step Liquid-Phase Synthesis of Highly Aligned Carbon Nanotubes. Key Engineering Materials, 2010, 445, 201-204.	0.4	6
14839	Manufacturing of Hybrid Composites and Novel Methods to Synthesize Carbon Nanoparticles. Materials Research Society Symposia Proceedings, 2010, 1276, 1.	0.1	4
14841	Synthesis and Characterization of Titanium Dioxide Nanotubes for Photocatalytic Degradation of Aqueous Nitrobenzene in the Presence of Sunlight. Materials Science Forum, 0, 657, 62-74.	0.3	26
14842	Tuning the electronic properties of armchair carbon nanoribbons by a selective boron doping. Journal of Physics Condensed Matter, 2010, 22, 505302.	1.8	11

#	ARTICLE	IF	CITATIONS
14843	Dendritic Macromolecules: New Possibilities for Advanced Bioceramics. Key Engineering Materials, 2010, 441, 235-267.	0.4	2
14844	Micro-Raman study of the role of sterilization on carbon nanotubes for biomedical applications. Nanomedicine, 2010, 5, 209-215.	3.3	21
14845	Site-Selective Cutting of Carbon Nanotubes by Laser Heated Silicon Tip. Japanese Journal of Applied Physics, 2010, 49, 025003.	1.5	3
14846	Attempt to Synthesize Carbon Nanotube by a Thermal Reduction of Ether. Advanced Materials Research, 0, 92, 29-33.	0.3	0
14847	Thermal vibration of carbon nanotubes predicted by beam models and molecular dynamics. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2010, 466, 2325-2340.	2.1	34
14848	Study on Current Transform Features of Single-Molecule C ₆₀ ; Based on Band Theory. Advanced Materials Research, 0, 148-149, 837-840.	0.3	0
14849	Synthesis of TiO ₂ /Muti-Walled Carbon Nanotubes Composite. Key Engineering Materials, 0, 434-435, 546-548.	0.4	1
14850	Cement-Based Composite with Carbon Nanotubes Reinforcement Tailored for Structural Damping. Advanced Materials Research, 0, 150-151, 526-529.	0.3	0
14851	Strength Enhancement of Cement Mortar with Carbon Nanotubes. Transportation Research Record, 2010, 2142, 102-108.	1.9	39
14852	Thermal Conductivity of Sm ₂ Zr ₂ O ₇ -Carbon Nanotube Composite. Advanced Materials Research, 0, 105-106, 398-402.	0.3	0
14853	Temperature Effects on Synthesis of Multi-Walled Carbon Nanotubes by Ethanol Catalyst Chemical Vapor Deposition. Advanced Materials Research, 0, 123-125, 799-802.	0.3	4
14854	A Note on Reinforcement of Polymer Matrix Composites Using Carbon Residues Derived From Woody Biomass. Journal of Composite Materials, 2010, 44, 1883-1892.	2.4	2
14855	Mechanical and Dilatometric Properties of Carboxylated SWCNT/Epoxy Composites: Effects of the Dispersion in the Resin and in the Hardener. Journal of Reinforced Plastics and Composites, 2010, 29, 524-530.	3.1	24
14856	Capacitive and ohmic RF NEMS switches based on vertical carbon nanotubes. International Journal of Microwave and Wireless Technologies, 2010, 2, 433-440.	1.9	4
14857	Low-temperature fabrication and characterization of ion-induced Ge nanostructures. , 2010, , .		0
14858	Synthesis of bamboo-like carbon nanotubes using the pyrolysis flame. , 2010, , .		0
14859	Simulation of plasma during arc discharge ablation for the synthesis of carbon nanotubes. , 2010, , .		1
14860	Nanostructured Ceramic Materials for Chemical Sensors: Present Status and Future Prospects. Transactions of the Indian Ceramic Society, 2010, 69, 1-23.	1.0	13

#	ARTICLE	IF	CITATIONS
14861	Optimization of Carbon Nanotubes Synthesis via Methane Decomposition over Alumina-Based Catalyst. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 273-284.	2.1	16
14862	Effects of End Termination on Electronic Transport in a Molecular Switch. Chinese Physics Letters, 2010, 27, 027304.	3.3	3
14863	A general surface-treatment-free approach to fabrication of alignment layers using a super-aligned carbon nanotube film template. Chinese Physics B, 2010, 19, 088104.	1.4	2
14864	Structural, curvature and electronic properties of Rh adsorption on armchair single-walled carbon nanotube. Chinese Physics B, 2010, 19, 097104.	1.4	7
14865	Electronic transport properties of the armchair silicon carbide nanotube. Journal of Semiconductors, 2010, 31, 114003.	3.7	9
14866	Effect of Carboxylic Functional Group Functionalized on Carbon Nanotubes Surface on the Removal of Lead from Water. Bioinorganic Chemistry and Applications, 2010, 2010, 1-9.	4.1	184
14867	Rainbows in Channeling of 1 GeV Protons in a Bent Very Short (11,9) Single-wall Carbon Nanotube. International Journal of Nonlinear Sciences and Numerical Simulation, 2010, 11, .	1.0	8
14868	The Preparation and Properties of PEN/MWNT Nanocomposites. Journal of Composite Materials, 2010, 44, 2453-2460.	2.4	6
14869	Mechanical Properties of Single-Walled Carbon Nanotubes under Large Axial Deformation. Advanced Materials Research, 0, 97-101, 3910-3915.	0.3	0
14870	Nanoindentation of Multi-Wall CNT Reinforced Al Composites. Key Engineering Materials, 2010, 447-448, 549-553.	0.4	7
14871	DNA-Based Applications in Nanobiotechnology. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-15.	3.0	36
14872	Schrödinger Operator on the Zigzag Half-Nanotube in Magnetic Field. Mathematical Modelling of Natural Phenomena, 2010, 5, 175-197.	2.4	6
14873	Fracture Toughness of CNTs/AlN Ceramics Tested by Indentation. Advanced Materials Research, 0, 177, 151-153.	0.3	0
14874	High Resolution Electron Microscopy: A Powerful Tool to Characterize Nanotubes. Key Engineering Materials, 0, 441, 95-119.	0.4	0
14875	Self-Sensing Property of Cementitious Nanocomposites Hybrid with Nanophase Carbon Nanotube and Carbon Black. Advanced Materials Research, 0, 143-144, 644-647.	0.3	5
14876	A Continuum Model of the Van der Waals Interface for Determining the Critical Diameter of Nanopumps and its Application to Analysis of the Vibration and Stability of Nanopump Systems. International Journal of Nonlinear Sciences and Numerical Simulation, 2010, 11, .	1.0	8
14877	An oscillator in a carbon peapod controllable by an external electric field: a molecular dynamics study. Nanotechnology, 2010, 21, 035704.	2.6	13
14878	Nanotechnology for Electronics, Photonics, and Renewable Energy. Nanostructure Science and Technology, 2010, , .	0.1	11

#	ARTICLE	IF	CITATIONS
14879	Electrostatic Force Microscopy and Kelvin Force Microscopy as a Probe of the Electrostatic and Electronic Properties of Carbon Nanotubes. <i>Nanoscience and Technology</i> , 2010, , 89-128.	1.5	21
14880	Third Neighbor Analytic Tight-Binding Solutions for Electronic Structure of Carbon Nanosystems. <i>Materials Science Forum</i> , 0, 659, 197-202.	0.3	0
14881	New developments in the medicinal chemistry of carboranes. <i>Collection of Czechoslovak Chemical Communications</i> , 2010, 75, 995-1022.	1.0	41
14882	Synthesis of Well-Aligned Multi-Walled Carbon Nanotubes by Floating Catalyst Chemical Vapor Deposition. <i>Advanced Materials Research</i> , 2010, 123-125, 795-798.	0.3	0
14883	Changing the Surface Characteristics of CNF, from Hydrophobic to Hydrophilic, via Plasma Polymerization with Acrylic Acid. <i>Journal of Nano Research</i> , 0, 9, 45-53.	0.8	8
14884	Challenges for Nanoscale MOSFETs and Emerging Nanoelectronics. <i>Transactions on Electrical and Electronic Materials</i> , 2010, 11, 93-105.	1.9	197
14885	Hydrogen storage in BC 3 composite single-walled nanotube: a combined density functional theory and Monte Carlo investigation. <i>Chinese Physics B</i> , 2010, 19, 036103.	1.4	7
14886	Self-assembling nanosphere lithography process for gated carbon nanotube field emission arrays. , 2010, , .		0
14887	Property and Microstructure of CNTs/AlN Ceramics. <i>Key Engineering Materials</i> , 2010, 434-435, 48-49.	0.4	1
14888	Electronic transport properties of an (8, 0) carbon/boron nitride nanotube heterojunction. <i>Chinese Physics B</i> , 2010, 19, 037104.	1.4	7
14889	<i>Ab initio</i> investigation of boron nanodevices: conductances of the different geometric conformations. <i>Chinese Physics B</i> , 2010, 19, 017201-5.	1.4	6
14890	Effect of temperature and role of Mo top layer on the growth of carbon nanotubes. <i>Journal of Family Business Management</i> , 2010, 1, 015010.	3.4	9
14891	Light-Induced Agglomeration and Diffusion of Different Particles with Optical Tweezers. <i>Chinese Physics Letters</i> , 2010, 27, 098101.	3.3	1
14892	Nanometer displacement measurement of a multiwalled carbon nanotube cantilever under aqueous conditions. <i>Measurement Science and Technology</i> , 2010, 21, 085104.	2.6	3
14893	On the determination of the nonlinearity from localized measurements in a reactionâ€“diffusion equation. <i>Nonlinearity</i> , 2010, 23, 675-686.	1.4	19
14894	A motion-based integer ambiguity resolution method for attitude determination using the global positioning system (GPS). <i>Measurement Science and Technology</i> , 2010, 21, 065102.	2.6	14
14895	Influence of Acid-Treated Carbon Nano-Tubes on the Microstructure and Properties of Carbon Nano-Tubes Polyurethane Composites. <i>Advanced Materials Research</i> , 0, 146-147, 805-809.	0.3	0
14896	Effects of Sampling Substrate for Carbon Nanotubes Synthesis. <i>Advanced Materials Research</i> , 0, 129-131, 1341-1345.	0.3	0

#	ARTICLE	IF	CITATIONS
14897	Nanomaterial-Based Piezoelectric Actuators and Sensors. , 2010, , 419-461.		2
14898	On Application of Plasmas in Nanotechnologies. Nanostructure Science and Technology, 2010, , 85-130.	0.1	5
14899	Tuning Carbon Nanotubes Through Poor Metal Addition to Iron Catalysts in CVD. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 37-44.	2.1	6
14900	Driving Forces and Consequences of the Adsorption of Proteins to Carbon Nanotubes. Key Engineering Materials, 0, 441, 75-94.	0.4	3
14901	Carbon Nanotubes <i>In Vitro&/i> and <i>In Vivo&/i> Biological Effects. Advances in Science and Technology, 0, , .	0.2	0
14902	Enhanced formation on specific topological defects in interstellar graphenic dust grain models. Physical Review B, 2010, 82, .	3.2	10
14903	Metamaterial high pass filter based on periodic wire arrays of multiwalled carbon nanotubes. Applied Physics Letters, 2010, 97, 163102.	3.3	53
14904	Application of non-equilibrium plasmas in top-down and bottom-up nanotechnologies and biomedicine. , 2010, , .		1
14906	Density functional theory study of BN-doped graphene superlattice: Role of geometrical shape and size. Journal of Applied Physics, 2010, 108, .	2.5	93
14907	Adsorption behavior of phenol on residual soil - Multiwalled carbon nanotubes mixtures. , 2010, , .		2
14908	Large current emission from carbon nanotubes on metal substrates by chemical-vapor deposition. , 2010, , .		0
14909	Low-dimensional carbon nanostructures performed by cleaving of highly ordered pyrolytic graphite wafer. , 2010, , .		0
14910	Nanoscale welding of MWCNTs for nanodevice applications. , 2010, , .		0
14911	Bistability, softening, and quenching of magnetic moments in Ni-filled carbon nanotubes. Physical Review B, 2010, 81, .	3.2	14
14912	Communications: Nanomagnetic shielding: High-resolution NMR in carbon allotropes. Journal of Chemical Physics, 2010, 132, 021102.	3.0	9
14913	A direct comparison of single-walled carbon nanotubes and quantum-wells based subpicosecond saturable absorbers for all optical signal regeneration at 1.55â€¦m. Applied Physics Letters, 2010, 96, .	3.3	12
14914	Theory of pseudospin excitations in coaxial nanotubes. Physical Review B, 2010, 81, .	3.2	2
14915	Simulation of thermal conductance across dimensionally mismatched graphene interfaces. Journal of Applied Physics, 2010, 108, .	2.5	27

#	ARTICLE	IF	CITATIONS
14916	Different growth mechanisms of vertical carbon nanotubes by rf- or dc-plasma enhanced chemical vapor deposition at low temperature. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, 1081-1085.	1.2	9
14917	Coupled oscillations of double-walled carbon nanotubes. Journal of Applied Physics, 2010, 107, 094310.	2.5	5
14918	The coupled vibration of fluid-filled multiwalled carbon nanotubes with intertube deformation. Journal of Applied Physics, 2010, 108, 114307.	2.5	2
14919	Quantum conductance in nanotube-ribbon hybrids. Journal of Applied Physics, 2010, 107, 063714.	2.5	4
14920	Fabrication and Characterization of HA-ZrO ₂ -MWCNT Ceramic Composites. Journal of Composite Materials, 2010, 44, 871-882.	2.4	14
14921	Infrared phonon anomaly of one-dimensional metallic peanut-shaped C60 polymer. Applied Physics Letters, 2010, 97, .	3.3	17
14922	Direct growth of carbon nanofibers on metal mesh substrates by ion irradiation method. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C2C9-C2C12.	1.2	9
14923	Electronic structure and contact resistance at an open-end carbon nanotube and copper interface. Applied Physics Letters, 2010, 96, .	3.3	29
14924	The Biological Toxicity of Ferrite NanoNi-Zn Materials on Blood and Cells. , 2010, , .		1
14925	Multifunctional vectors system for cancer therapy using single-walled carbon nanotubes and antisense oligonucleotide-modified gold nanoparticles composite materials. , 2010, , .		0
14926	Preparation of carbon nanofibers using ferric nitrate from the V-type pyrolysis flame. , 2010, , .		0
14927	Determination of the chiralities of isolated carbon nanotubes during superplastic elongation process. Applied Physics Letters, 2010, 97, .	3.3	19
14928	Carbon nanotube electrodes for electrochemiluminescence biosensors. , 2010, 2010, 2722-5.		0
14929	Photodegradation Processes In Polymeric Materials. , 0, , 569-601.		7
14930	Evaluation of a cesium iodide photocathode assisted with MgO-coated multiwall carbon nanotubes. Applied Physics Letters, 2010, 96, 141109.	3.3	3
14931	General hypothesis and shell model for the synthesis of semiconductor nanotubes, including carbon nanotubes. Journal of Applied Physics, 2010, 108, 064323.	2.5	14
14932	Observation of ferromagnetism in PdCo alloy nanoparticles encapsulated in carbon nanotubes. Applied Physics Letters, 2010, 96, 253114.	3.3	11
14933	Low temperature synthesis and field emission of carbon nanotubes using radio frequency plasma enhanced CVD. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
14934	Carbon nanotube-induced chirality in an achiral liquid crystal. Applied Physics Letters, 2010, 97, 121908.	3.3	38
14935	Intense pulsed field emission of carbon nanotube film grown on electroless plated Ni substrate. , 2010, , .		0
14936	Phase stability of carbon clathrates at high pressure. Journal of Applied Physics, 2010, 107, .	2.5	31
14937	Effects of Subchronic Exposure to Multi-Walled Carbon Nanotubes on Mice. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 463-470.	2.3	42
14938	Fabrication and electrochemical characterization of multi-walled carbon nanotubes film on a titanium mesh electrode. , 2010, , .		0
14939	Novel properties of boron nitride nanotubes encapsulated with Fe, Co, and Ni nanoclusters. Journal of Chemical Physics, 2010, 132, 164704.	3.0	21
14940	The study of growing CNTs with specific structure using the intelligent control MPCVD system. , 2010, , .		0
14941	Hydrogenation of Multi-Walled Carbon Nanotubes in Ethylenediamine. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 14-23.	2.1	13
14942	A comparison between physical properties of carbon black-polymer and carbon nanotubes-polymer composites. Journal of Applied Physics, 2010, 108, .	2.5	74
14943	Determination of Cytotoxicity Attributed to Multiwall Carbon Nanotubes (MWCNT) in Normal Human Embryonic Lung Cell (WI-38) Line. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 1521-1529.	2.3	42
14944	Water-Dispersible Multi-Walled Carbon Nanotubes and Novel Hybrid Nanostructures. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2010, 40, 216-224.	0.6	9
14945	Coating geometries of metals on single-walled carbon nanotubes. Applied Physics Letters, 2010, 96, .	3.3	37
14946	P2–7: Pulsed thermionic emission from carbon nanotube fibers. , 2010, , .		0
14947	Hydrogen sensors based on Pd-functionalized Single-walled carbon nanotubes. , 2010, , .		0
14948	Structural, magnetic, and electronic properties of $\frac{Ni}{Ni_2Fe}$ nanotubes. Physical Review B, 2010, 81, .	3.2	44
14949	Morphological, Thermal, and Electrical Characterization of Syndiotactic Polypropylene/Multiwalled Carbon Nanotube Composites. Journal of Macromolecular Science - Physics, 2010, 49, 1044-1056.	1.0	16
14950	Helical Nanotube Structures of $\frac{MoS_2}{MoS_2}$ with Intrinsic Twisting: An Objective Molecular Dynamics Study. Physical Review Letters, 2010, 104, 065502.	7.8	51
14951	Performance of F-CNTs sensors towards ethanol vapor using different functional groups. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
14952	The quantum effects on the transmission properties of periodic rod array. , 2010, , .		2
14953	Morphology of vacancy aggregates in carbon nanotubes: Thinning control due to interwall interaction. Physical Review B, 2010, 81, .	3.2	2
14954	A model for THz silicon nanotube transistor. , 2010, , .		2
14955	Relaxation of geometrical frustration in NbSe_3 crystals. Physical Review B, 2010, 82, .	3.2	6
14957	Structural change of ion-induced carbon nanofibers by electron current flow. , 2010, , .		0
14958	Electronic and optical properties of carbon nanotubes under pure bending. Physical Review B, 2010, 82, .	3.2	21
14959	Metastable polymeric nitrogen nanotube from a zigzag sheet phase and first-principles calculations. Physical Review B, 2010, 82, .	3.2	11
14960	Thermally Induced Local Failures in Quasi-One-Dimensional Systems: Collapse in Carbon Nanotubes, Necking in Nanowires, and Opening of Bubbles in DNA. Physical Review Letters, 2010, 104, 025503.	7.8	10
14961	Simulation study of the in-plane-type triode carbon nanotube emitter. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, 878-881.	1.2	5
14962	Multishell Intermetallic Onions by Symmetrical Configuration of Ordered Domains. Physical Review Letters, 2010, 105, 225501.	7.8	4
14963	FREQUENCY-DEPENDENT NONLINEAR CURRENT OSCILLATION AND CHAOTIC DYNAMICS IN SEMICONDUCTING CARBON NANOTUBES. Modern Physics Letters B, 2010, 24, 1943-1950.	1.9	1
14964	Flexible Chemical Sensors. , 2010, , 247-273.		2
14965	Flexible Energy Storage Devices Using Nanomaterials. , 2010, , 227-245.		4
14966	Macroscopic Behavior of Carbon Nanotube (CNT)-Reinforced Composite Accounting for Interface Cohesive Force. Journal of Adhesion, 2010, 86, 273-289.	3.0	9
14967	Single- and Multi-Wall Carbon Nanotubes Versus Asbestos: Are the Carbon Nanotubes a New Health Risk to Humans?. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 378-395.	2.3	136
14968	Cu-MWCNT Composite Films Fabricated by Electrodeposition. Journal of the Electrochemical Society, 2010, 157, D147.	2.9	79
14969	Topological Relationship Between Wiener, Padmakar-Ivan, and Szeged Indices and Energy and Electric Moments in Armchair Polyhex Nanotubes with the Same Circumference and Varying Lengths. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 72-86.	2.1	11
14970	Synthesis and Spectroscopic Properties of Porphyrin Derivatives of C60. Molecular Crystals and Liquid Crystals, 2010, 521, 253-264.	0.9	3

#	ARTICLE	IF	CITATIONS
14971	THE EFFECT OF DIFFERENT SOLVENTS AND TEMPERATURES ON STABILITY OF SINGLE-WALLED CARBON NANOTUBE: A QM/MD STUDY. International Journal of Nanoscience, 2010, 09, 517-529.	0.7	25
14972	Synthesis and characterization of carbon nanotubes from the V-type pyrolysis flame. , 2010, , .		0
14973	Nanomanipulation of 2 inch wafer fabrication of vertically aligned carbon nanotube arrays by nanoimprint lithography. , 2010, , .		0
14974	First-principles study of CN carbon nitride nanotubes. Nanotechnology, 2010, 21, 195702.	2.6	19
14975	Enhanced electron field emission from carbon nanotubes irradiated by energetic C ions. , 2010, , .		0
14976	Effects of impurity on field emission of carbon nano-tubes. , 2010, , .		3
14977	FEM analysis of carbon nanotube induced cell poration under electric field. , 2010, , .		1
14978	Pyramid Shaped Pyrolysis Flame Catalyst Synthesis of Carbon Nanotubes. Advanced Materials Research, 0, 177, 421-426.	0.3	1
14979	Dependence of sensitivity of biosensor for carbon nanotube field-effect transistor with top-gate structures. Journal of Applied Physics, 2010, 107, 084504.	2.5	4
14980	The Electrical Properties and Conducting Mechanisms of Carbon Nanotube/Polymer Nanocomposites: A Review. Polymer-Plastics Technology and Engineering, 2010, 49, 1172-1181.	1.9	127
14981	“Graphene-on-insulator”™ fabricated on atomically controlled solid surfaces. Journal Physics D: Applied Physics, 2010, 43, 374014.	2.8	6
14982	CHARACTERISTIC PHOTOLUMINESCENCE OF SWCNT/CdS NANOHYBRID SYNTHESIZED BY A SIMPLE CHEMICAL ROUTE. International Journal of Nanoscience, 2010, 09, 237-242.	0.7	0
14983	ELECTRON-“PHONON INTERACTION IN CARBON NANOTUBES. Modern Physics Letters B, 2010, 24, 2947-2954.	1.9	14
14984	NANOMECHANICAL PROPERTIES OF A Sn-“Ag”-Cu SOLDER REINFORCED WITH Ni-COATED CARBON NANOTUBES. International Journal of Nanoscience, 2010, 09, 283-287.	0.7	5
14985	Direct synthesis of L10FePt nanoparticles within carbon nanotubes by wet chemical procedure. Journal Physics D: Applied Physics, 2010, 43, 474013.	2.8	12
14986	Effects of Additives on Cu-MWCNT Composite Plating Films. Journal of the Electrochemical Society, 2010, 157, D127.	2.9	29
14987	Novel transport properties of gold-single wall carbon nanotubes composite contacts. Journal of Applied Physics, 2010, 108, 064318.	2.5	2
14988	AB INITIO DENSITY FUNCTIONAL THEORY INVESTIGATION OF STRUCTURAL AND ELECTRONIC PROPERTIES OF ZnO BUNDLES. Modern Physics Letters B, 2010, 24, 2997-3003.	1.9	2

#	ARTICLE	IF	CITATIONS
14989	THE EFFECT OF DIFFERENT PARAMETERS ON THE FUNCTIONALIZATION OF MWCNTs VIA ACID TREATMENT. International Journal of Nanoscience, 2010, 09, 175-180.	0.7	2
14990	Carbon nanotubes for transdermal drug delivery. Journal of Microencapsulation, 2010, 27, 669-681.	2.8	56
14991	NORMAL MODE ANALYSIS OF A SINGLE-WALLED CARBON NANOTUBE BASED ON MOLECULAR DYNAMIC: A SINGULAR VALUE DECOMPOSITION STUDY. International Journal of Nanoscience, 2010, 09, 471-486.	0.7	3
14992	Patterning of Polyimide/Single-Walled Carbon Nanotube Composite and Its Electrical Properties. Japanese Journal of Applied Physics, 2010, 49, 01AH01.	1.5	3
14993	Immobilization of biomolecules on the surface of inorganic nanoparticles for biomedical applications. Science and Technology of Advanced Materials, 2010, 11, 014101.	6.1	47
14994	Multiwalled Carbon Nanotube Coated on Stainless Steel Wire for Solid-Phase Microextraction of Organochlorine Pesticides in Water. Analytical Letters, 2010, 43, 2477-2486.	1.8	10
14996	Gigahertz frequency tuner based on a telescoping double-walled carbon nanotube: molecular dynamics simulations. Molecular Simulation, 2010, 36, 418-424.	2.0	9
14997	Dependencies of the thermal conductivity of individual single-walled carbon nanotubes. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2010, 224, 41-54.	0.1	2
14999	COMPARATIVE STUDY OF THE STRUCTURAL AND ELECTRONIC PROPERTIES OF BN(5, 5) AND C(5, 5) NANOTUBES UNDER PRESSURE. International Journal of Modern Physics B, 2010, 24, 4851-4859.	2.0	1
15000	Multiwalled Carbon Nanotubes-Embedded Electrospun Bacterial Cellulose Nanofibers. Molecular Crystals and Liquid Crystals, 2010, 519, 169-178.	0.9	34
15001	Analysis of electrochemical degradation of coking wastewater using multiwall carbon nanotubes modified electrode. , 2010, , .		0
15002	Raman spectra analysis of MWCNTs based on Empirical Model Decomposition. , 2010, , .		2
15003	Filtration characteristics of carbon nanotubes and preparation of buckypapers. Desalination and Water Treatment, 2010, 17, 193-198.	1.0	11
15004	Magnetic effect on the size distribution of catalyst and nanotubes under arc discharge system. , 2010, , .		0
15005	The study of carbon nanotube's length in reference to its thermal conductivity by molecular dynamics approach. , 2010, , .		5
15006	Characterization of etched and Unetched Vertically Aligned Carbon Nanofibers (VACNFs) using Atomic Force Microscopy. , 2010, , .		0
15007	Single-walled carbon nanotue pirani vacuum gauge. , 2010, , .		0
15008	Influence of temperature on dielectric properties of PA-12/CNT composites. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
15009	Realize very large current field emission on a traditional thermal-cathode. , 2010, , .		0
15010	A study of temperature effect on unetched and etched Vertically Aligned Carbon Nanofibers for bio/chemical sensors development. , 2010, , .		0
15011	Fabrication and Properties of Polyamide-6,6-functionalized Carboxylic Multi-walled Carbon Nanotube Composite Fibers. High Performance Polymers, 2010, 22, 848-862.	1.8	32
15012	Mesoscopic systems in the quantum realm: fundamental science and applications. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2010, 1, 043001.	1.5	7
15013	OPTIMIZATION OF CNTs PRODUCTION USING FULL FACTORIAL DESIGN AND ITS ADVANCED APPLICATION IN PROTEIN PURIFICATION. International Journal of Nanoscience, 2010, 09, 181-192.	0.7	3
15014	The Optical Properties of Single-Walled Carbon Nanotubes in the Ultraviolet Region. Japanese Journal of Applied Physics, 2010, 49, 02BB01.	1.5	0
15015	Electrical properties and shape-memory behavior of self-assembled carbon nanofiber nanopaper incorporated with shape-memory polymer. Smart Materials and Structures, 2010, 19, 075021.	3.5	71
15016	Magnesium and Aluminium Carbon Nanotube Composites. Key Engineering Materials, 2010, 425, 245-261.	0.4	8
15017	Effect of Organometallic Compounds on the Formation of Carbon Nanostructures by Pulsed Electric Discharge of Fluorine-Containing Organic Liquid between Metal Electrodes. Key Engineering Materials, 0, 459, 67-70.	0.4	0
15018	Mechanism of carbon nanostructure synthesis in arc plasma. Physics of Plasmas, 2010, 17, 057101.	1.9	45
15019	Inorganically filled carbon nanotubes: Synthesis and properties. Pure and Applied Chemistry, 2010, 82, 2097-2109.	1.9	7
15020	Temperature optimisation of CNT synthesis by spray pyrolysis of alpha-pinene as the carbon source. Journal of Experimental Nanoscience, 2010, 5, 52-60.	2.4	16
15021	A Cohesive Law for Carbon Nanotube/Polymer Interface Accounting for Chemical Covalent Bonds. Mathematics and Mechanics of Solids, 2010, 15, 718-732.	2.4	14
15022	Relating the physicochemical characteristics and dispersion of multiwalled carbon nanotubes in different suspension media to their oxidative reactivity<i>in vitro</i> and inflammation<i>in vivo</i>. Nanotoxicology, 2010, 4, 331-342.	3.0	52
15024	Peroxidase biocathodes for a biofuel cell development. Journal of Renewable and Sustainable Energy, 2010, 2, .	2.0	29
15025	Role of Reaction and Factors of Carbon Nanotubes Growth in Chemical Vapour Decomposition Process Using Methaneâ€”A Highlight. Journal of Nanomaterials, 2010, 2010, 1-11.	2.7	13
15026	A Facile and Generic Strategy to Synthesize Large-Scale Carbon Nanotubes. Journal of Nanomaterials, 2010, 2010, 1-5.	2.7	5
15027	Synthesis of Well-Dispersed Multiwalled Carbon Nanotubes-Polystyrene Nanocomposites via Surface Thiol-Lactam Initiated Radical Polymerization. Molecular Crystals and Liquid Crystals, 2010, 532, 98/[514]-105/[521].	0.9	10

#	ARTICLE	IF	CITATIONS
15028	Synthesis and study of photoluminescence characteristics of carbon nanotube/ZnS hybrid nanostructures. Journal of Experimental Nanoscience, 2010, 5, 363-373.	2.4	18
15029	Filtration of Multi-Walled Carbon Nanotube Aerosol by Fibrous Filters. Aerosol Science and Technology, 2010, 44, 734-740.	3.1	26
15030	β -Carotene encapsulation into single-walled carbon nanotubes: a theoretical study. Molecular Simulation, 2010, 36, 1031-1034.	2.0	2
15031	Fabrication and Characterization of Fullerene-Based Bulk Heterojunction Solar Cells with Porphyrin, CuInS ₂ , Diamond and Exciton-Diffusion Blocking Layer. Energies, 2010, 3, 671-685.	3.1	32
15032	Nanotechnology to Nanomanufacturing. , 2010, , 1-15.		2
15033	Functionalization of carbon nanotubes for applications in materials science and nanomedicine. Pure and Applied Chemistry, 2010, 82, 853-861.	1.9	18
15034	Optimization for Development of Carbon Nanotubes Using Taguchi Method at Constant Temperature. Journal of Nano Research, 0, 11, 95-100.	0.8	1
15035	Large scale and low cost synthesis of multiwalled carbon nanotubes by mechanochemical absence catalysts. Advances in Applied Ceramics, 2010, 109, 25-30.	1.1	1
15036	Study of Optical Properties of Carbon Nanotube and Fabrication of Nano Fiber Optic for Optical Communication. Journal of Nano Research, 2010, 11, 139-144.	0.8	0
15037	Nanosized Silicon Carbide Obtained from Rice Husks. Solid State Phenomena, 0, 159, 153-156.	0.3	8
15038	Electrical and thermal properties of carbon nanotubes/PMMA composites induced by low magnetic fields. Plastics, Rubber and Composites, 2010, 39, 49-53.	2.0	9
15039	First-Principles Study of Optical Properties of Single-Wall Silicon Nanotubes. Advanced Materials Research, 0, 105-106, 234-237.	0.3	0
15040	Preparation and Characterisation of an Aligned Carbon Nanotube Array on the Ni-Deposited Silicon Surface. Advanced Materials Research, 2010, 152-153, 722-725.	0.3	0
15041	The Effect of Matrix Stiffness on the Mechanical Properties of the Composite Reinforced with Multi-Wall Carbon Nanotube. Defect and Diffusion Forum, 2010, 297-301, 450-455.	0.4	0
15042	Microwave plasma- enhanced chemical vapour deposition growth of carbon nanostructures. South African Journal of Science, 2010, 106, .	0.7	2
15043	Effect of Substituted Group of β -Cyclodextrin Derivatives on the Dispersing of Carbon Nanotubes. Journal of Dispersion Science and Technology, 2010, 31, 353-358.	2.4	4
15044	Fabrication of M-CNT/TiO ₂ (M=Cr, Mn and Fe) Composites and the effect of Transition Metals on their Photocatalytic Activities. Journal of Chemical Research, 2010, 34, 283-287.	1.3	7
15045	Tuning of electronic properties of nanographene ribbons by a spatially modulated electric field. Journal of Applied Physics, 2010, 107, 083712.	2.5	13

#	ARTICLE	IF	CITATIONS
15046	Surface Study of Carbon Nanotubes Prepared by Thermal-CVD of Camphor Precursor. , 2010, , .		1
15047	Morphology Study of Prepared Carbon Nanotubes using Palm Oil as Carbon Source in Spray Pyrolysis Chemical Vapor Deposition. , 2010, , .		0
15048	Magic and hot giant fullerenes formed inside ion irradiated weakly bound C60 clusters. Journal of Chemical Physics, 2010, 133, 104301.	3.0	28
15049	One New Method of Achieving Raman Resonance of SWCNTs. , 2010, , .		0
15050	Roles of radical characters of pristine and nitrogen-substituted hydrographene in dioxygen bindings. Journal of Chemical Physics, 2010, 133, 174703.	3.0	6
15051	Synthesis and Characterization of Carbon Metal Nano Tubes. , 2010, , .		2
15052	Study of carbon nanotubes/short carbon fiber nanocomposites for lightning strike protection. Proceedings of SPIE, 2010, , .	0.8	5
15053	Synthesis 3. Synthesis. , 2010, , 99-168.		0
15054	Critical Exponents of Gelation and Conductivity in Polyacrylamide Gels Doped by Multiwalled Carbon Nanotubes. Composite Interfaces, 2010, 17, 301-318.	2.3	22
15055	Electroactive super elongation of carbon nanotube clusters in liquid crystal medium and its display application. Proceedings of SPIE, 2010, , .	0.8	1
15056	Electrical, mechanical and thermal properties of high performance polymer nanocomposite bipolar plates for fuel cells. , 2010, , 591-615.		2
15057	Nanoengineering Ultra-High-Performance Concrete with Multiwalled Carbon Nanotubes. Transportation Research Record, 2010, 2142, 119-126.	1.9	66
15058	Approximate Solutions for a Self-Folding Problem of Carbon Nanotubes. Journal of Engineering Materials and Technology, Transactions of the ASME, 2010, 132, .	1.4	10
15059	Engineering Nanorobots: Chronology of Modeling Flagellar Propulsion. Journal of Nanotechnology in Engineering and Medicine, 2010, 1, .	0.8	14
15060	Evaluation of the Mechanical Properties of CNT Based Composites Using Hexagonal RVE. Journal of Nanotechnology in Engineering and Medicine, 2010, 1, .	0.8	7
15061	Parameter Study of Dynamical Behavior of Carbon Nanotubes Conveying Water Considering Carbon-Water Bond. , 2010, , .		0
15062	Applications of Nanobiotechnology in Ophthalmology â€” Part I. Ophthalmic Research, 2010, 44, 1-16.	1.9	9
15063	Molecular Dynamics Simulations of Carbon Nanotube Interactions in Water/Surfactant Systems. Journal of Engineering Materials and Technology, Transactions of the ASME, 2010, 132, .	1.4	15

#	ARTICLE	IF	CITATIONS
15064	Variational Principles for the Stability Analysis of Multi-Walled Carbon Nanotubes Based on a Nonlocal Elastic Shell Model. , 2010, , .		1
15065	Analysis of Free Nonlinear Vibration Behavior for Curved Embedded Carbon Nanotubes on Elastic Foundation. , 2010, , .		0
15066	Natural Frequencies and Mode Shapes of Slacked Carbon Nanotube NEMS Resonators. , 2010, , .		2
15067	Electronic Properties of Pristine and Boron-doped Triangular Graphene. , 2010, , .		0
15068	Forced Vibrations of Slacked Carbon Nanotube Resonators. , 2010, , .		2
15069	Optimization of Interface Resistance between Carbon Nanotubes and Probe-Shaped Titanium Wire. Japanese Journal of Applied Physics, 2010, 49, 035002.	1.5	3
15070	Performance of Zero-Schottky-Barrier and Doped Contacts Single and Double Walled Carbon Nanotube Transistors. Japanese Journal of Applied Physics, 2010, 49, 025101.	1.5	2
15071	Raman Characterization and Polarity Tuning of Aligned Single-Walled Carbon Nanotubes on Quartz. Japanese Journal of Applied Physics, 2010, 49, 02BC02.	1.5	3
15072	Multi-Walled Carbon Nanotubes Growing Vertically from Root Particles. Japanese Journal of Applied Physics, 2010, 49, 045101.	1.5	1
15073	Electrical Transport Properties of Calcium-Encapsulated Single-Walled Carbon Nanotubes Realized Using Calcium Plasma. Japanese Journal of Applied Physics, 2010, 49, 02BD05.	1.5	1
15074	Field Electron Emission Devices with Oriented Carbon Nanotubes Dispersed in Aluminum Composites. Japanese Journal of Applied Physics, 2010, 49, 085102.	1.5	5
15075	The effect of intertube van der Waals interaction on the stability of pristine and functionalized carbon nanotubes under compression. Nanotechnology, 2010, 21, 125704.	2.6	8
15076	Ignition and temperature behavior of a single-wall carbon nanotube sample. Nanotechnology, 2010, 21, 095705.	2.6	20
15077	Effect of external fields on low-frequency optical properties of achiral carbon tori. Journal of Physics Condensed Matter, 2010, 22, 025302.	1.8	3
15078	Carbon nanotube surface modification with polyelectrolyte brushes endowed with quantum dots and metal oxide nanoparticles through in situ synthesis. Nanotechnology, 2010, 21, 055605.	2.6	15
15079	The fabrication of carbon-nanotube-coated electrodes and a field-emission-based luminescent device. Nanotechnology, 2010, 21, 065601.	2.6	9
15080	Discharge characteristics of a nano-sized electrode with aligned carbon nanotubes grown on a tungsten whisker tip under various gas conditions. Journal Physics D: Applied Physics, 2010, 43, 275202.	2.8	11
15081	A Review on Biomedical Applications of Single-Walled Carbon Nanotubes. Current Medicinal Chemistry, 2010, 17, 10-24.	2.4	177

#	ARTICLE	IF	CITATIONS
15082	Fullerenes: From Carbon to Nanomedicine. Mini-Reviews in Medicinal Chemistry, 2010, 10, 662-677.	2.4	55
15083	Investigating the plasma chemistry for the synthesis of carbon nanotubes/nanofibres in an inductively coupled plasma-enhanced CVD system: the effect of processing parameters. Journal Physics D: Applied Physics, 2010, 43, 315203.	2.8	19
15084	Critical behavior of interacting monomers adsorbed on one-dimensional channels arranged in a triangular cross-sectional structure: Mixed interactions along and across the channels. Journal of Chemical Physics, 2010, 132, 054111.	3.0	2
15085	ON THE DRAIN CURRENT SATURATION IN CARBON NANOTUBE FIELD EFFECT TRANSISTORS. Nano, 2010, 05, 161-165.	1.0	6
15086	EMI shielding performance study of tri-layer nano stealth composites. , 2010, , .		1
15087	Separation of Metallic and Semiconducting Carbon Nanotubes. Recent Patents on Nanotechnology, 2010, 4, 1-9.	1.3	4
15088	SIZE EFFECTS IN THE MECHANICAL PROPERTIES OF CARBON NANOTUBES. , 2010, , .		0
15089	Energetics and Electronic Structure of Ultimate Silicon Nanowire Confined in Nanospace. Japanese Journal of Applied Physics, 2010, 49, 065001.	1.5	2
15090	The applications of statistical quantification techniques in nanomechanics and nanoelectronics. Nanotechnology, 2010, 21, 405704.	2.6	6
15091	Probing quantized image-potential states at supported carbon nanotubes. Nanotechnology, 2010, 21, 485401.	2.6	13
15092	Carbon nanotube field-effect transistors functionalized with self-assembly gold nanocrystals. Nanotechnology, 2010, 21, 095202.	2.6	3
15093	Size Control of Carbon Nanofiber Probes Fabricated by Ion Irradiation. Japanese Journal of Applied Physics, 2010, 49, 08LB15.	1.5	0
15094	Tunable assembly of carbon nanospheres on single-walled carbon nanotubes. Nanotechnology, 2010, 21, 305602.	2.6	7
15095	Synthesis of Carbon Nanostructures by Plasma Enhanced Chemical Vapour Deposition at Atmospheric Pressure. Journal of Electrical Engineering, 2010, 61, 311-313.	0.7	10
15096	Multiwall carbon-nanotube interconnects: radial effects on physical models and resistance calculations for various metal substrates. , 2010, , .		0
15097	A GISAXS study of the angular dependence of carbon nanotubes grown on a plain substrate by the dc HF CCVD process. Physica Scripta, 2010, 82, 025601.	2.5	3
15098	Melting and superheating of nanowiresâ€™a nanotube approach. Nanotechnology, 2010, 21, 205701.	2.6	8
15099	The concept of a novel hybrid smart composite reinforced with radially aligned zigzag carbon nanotubes on piezoelectric fibers. Smart Materials and Structures, 2010, 19, 035008.	3.5	13

#	ARTICLE	IF	CITATIONS
15100	Mechanism of Enhanced Dispersion of Single-Walled Carbon Nanotubes with Proteins by Alcohols and Chaotropes. Japanese Journal of Applied Physics, 2010, 49, 06GJ10.	1.5	2
15101	Regeneration of carbon nanotube and nanofibre composite film electrode for electrical removal of cupric ions. Water Science and Technology, 2010, 61, 1427-1432.	2.5	15
15102	Electrical Detection of Negatively Charged Proteins Using n-Type Carbon Nanotube Field-Effect Transistor Biosensors. Japanese Journal of Applied Physics, 2010, 49, 02BD10.	1.5	3
15103	Enhancement of dopamine sensing by layer-by-layer assembly of PVI-dmeOs and Nafion on carbon nanotubes. Nanotechnology, 2010, 21, 215601.	2.6	24
15104	Ultrathin carbon nanotube-DNA hybrid membrane formation by simple physical adsorption onto a thin alumina substrate. Nanotechnology, 2010, 21, 285601.	2.6	4
15105	Hydrothermal synthesis of $\text{Fe}_2\text{O}_3/\text{SnO}_2$ core-shell nanotubes for highly selective enrichment of phosphopeptides for mass spectrometry analysis. Nanoscale, 2010, 2, 1892.	5.6	50
15106	Automated nanorobotic handling of bio- and nano-materials. , 2010, , .		12
15107	Carbon nanotube reinforced metal matrix composites - a review. International Materials Reviews, 2010, 55, 41-64.	19.3	1,220
15108	Stress Transfer and Fracture Mechanisms in Carbon Nanotube-Reinforced Polymer Nanocomposites. , 0, , 139-172.		0
15109	Functional Hollow Carbon Nanospheres by Latex Templating. Journal of the American Chemical Society, 2010, 132, 17360-17363.	13.7	254
15110	Strain-Dependent Resistance of PDMS and Carbon Nanotubes Composite Microstructures. IEEE Nanotechnology Magazine, 2010, 9, 590-595.	2.0	84
15111	On the forced vibration of carbon nanotubes via a non-local Euler-Bernoulli beam model. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 497-503.	2.1	37
15112	DFT Study of Al_{13} Clusters Encapsulated Inside Single Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 18762-18772.	3.1	18
15113	Elastic and Melting Properties of Crystalline SiC Nanotubes. Journal of Physical Chemistry C, 2010, 114, 8199-8205.	3.1	23
15114	High-Yield Synthesis and Structure of Double-Walled Bismuth-Nanotubes. Nano Letters, 2010, 10, 208-210.	9.1	56
15115	Effect of plasma modification of single wall carbon nanotubes on ethanol vapor sensing. Diamond and Related Materials, 2010, 19, 981-987.	3.9	12
15116	Theoretical study of noncovalent functionalization of BN nanotubes by various aromatic molecules. Diamond and Related Materials, 2010, 19, 1073-1077.	3.9	33
15117	The characteristics of multi-walled carbon nanotubes by a two-step separation scheme via dielectrophoresis. Diamond and Related Materials, 2010, 19, 573-577.	3.9	6

#	ARTICLE	IF	CITATIONS
15118	Carbon nanotube capacitors arrays using high-k dielectrics. Diamond and Related Materials, 2010, 19, 221-224.	3.9	8
15119	Tribological properties of polymer composites with diamond-like carbon flakes. Diamond and Related Materials, 2010, 19, 894-898.	3.9	5
15120	Photochemical modification and functionalization of carbon surfaces with fluorine moieties. Diamond and Related Materials, 2010, 19, 374-381.	3.9	13
15121	Crystal Structure Analysis of Multiwalled Carbon Nanotube Forests by Newly Developed Cross-Sectional X-ray Diffraction Measurement. Applied Physics Express, 2010, 3, 105101.	2.4	15
15122	Landau levels of multilayer graphene ribbons. Diamond and Related Materials, 2010, 19, 614-617.	3.9	0
15123	Prospective growth region for chemical vapor deposition synthesis of carbon nanotube on C-H-O ternary diagram. Diamond and Related Materials, 2010, 19, 1401-1404.	3.9	28
15124	Colloquium: Structural, electronic, and transport properties of silicon nanowires. Reviews of Modern Physics, 2010, 82, 427-449.	45.6	305
15125	Electronic Structures and Optical Properties of Ga-Rich In _x Ga _{1-x} N Nanotubes. Journal of Physical Chemistry C, 2010, 114, 21943-21947.	3.1	3
15126	Carbon Nanotube-Inorganic Hybrids. Chemical Reviews, 2010, 110, 1348-1385.	47.7	762
15127	Control Performance and Biomembrane Disturbance of Carbon Nanotube Artificial Water Channels by Nitrogen-Doping. ACS Nano, 2010, 4, 5755-5762.	14.6	35
15128	Design of Very High-Strength Aligned and Interconnected Carbon Nanotube Fibers Based on Molecular Dynamics Simulations. , 2010, , .		0
15129	Tailored Distribution of Single-Wall Carbon Nanotubes from Arc Plasma Synthesis Using Magnetic Fields. ACS Nano, 2010, 4, 5187-5192.	14.6	60
15130	4 Tetrapyrrole-Nanocarbon Hybrids: Self-Assembly and Photoinduced Electron Transfer. Handbook of Porphyrin Science, 2010, , 307-437.	0.8	14
15132	Unipolar characteristics of Carbon Nanotube Field Effect Transistor. , 2010, , .		0
15133	Recent Developments in Multifunctional Nanocomposites Using Carbon Nanotubes. Applied Mechanics Reviews, 2010, 63, .	10.1	148
15134	The preparation of layered double hydroxide wrapped carbon nanotubes and their application as a flame retardant for polypropylene. Nanotechnology, 2010, 21, 315603.	2.6	60
15135	Fabrication of single-walled carbon nanotubes (SWNTs) field-effect transistor (FET) biosensor. , 2010, , .		0
15136	Carbon Nanostructured Materials. Advanced Structured Materials, 2010, , 165-193.	0.5	0

#	ARTICLE	IF	CITATIONS
15137	Carbon Nanotubes Towards Polymer Solar Cell. Advanced Structured Materials, 2010, , 101-123.	0.5	4
15138	Visual and quantitative detection of copper ions using magnetic silica nanoparticles clicked on multiwalled carbon nanotubes. Chemical Communications, 2010, 46, 6572.	4.1	122
15139	An Unusual Independent 1D Metal-Organic Nanotube with Mesohelical Structure and 1D to 2D Interdigitation. Crystal Growth and Design, 2010, 10, 2029-2032.	3.0	62
15140	Facile Fabrication of Hierarchical Hollow Microspheres Assembled by Titanate Nanotubes. Langmuir, 2010, 26, 10111-10114.	3.5	39
15141	Nano-integrated adhesive for cryogenic packaging (4K) of harsh environment electronics. , 2010, , .		3
15142	Two-Dimensional Diffusion-Ordered NMR Spectroscopy as a Tool for Monitoring Functionalized Carbon Nanotube Purification and Composition. ACS Nano, 2010, 4, 2051-2058.	14.6	25
15143	Multiwalled Carbon Nanotube (MWCNT) Reinforced Cellulose Fibers by Electrospinning. ACS Applied Materials & Interfaces, 2010, 2, 2413-2420.	8.0	120
15144	Sharpening the Chemical Scissors to Unzip Carbon Nanotubes: Crystalline Graphene Nanoribbons. ACS Nano, 2010, 4, 1775-1781.	14.6	100
15145	Fabrication and Structural Characterization of Polyacrylonitrile and Carbon Nanofibers Containing Plasma-Modified Carbon Nanotubes by Electrospinning. Journal of Physical Chemistry C, 2010, 114, 13532-13539.	3.1	66
15146	Carbon nanotube-based electron field emitters. Physics-Uspekhi, 2010, 53, 863-892.	2.2	98
15147	Nanotube Formation through the Continuous One-Dimensional Fusion of Hollow Nanocapsules Composed of Layer-by-Layer Poly(lactic acid) Stereocomplex Films. Journal of the American Chemical Society, 2010, 132, 8236-8237.	13.7	57
15148	Molecular dynamics simulations of adsorption and diffusion of gases in silicon-carbide nanotubes. Journal of Chemical Physics, 2010, 132, 014310.	3.0	85
15149	Nanoelectronics in Radio-Frequency Technology. IEEE Microwave Magazine, 2010, 11, 119-135.	0.8	27
15150	Carbon Nanotube Membranes: A New Frontier in Membrane Science. , 2010, , 291-310.		19
15151	Carbon nanotube based composite membranes for water desalination by membrane distillation. Desalination and Water Treatment, 2010, 17, 72-79.	1.0	60
15152	Screening Assay of Very Long Chain Fatty Acids in Human Plasma with Multiwalled Carbon Nanotube-Based Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Chemistry, 2010, 82, 6814-6820.	6.5	50
15153	TRANSPORT PROPERTIES OF SINGLE-WALLED CARBON NANOTUBE WITH INTRAMOLECULAR JUNCTIONS. Modern Physics Letters B, 2010, 24, 2445-2455.	1.9	6
15154	Nanoelectronics in retrospect, prospect and principle. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
15155	Nano-conductive Adhesives for Nano-electronics Interconnection. , 2010, , 19-45.		13
15156	Applications of Carbon Nanomaterials as Electrical Interconnects and Thermal Interface Materials. , 2010, , 87-138.		6
15157	Physical Properties and Mechanical Behavior of Carbon Nano-tubes (CNTs) and Carbon Nano-fibers (CNFs) as Thermal Interface Materials (TIMs) for High-Power Integrated Circuit (IC) Packages: Review and Extension. , 2010, , 315-347.		1
15158	Nano-Scale and Atomistic-Scale Modeling of Advanced Materials. , 2010, , 719-758.		0
15159	Interactions between Polymers and Single-Walled Boron Nitride Nanotubes: A Molecular Dynamics Simulation Approach. Journal of Physical Chemistry B, 2010, 114, 15429-15436.	2.6	65
15160	Template-free electrochemical nanofabrication of polyaniline nanobrush and hybrid polyaniline with carbon nanohorns for supercapacitors. Nanotechnology, 2010, 21, 435702.	2.6	14
15161	Quantum Transport in Graphene Nanoribbons: Effects of Edge Reconstruction and Chemical Reactivity. ACS Nano, 2010, 4, 1971-1976.	14.6	108
15162	Multiple Alkynes React with Ethylene To Enhance Carbon Nanotube Synthesis, Suggesting a Polymerization-like Formation Mechanism. ACS Nano, 2010, 4, 7185-7192.	14.6	79
15163	The geometric structure of single-walled nanotubes. Nanoscale, 2010, 2, 859.	5.6	32
15164	An Overview of Recent Development in Composite Catalysts from Porous Materials for Various Reactions and Processes. International Journal of Molecular Sciences, 2010, 11, 2152-2187.	4.1	83
15165	Epitaxial few-layer graphene: towards single crystal growth. Journal Physics D: Applied Physics, 2010, 43, 374005.	2.8	106
15166	Synthesis, characterization, and electrical properties of nitrogen-doped single-walled carbon nanotubes with different nitrogen content. Diamond and Related Materials, 2010, 19, 1199-1206.	3.9	74
15167	Fluidic supramolecular nano- and microfibrils as molecular rails for regulated movement of nanosubstances. Nature Communications, 2010, 1, 20.	12.8	28
15168	Physicochemical properties affecting cellular uptake of carbon nanotubes. Nanomedicine, 2010, 5, 89-97.	3.3	157
15169	Structural, Electronic, and Thermoelectric Properties of BiSb Nanotubes. Journal of Physical Chemistry C, 2010, 114, 21234-21239.	3.1	14
15170	CMOS LC Voltage-Controlled Oscillator Design Using Multiwalled Carbon Nanotube Wire Inductor. , 2010, , .		3
15171	One-pot preparation of graphene/Fe ₃ O ₄ composites by a solvothermal reaction. New Journal of Chemistry, 2010, 34, 2950.	2.8	154
15172	Molecular Simulation to Rationalize Structure-Property Correlation of Carbon Nanotube. Advanced Structured Materials, 2010, , 143-164.	0.5	1

#	ARTICLE	IF	CITATIONS
15173	Diamond: Synthesis, Characterisation and Applications. Advanced Structured Materials, 2010, , 195-217.	0.5	3
15174	Low Temperature Synthesis of Cu ₂ O Crystals: Shape Evolution and Growth Mechanism. Crystal Growth and Design, 2010, 10, 99-108.	3.0	284
15176	Intercrystalline distal-effect on the afterglow phenomenon in photoluminescent SrAl ₂ O ₄ :Ce(III), Ln nanotube growth. Nanotechnology, 2010, 21, 325707.	2.6	10
15178	Liquid Carbon: Freezing Line and Structure Near Freezing. Carbon Materials, 2010, , 1-36.	1.2	4
15179	Modeling of Thermal Conductance at Transverse CNT~CNT Interfaces. Journal of Physical Chemistry C, 2010, 114, 16223-16228.	3.1	80
15180	Dynamic behavior of double-walled carbon nanotubes conveying viscous fluid based on nonlocal elastic theory. Proceedings of SPIE, 2010, , .	0.8	0
15181	Synthesis, Characterization, and Alignment of Magnetic Carbon Nanotubes Tethered with Maghemite Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 6944-6951.	3.1	99
15182	Carbon nanofiber based electrochemical biosensors: A review. Analytical Methods, 2010, 2, 202.	2.7	233
15183	Self-assembly based on heterotriangulene derivatives: from nanowires to microrods. New Journal of Chemistry, 2010, 34, 661.	2.8	10
15185	Investigating Photoinduced Charge Transfer in Carbon Nanotube~Perylene~Quantum Dot Hybrid Nanocomposites. ACS Nano, 2010, 4, 6883-6893.	14.6	55
15186	Single wall carbon nanotubes deposited on stainless steel sheet substrates as novel counter electrodes for ruthenium polypyridine based dye sensitized solar cells. Dalton Transactions, 2010, 39, 2903.	3.3	48
15188	First-principles study of alkali-atom doping in a series of zigzag and armchair carbon nanotubes. Journal of Applied Physics, 2010, 107, 034312.	2.5	11
15189	A tunable carbon nanotube polarizer. Nanotechnology, 2010, 21, 405202.	2.6	21
15190	Self-Assembly of Amphiphilic Block Copolymers in Dispersions of Multiwalled Carbon Nanotubes As Reported by Spin Probe Electron Paramagnetic Resonance Spectroscopy. Macromolecules, 2010, 43, 606-614.	4.8	28
15191	Terahertz Spectroscopy of Nanocrystal~Carbon Nanotube and ~Graphene Oxide Hybrid Nanostructures. Journal of Physical Chemistry C, 2010, 114, 11258-11265.	3.1	41
15193	Development of Infrared Detectors Using Single Carbon-Nanotube-Based Field-Effect Transistors. IEEE Nanotechnology Magazine, 2010, 9, 582-589.	2.0	59
15194	DNA Functionalized Carbon Nanotubes for Nonbiological Applications. Materials and Manufacturing Processes, 2010, 25, 891-908.	4.7	28
15195	Single-crystalline hexagonal ZnO microtube optical resonators. Journal of Materials Chemistry, 2010, 20, 5510.	6.7	26

#	ARTICLE	IF	CITATIONS
15196	CNT-based photopatternable nanocomposites with high electrical conductivity and optical transparency. Journal of Micromechanics and Microengineering, 2010, 20, 025002.	2.6	13
15197	Architecture of graphdiyne nanoscale films. Chemical Communications, 2010, 46, 3256.	4.1	2,210
15198	Graphene Nano-â€œpatchesâ€•on a Carbon Nanotube Network for Highly Transparent/Conductive Thin Film Applications. Journal of Physical Chemistry C, 2010, 114, 14008-14012.	3.1	125
15199	Towards chirality-pure carbon nanotubes. Nanoscale, 2010, 2, 1919.	5.6	65
15200	Large-Scale Orientation in a Vulcanized Stretched Natural Rubber Network: Proved by In Situ Synchrotron X-ray Diffraction Characterization. Journal of Physical Chemistry B, 2010, 114, 7179-7188.	2.6	65
15201	Theoretical Exploration of the Structural, Electronic, and Magnetic Properties of ZnO Nanotubes with Vacancies, Antisites, and Nitrogen Substitutional Defects. Journal of Physical Chemistry C, 2010, 114, 5760-5766.	3.1	39
15202	Nonlinear Dynamics of Electrically Actuated Carbon Nanotube Resonators. Journal of Computational and Nonlinear Dynamics, 2010, 5, .	1.2	104
15203	Sorption of Aqueous Zn[II] and Cd[II] by Multiwall Carbon Nanotubes: The Relative Roles of Oxygen-Containing Functional Groups and Graphenic Carbon. Langmuir, 2010, 26, 967-981.	3.5	215
15204	Synthesis and Applications of Molybdenum Oxide Nanotubes. Topics in Applied Physics, 2010, , 83-96.	0.8	3
15205	Les sources de nanoparticules. Revue Francaise D'allergologie, 2010, 50, 211-213.	0.2	5
15206	Recent Developments in Carbon Nanotube Membranes for Water Purification and Gas Separation. Materials, 2010, 3, 127-149.	2.9	232
15207	Functionalization of multi-walled carbon nanotubes via surface unpaired electrons. Nanotechnology, 2010, 21, 085706.	2.6	29
15208	Lanthanide doped Y6O5F8/YF3 microcrystals: phase-tunable synthesis and bright white upconversion photoluminescence properties. Dalton Transactions, 2010, 39, 9153.	3.3	40
15209	Molecular Computations of Adsorption in Nanoporous Materials. , 2010, , 69-100.		2
15210	Molecular Simulation of Adsorption in Zeolites and Carbon Nanotubes. , 2010, , 9-40.		3
15211	Review of carbon nanotubes toxicity and exposureâ€”Appraisal of human health risk assessment based on open literature. Critical Reviews in Toxicology, 2010, 40, 759-790.	3.9	220
15212	Conductivity of multiwall carbon nanotubes: Role of multiple shells and defects. Physical Review B, 2010, 82, .	3.2	13
15213	Perovskite oxide nanotubes: synthesis, structural characterization, properties and applications. Journal of Materials Chemistry, 2010, 20, 4015.	6.7	95

#	ARTICLE	IF	CITATIONS
15214	Facile synthesis of $\text{Y}_{4}\text{O}(\text{OH})_{9}\text{NO}_{3}:\text{Eu}^{3+}/\text{Y}_{2}\text{O}_{3}:\text{Eu}^{3+}$ nanotubes and nanobundles from nanolamellar precursors. CrystEngComm, 2010, 12, 585-590.	2.6	16
15215	Plugging into Proteins: Poisoning Protein Function by a Hydrophobic Nanoparticle. ACS Nano, 2010, 4, 7508-7514.	14.6	168
15216	Recent Studies on Buckling of Carbon Nanotubes. Applied Mechanics Reviews, 2010, 63, .	10.1	117
15217	Titanium Surface Modification Techniques for Implant Fabrication "From Microscale to the Nanoscale. Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 5, 39-56.	0.7	11
15218	Effect of N/B doping on the electronic and field emission properties for carbon nanotubes, carbon nanocones, and graphene nanoribbons. Nanoscale, 2010, 2, 1069.	5.6	149
15219	Single-step synthesis and magnetic separation of graphene and carbon nanotubes in arc discharge plasmas. Nanoscale, 2010, 2, 2281.	5.6	120
15220	Thermal Stimulated Conductivity in Cellulose Triacetate-Multiwalled Carbon Nanotube Polymer Films. Bulletin of the Korean Chemical Society, 2010, 31, 2207-2210.	1.9	2
15221	Mesoporous $\text{Co}_{3}\text{O}_{4}$ and $\text{Au/Co}_{3}\text{O}_{4}$ Catalysts for Low-Temperature Oxidation of Trace Ethylene. Journal of the American Chemical Society, 2010, 132, 2608-2613.	13.7	463
15222	New Insights into the Behavior of Bovine Serum Albumin Adsorbed onto Carbon Nanotubes: Comprehensive Spectroscopic Studies. Journal of Physical Chemistry B, 2010, 114, 5625-5631.	2.6	409
15223	C_{4} : A Viable C_{4}p_{3} Carbon Allotrope. Physical Review Letters, 2010, 104, 125504.	7.8	363
15224	Advances in $\text{Li}\text{--}\text{S}$ batteries. Journal of Materials Chemistry, 2010, 20, 9821.	6.7	1,765
15225	Using carbon nanotubes to induce micronuclei and double strand breaks of the DNA in human cells. Nanotechnology, 2010, 21, 015102.	2.6	92
15226	First-principles study of the stability of calcium-decorated carbon nanostructures. Physical Review B, 2010, 82, .	3.2	53
15227	An easy approach to encapsulating $\text{Fe}_{3}\text{O}_{4}$ nanoparticles in multiwalled carbon nanotubes. New Carbon Materials, 2010, 25, 192-198.	6.1	50
15228	A Novel Method for Preparation of Carbon Coating Iron Nanoparticles. Advanced Materials Research, 0, 92, 7-11.	0.3	0
15229	Enhancement of Mechanical Properties of Composites through Incorporation of CNT in VARTM - A Review. Journal of Reinforced Plastics and Composites, 2010, 29, 2782-2807.	3.1	49
15230	Removal of Chromium (III) from Water by Using Modified and Nonmodified Carbon Nanotubes. Journal of Nanomaterials, 2010, 2010, 1-9.	2.7	78
15231	Applications of carbon nanotubes to electrochemical DNA sensors: a new strategy to make direct and selective hybridization detection from SWNTs. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2010, 1, 045011.	1.5	16

#	ARTICLE	IF	CITATIONS
15232	Water Transport with a Carbon Nanotube Pump. ACS Nano, 2010, 4, 2338-2344.	14.6	75
15233	Quantitative Techniques for Assessing and Controlling the Dispersion and Biological Effects of Multiwalled Carbon Nanotubes in Mammalian Tissue Culture Cells. ACS Nano, 2010, 4, 7241-7252.	14.6	151
15234	Selective Mechanical Reinforcement of Thermoplastic Polyurethane by Targeted Insertion of Functionalized SWCNTs. Journal of Physical Chemistry C, 2010, 114, 11401-11408.	3.1	45
15235	Sonochemical Formation of Methyl Hydroperoxide in Polar Aprotic Solvents and Its Effect on Single-Walled Carbon Nanotube Dispersion Stability. Journal of the American Chemical Society, 2010, 132, 791-797.	13.7	16
15236	Hydrothermally Synthesized Aligned Arrays of Self-Assembled Multiwalled Hydrogen Titanate Nanotubes. Crystal Growth and Design, 2010, 10, 1215-1220.	3.0	30
15237	Synthesis of Ultrathin Mesoporous Carbon through Bergman Cyclization of Eneidyne Self-Assembled Monolayers in SBA-15. Langmuir, 2010, 26, 11244-11248.	3.5	45
15238	Study on Young's modulus and microhardness of carbon nanotubes reinforced copper nanocomposite. Materials Science and Technology, 2010, 26, 478-481.	1.6	6
15239	CdSe Nanotube Arrays on ITO via Aligned ZnO Nanorods Templating. Chemistry of Materials, 2010, 22, 64-69.	6.7	45
15240	Patterned Growth of Boron Nitride Nanotubes by Catalytic Chemical Vapor Deposition. Chemistry of Materials, 2010, 22, 1782-1787.	6.7	194
15241	Ab Initio Study of Confinement and Surface Effects in AlN Nanowires. Journal of Physical Chemistry C, 2010, 114, 11352-11357.	3.1	12
15242	Interaction and Dimerization Energies in Methyl-Blocked β -Peptide Nanotube Segments. Journal of Physical Chemistry B, 2010, 114, 4973-4983.	2.6	32
15243	Estimating the Raman Cross Sections of Single Carbon Nanotubes. ACS Nano, 2010, 4, 3466-3470.	14.6	33
15244	Free Radical Scavenging Activity of Ultrashort Single-Walled Carbon Nanotubes with Different Structures through Electron Transfer Reactions. Journal of Physical Chemistry C, 2010, 114, 8184-8191.	3.1	63
15245	Self-Assembly of Carbon Nanotubes via Ethanol Chemical Vapor Deposition for the Synthesis of Gas Chromatography Columns. Analytical Chemistry, 2010, 82, 5184-5188.	6.5	86
15246	Multi-pulsed intense electron beam emission from velvet, carbon fibers, carbon nano-tubes and dispenser cathodes. Chinese Physics C, 2010, 34, 1733-1737.	3.7	5
15247	Recent developments in inorganically filled carbon nanotubes: successes and challenges. Science and Technology of Advanced Materials, 2010, 11, 054501.	6.1	48
15248	Observation of Hybrid Carbon Nanostructures as Intermediates in the Transformation from Hydrocarbon Nanotubes and Nano-onions to Carbon Nanotubes and Nano-onions via Sonolysis on Silicon Nanowires and Nanodots, Respectively. Chemistry of Materials, 2010, 22, 1297-1308.	6.7	9
15249	A Novel Non-Metal Oxygen Reduction Electrocatalyst Based on Platelet Carbon Nanofiber. Advanced Materials Research, 0, 132, 264-270.	0.3	0

#	ARTICLE	IF	CITATIONS
15250	Designing TiO ₂ Based Nanostructures by Control of Surface Morphology of Pure and Silver Loaded Titanate Nanotubes. Journal of Physical Chemistry C, 2010, 114, 169-178.	3.1	54
15251	Photopolymerized Lipids Self-Assembly for the Solubilization of Carbon Nanotubes. Journal of Physical Chemistry B, 2010, 114, 5718-5722.	2.6	18
15252	Modulating Cell Adhesion Dynamics on Carbon Nanotube Monolayer Engineered with Extracellular Matrix Proteins. ACS Applied Materials & Interfaces, 2010, 2, 1038-1047.	8.0	24
15253	Crystalline Silicon Nanotubes and Their Connections with Gold Nanowires in Both Linear and Branched Topologies. ACS Nano, 2010, 4, 7105-7112.	14.6	15
15254	Adsorption of M Species and M ₂ Dimers (M = Cu, Ag, and Au) on the Pristine and Defective Single-Walled Carbon Nanotubes: A Density Functional Theory Study. Journal of Physical Chemistry C, 2010, 114, 21327-21337.	3.1	9
15255	Curved graphene nanoribbons: structure and dynamics of carbon nanobelts. Nanotechnology, 2010, 21, 075710.	2.6	59
15256	Functionalization of Single-Walled Carbon Nanotubes with Poly(methyl methacrylate) by Emulsion Polymerization. Journal of Physical Chemistry C, 2010, 114, 16242-16249.	3.1	10
15257	Graphene Oxide-Assisted Dispersion of Pristine Multiwalled Carbon Nanotubes in Aqueous Media. Journal of Physical Chemistry C, 2010, 114, 11435-11440.	3.1	307
15258	Vibrational Energy Transfer between Carbon Nanotubes and Liquid Water: A Molecular Dynamics Study. Journal of Physical Chemistry B, 2010, 114, 4609-4614.	2.6	12
15260	Molecular Dynamics Simulations of Folding of Supported Graphene. Journal of Physical Chemistry C, 2010, 114, 22472-22477.	3.1	50
15261	Radiation Vulcanization of Natural Rubber Latex Loaded with Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 18, 56-71.	2.1	17
15262	Modification of Carbon Nanotubes Using Poly(vinylidene fluoride) with Assistance of Supercritical Carbon Dioxide: The Impact of Solvent. Journal of Physical Chemistry B, 2010, 114, 5257-5262.	2.6	36
15263	Luminescent Rare-Earth Complex Covalently Modified Single-Walled Carbon Nanotubes: Design, Synthesis, and DNA Sequence-Dependent Red Luminescence Enhancement. Chemistry of Materials, 2010, 22, 5718-5724.	6.7	31
15264	Uniformly Dispersed Pt ⁴⁺ Ni Nanoparticles on Nitrogen-Doped Carbon Nanotubes for Hydrogen Sensing. Journal of Physical Chemistry C, 2010, 114, 238-242.	3.1	53
15265	Tunable dual-frequency oscillators of carbon nanotubes. Journal of Applied Physics, 2010, 108, 054304.	2.5	3
15266	Linear and Non-Linear Optical Properties of Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 2010, 522, 172/[472]-179/[479].	0.9	6
15267	Electrochemical Synthesis and Charge Transport Properties of CdS Nanocrystalline Thin Films with a Conifer-like Structure. Journal of Physical Chemistry C, 2010, 114, 11911-11917.	3.1	30
15268	Experimental Study of Temperature Distribution and Flame Spread Over an Inert Porous Bed Wetted with Liquid Fuel. International Journal of Emerging Multidisciplinary Fluid Sciences, 2010, 2, 1-14.	0.5	6

#	ARTICLE	IF	CITATIONS
15270	Influence of Solid Surface and Functional Group on the Collapse of Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 2100-2107.	3.1	28
15271	Radial Deformation of Carbon Nanotubes in Supersonic Collisions with a Silicon Surface. Journal of Physical Chemistry C, 2010, 114, 12565-12572.	3.1	0
15272	Enzyme-Mediated Assimilation of DNA-Functionalized Single-Walled Carbon Nanotubes. Langmuir, 2010, 26, 613-617.	3.5	9
15273	Study of the Synthesis Conditions of Carbon Nanocoils for Energetic Applications. Energy & Fuels, 2010, 24, 3361-3365.	5.1	23
15274	Incorporation of Carbon Nanotubes into Ultra High Molecular Weight Polyethylene by High Energy Ball Milling. International Journal of Polymer Analysis and Characterization, 2010, 15, 438-449.	1.9	28
15275	Influence of reactant composition in synthesis of carbon nanotubes from pyrolysis flame. , 2010, , .		0
15276	Effects of hydrogen microwave plasma post-treatment on tetrahedral amorphous carbon coated carbon nanotubes. , 2010, , .		0
15277	Easy Fabrication and Resistivity-Temperature Behavior of an Anisotropically Conductive Carbon Nanotube~Polymer Composite. Journal of Physical Chemistry B, 2010, 114, 689-696.	2.6	54
15278	Mechanism for Low Temperature Growth of Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2010, 114, 16236-16241.	3.1	14
15279	Facile Hydrothermal Synthesis of SrNb ₂ O ₆ Nanotubes with Rhombic Cross Sections. Crystal Growth and Design, 2010, 10, 2447-2450.	3.0	9
15280	Six-Fold-Symmetrical Hierarchical ZnO Nanostructure Arrays: Synthesis, Characterization, and Field Emission Properties. Crystal Growth and Design, 2010, 10, 2455-2459.	3.0	61
15281	Impact of channel estimation errors in amplify-and-forward cooperative transmission. , 2010, , .		4
15282	Large scale synthesis of bundles of aligned carbon nanotubes using a natural precursor: turpentine oil. Journal of Experimental Nanoscience, 2010, 5, 498-508.	2.4	51
15283	Alkynes Between Main Group Elements: From Dumbbells via Rods to Squares and Tubes. Chemical Reviews, 2010, 110, 4447-4488.	47.7	79
15284	Local and Global Electronic Effects in Single and Double Boron-Doped Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 1528-1533.	3.1	26
15285	Morphology and Transport Properties of Two-Dimensional Sheet Polymers. Macromolecules, 2010, 43, 3438-3445.	4.8	32
15286	Field emission characteristics of different surface morphologies of ZnO nanostructures formed on carbon nanotubes. , 2010, , .		0
15287	A three-dimensional model of electrical percolation thresholds in carbon nanotube-based composites. Applied Physics Letters, 2010, 96, .	3.3	80

#	ARTICLE	IF	CITATIONS
15288	Spectroscopic and Scanning Probe Studies of a Nondestructive Purification Method for SWNT Suspensions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 652-657.	3.1	6
15289	Fabrication, Characterization, and Optoelectronic Properties of Layer-by-Layer Films Based on Terpyridine-Modified MWCNTs and Ruthenium(III) Ions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 8040-8047.	3.1	70
15290	Hollow Adsorption on Zigzag Single-Walled Carbon Nanotubes: Repulsive First-Neighbor Interactions. <i>Langmuir</i> , 2010, 26, 10750-10757.	3.5	2
15291	Synthesis and Structure of a 3D Porous Network Containing Aromatic 1D Chains of Li ₆ Rings: Experimental and Computational Studies. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10871-10877.	2.5	14
15292	Synthesis and Characterization of Multi-Walled Carbon Nanotubes from Biodiesel Oil: Green Nanotechnology Route. <i>International Journal of Green Nanotechnology: Physics and Chemistry</i> , 2010, 2, P39-P46.	1.5	15
15293	Facile Formation of Branched Titanate Nanotubes to Grow a Three-Dimensional Nanotubular Network Directly on a Solid Substrate. <i>Langmuir</i> , 2010, 26, 1574-1578.	3.5	20
15294	Microstructural Control of Mesoporous Bulk Composed of TiO ₂ -Derived Titanate Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 1136-1140.	8.0	12
15295	Transverse vibration of short carbon nanotubes using cylindrical shell and beam models. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2010, 224, 745-756.	2.1	36
15296	Biological Semiconductor Based on Electrical Percolation. <i>Analytical Chemistry</i> , 2010, 82, 3567-3572.	6.5	12
15297	Many-Body van der Waals Interactions between Graphitic Nanostructures. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1356-1362.	4.6	49
15298	Hundred-Nanometer-Size Crystalline Carbon Tubes from Poly(acrylonitrile) Pore-Filling Anodic Aluminum Oxide Templates via Solvent Annealing. <i>Chemistry of Materials</i> , 2010, 22, 4642-4651.	6.7	14
15299	Single-Wall Carbon Nanotube Latexes. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 649-653.	8.0	48
15300	Assessing the colloidal properties of engineered nanoparticles in water: case studies from fullerene C60 nanoparticles and carbon nanotubes. <i>Environmental Chemistry</i> , 2010, 7, 10.	1.5	134
15301	Anisotropic Carbon Nanotube Films Fabricated from a Lyotropic Liquid-Crystalline Polymer. <i>Macromolecules</i> , 2010, 43, 5496-5499.	4.8	19
15302	Conductive Cable Fibers with Insulating Surface Prepared by Coaxial Electrospinning of Multiwalled Nanotubes and Cellulose. <i>Biomacromolecules</i> , 2010, 11, 2440-2445.	5.4	79
15303	Distinct Infrared Spectral Signatures of the 1,2- and 1,4-Fluorinated Single-Walled Carbon Nanotubes: A Molecular Dynamics Study. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1307-1311.	4.6	12
15304	Preferential Biofunctionalization of Carbon Nanotubes Grown by Microwave Plasma-Enhanced CVD. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9596-9602.	3.1	7
15305	Electronic structures of boron nitride nanotubes subjected to tension, torsion, and flattening: A first-principles DFT study. <i>Physical Review B</i> , 2010, 82, .	3.2	22

#	ARTICLE	IF	CITATIONS
15306	Synthesis of Rhê“carbon nanotube based heterostructures and their enhanced field emission characteristics. Chemical Communications, 2010, 46, 5671.	4.1	13
15307	Dielectrophoretic Growth of Metallic Nanowires and Microwires: Theory and Experiments. Langmuir, 2010, 26, 552-559.	3.5	32
15308	Reversible Dispersion of Single-Walled Carbon Nanotubes Based on a CO ₂ -Responsive Dispersant. Langmuir, 2010, 26, 16667-16671.	3.5	67
15309	Experimental evidence for the formation mechanism of metallic catalyst-free carbon nanotubes. Nano-Micro Letters, 2010, 2, 18-21.	27.0	5
15310	Effect of hydrogen plasma treatment on the growth and microstructures of multiwalled carbon nanotubes. Nano-Micro Letters, 2010, 2, 42-48.	27.0	8
15311	A low-voltage and energy-efficient full adder cell based on carbon nanotube technology. Nano-Micro Letters, 2010, 2, 114-120.	27.0	30
15312	Low-energy electronic states of carbon nanocones in an electric field. Nano-Micro Letters, 2010, 2, 121-125.	27.0	6
15313	Functionalization of carbon nanotubes and other nanocarbons by azide chemistry. Nano-Micro Letters, 2010, 2, 213-226.	27.0	56
15314	Study on the infrared property of polyaniline /multi-wall carbon nanotube composite. , 2010, , .		0
15315	Wurtzite P-Doped GaN Triangular Microtubes as Field Emitters. Journal of Physical Chemistry C, 2010, 114, 9627-9633.	3.1	27
15316	Formation of Tubular Crystals of Pharmaceutical Compounds. Crystal Growth and Design, 2010, 10, 365-370.	3.0	66
15317	Facile Morphological Control of Cyclodextrin Nano- and Microstructures and Their Unique Organogelation Ability. Chemistry of Materials, 2010, 22, 282-284.	6.7	27
15318	Chelating Ligands Tethered to Carbon Nanotubes. Macromolecular Symposia, 2010, 297, 43-53.	0.7	0
15319	Recent Development of the Synthesis and Engineering Applications of One-Dimensional Boron Nitride Nanomaterials. Journal of Nanomaterials, 2010, 2010, 1-16.	2.7	12
15320	Facile Approach to Large-Scale Synthesis of 1D Calcium and Titanium Precipitate (CTP) with High Electrorheological Activity. ACS Applied Materials & Interfaces, 2010, 2, 621-625.	8.0	62
15321	Gas Phase Electrodeposition: A Programmable Multimaterial Deposition Method for Combinatorial Nanostructured Device Discovery. Nano Letters, 2010, 10, 4494-4500.	9.1	23
15322	One-Step Hydrothermal Formation of Bi ₂ O ₃ Nanourchins with Radially Ultrathin Nanotubes. Journal of the Physical Society of Japan, 2010, 79, 094802.	1.6	4
15324	Microwave response of magnetized hydrogen plasma in carbon nanotubes: multiple reflection effects. Applied Optics, 2010, 49, 1728.	2.1	10

#	ARTICLE	IF	CITATIONS
15325	Impacts of doping on thermal and thermoelectric properties of nanomaterials. <i>Nanoscale</i> , 2010, 2, 1058.	5.6	142
15326	Functionalization of Multilayer Fullerenes (Carbon Nano-Onions) using Diazonium Compounds and "Click" Chemistry. <i>Organic Letters</i> , 2010, 12, 840-843.	4.6	85
15327	Theoretical studies on structures, ¹³ C NMR chemical shifts, aromaticity, and chemical reactivity of finite-length open-ended armchair single-walled carbon nanotubes. <i>Nanoscale</i> , 2010, 2, 254-261.	5.6	20
15328	Interfacing Carbon Nanotubes with Living Mammalian Cells and Cytotoxicity Issues. <i>Chemical Research in Toxicology</i> , 2010, 23, 1131-1147.	3.3	150
15329	Chemical approaches towards single-species single-walled carbon nanotubes. <i>Nanoscale</i> , 2010, 2, 1901.	5.6	41
15330	An RF Circuit Model for Interdigital Capacitors-Based Carbon Nanotube Biosensors. <i>IEEE Nanotechnology Magazine</i> , 2010, 9, 682-686.	2.0	22
15331	Boron Nitride Nanotubes and Nanosheets. <i>ACS Nano</i> , 2010, 4, 2979-2993.	14.6	1,981
15332	Modified embedded atom method study of the mechanical properties of carbon nanotube reinforced nickel composites. <i>Physical Review B</i> , 2010, 81, .	3.2	31
15333	Synthesis design strategies to anisotropic chalcogenidenanostructures. <i>CrystEngComm</i> , 2010, 12, 641-659.	2.6	34
15334	Hexagon Preserving Carbon Nanofoams. <i>Carbon Materials</i> , 2010, , 57-77.	1.2	2
15335	Investigation of the Interfacial Binding between Single-Walled Carbon Nanotubes and Heterocyclic Conjugated Polymers. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5320-5326.	2.6	73
15336	Highly Uniform Tm ³⁺ -Doped NaYbF ₄ Microtubes: Controlled Synthesis and Intense Ultraviolet Photoluminescence. <i>Journal of Physical Chemistry C</i> , 2010, 114, 10750-10754.	3.1	56
15337	Trends in the Adsorption of 3d Transition Metal Atoms onto Graphene and Nanotube Surfaces: A DFT Study and Molecular Orbital Analysis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 14141-14153.	3.1	184
15338	In situ monitoring of the acetylene decomposition and gas temperature at reaction conditions for the deposition of carbon nanotubes using linear Raman scattering. <i>Optics Express</i> , 2010, 18, 18223.	3.4	10
15339	Metal-modified and vertically aligned carbon nanotube sensors array for landfill gas monitoring applications. <i>Nanotechnology</i> , 2010, 21, 105501.	2.6	115
15340	Agglomeration and percolation network behavior of semiconductive polymer composites with carbon nanotubes. , 2010, , .		4
15341	Carbon nanotubes: promising agents against free radicals. <i>Nanoscale</i> , 2010, 2, 373.	5.6	133
15342	Tuning electromechanical response of individual CNT by selective electron beam induced deposition. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2038-2041.	3.1	5

#	ARTICLE	IF	CITATIONS
15343	Morphological control of PbWO ₄ crystals in the ethanol/water mixed system with an anionic surfactant. Journal of Alloys and Compounds, 2010, 490, 372-376.	5.5	7
15344	Synthesis of Ti ₂ AlC by spark plasma sintering of TiAl-carbon nanotube powder mixture. Journal of Alloys and Compounds, 2010, 490, 155-159.	5.5	30
15345	Chitosan/MWCNT composites prepared by thermal induced phase separation. Journal of Alloys and Compounds, 2010, 495, 592-595.	5.5	40
15346	Shape selective hydrothermal synthesis of tin sulfide nanoflowers based on nanosheets in the presence of thioglycolic acid. Journal of Alloys and Compounds, 2010, 492, 570-575.	5.5	155
15347	Tribological behavior of carbon nanotube/aluminosilicate composites prepared through TEOS/boehmite catalyst sol-gel and CVD process. Journal of Alloys and Compounds, 2010, 504, S356-S360.	5.5	9
15348	Electromagnetic and microwave absorbing properties of multi-walled carbon nanotubes filled with Ni nanowire. Journal of Alloys and Compounds, 2010, 496, L22-L24.	5.5	89
15349	Regular Cu-based amorphous alloy powder. Journal of Alloys and Compounds, 2010, 497, 234-238.	5.5	4
15350	Removal of chlorophenol from aqueous solutions by multi-walled carbon nanotubes: Kinetic and thermodynamic studies. Journal of Alloys and Compounds, 2010, 500, 87-92.	5.5	53
15351	Multiwall carbon nanotubes purification and oxidation by nitric acid studied by the FTIR and electron spectroscopy methods. Journal of Alloys and Compounds, 2010, 501, 77-84.	5.5	475
15352	Biomolecule-assisted synthesis of Ag ₃ SbS ₃ nanorods. Journal of Alloys and Compounds, 2010, 501, L15-L19.	5.5	17
15353	Sacrificial template method for the synthesis of CdS nanosponges and their photocatalytic properties. Journal of Alloys and Compounds, 2010, 503, 485-489.	5.5	44
15354	Studies of oxidized carbon nanotubes in temperature range RT-630°C by the infrared and electron spectroscopies. Journal of Alloys and Compounds, 2010, 505, 379-384.	5.5	23
15355	Production of carbon nanotubes using mechanical milling in the presence of an exothermic reaction. Journal of Alloys and Compounds, 2010, 505, 37-42.	5.5	9
15356	Electromagnetic and microwave absorbing properties of Co-filled carbon nanotubes. Journal of Alloys and Compounds, 2010, 505, 712-716.	5.5	121
15357	Synthesis of carbon nanorods by reduction of carbon bisulfide. Journal of Alloys and Compounds, 2010, 507, 38-41.	5.5	19
15358	CVD fabrication of carbon nanotubes on electrodeposited flower-like Fe nanostructures. Journal of Alloys and Compounds, 2010, 507, 494-497.	5.5	21
15359	A surfactant dispersed SWCNT-polystyrene composite characterized for electrical and mechanical properties. Composites Part A: Applied Science and Manufacturing, 2010, 41, 842-849.	7.6	34
15360	Multiwalled carbon nanotubes and sepiolite nanoclays as flame retardants for polylactide and its natural fibre reinforced composites. Composites Part A: Applied Science and Manufacturing, 2010, 41, 954-963.	7.6	244

#	ARTICLE	IF	CITATIONS
15361	Surfactant assisted dispersion of functionalized multi-walled carbon nanotubes in aqueous media. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1038-1046.	7.6	145
15362	Carbon nanotubes/cyanate ester composites with low percolation threshold, high dielectric constant and outstanding thermal property. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1321-1328.	7.6	76
15363	Dispersion and functionalization of carbon nanotubes for polymer-based nanocomposites: A review. Composites Part A: Applied Science and Manufacturing, 2010, 41, 1345-1367.	7.6	2,787
15364	The influence of carbon nanotubes on the corrosion behaviour of AZ31B magnesium alloy. Corrosion Science, 2010, 52, 3917-3923.	6.6	75
15365	Poly(styrene sulfonic acid)â€“grafted carbon nanotube as a stable protonic acid catalyst. Catalysis Communications, 2010, 12, 217-221.	3.3	19
15366	Synthesis of carbon nanotubes/metal oxide composites over layered double hydroxides and application in electrooxidation of ethanol. Applied Clay Science, 2010, 50, 64-72.	5.2	33
15367	Radial mechanical properties of single-walled carbon nanotubes using modified molecular structure mechanics. Computational Materials Science, 2010, 47, 985-993.	3.0	52
15368	Carbon dioxide sequestration by carbon nanotubes: Application of graph theoretical approach. Computational Materials Science, 2010, 48, 402-408.	3.0	3
15369	Calculation of the friction coefficient of Cu matrix composite reinforced by carbon nanotubes. Computational Materials Science, 2010, 49, S239-S241.	3.0	20
15370	DFT study of NH ₃ (H ₂ O) _n =0,1,2,3 complex adsorption on the (8,0) single-walled carbon nanotube. Computational Materials Science, 2010, 48, 655-657.	3.0	12
15371	A molecular mechanics approach for the vibration of single-walled carbon nanotubes. Computational Materials Science, 2010, 48, 730-735.	3.0	121
15372	Developing a nanotube-based electromechanical-device for measuring angular velocity. Computational Materials Science, 2010, 48, 837-841.	3.0	10
15373	Vibration characteristics of fluid-conveying carbon nanotubes with curved longitudinal shape. Computational Materials Science, 2010, 49, 99-103.	3.0	58
15374	Elastic properties of imperfect single-walled carbon nanotubes under axial tension. Computational Materials Science, 2010, 49, 143-147.	3.0	35
15375	Different factorsâ€™ effect on the SWNT-fluorocarbon resin interaction: A MD simulation study. Computational Materials Science, 2010, 49, 148-157.	3.0	22
15376	Thermalâ€™mechanical and nonlocal elastic vibration of single-walled carbon nanotubes conveying fluid. Computational Materials Science, 2010, 49, 276-282.	3.0	68
15377	Displacement time history analysis and radial wave propagation velocity in pressurized multiwall carbon nanotubes. Computational Materials Science, 2010, 49, 283-292.	3.0	15
15378	Optical absorption and electron energy loss spectra of single-walled carbon nanotubes. Computational Materials Science, 2010, 49, 450-456.	3.0	38

#	ARTICLE	IF	CITATIONS
15379	Variational formulation and finite element analysis for nonlocal elastic nanobeams and nanoplates. Computational Materials Science, 2010, 49, 492-499.	3.0	223
15380	Axial vibration of carbon nanotube heterojunctions using nonlocal elasticity. Computational Materials Science, 2010, 49, 619-627.	3.0	79
15381	Wave propagation of fluid-conveying single-walled carbon nanotubes via gradient elasticity theory. Computational Materials Science, 2010, 49, 761-766.	3.0	97
15382	Temperature effects on mechanical properties of the (3,3) carbon nanotube X-junctions. Computational Materials Science, 2010, 49, 916-919.	3.0	4
15383	Influence of nickel coating on the interfacial bonding characteristics of carbon nanotube–aluminum composites. Computational Materials Science, 2010, 49, 899-903.	3.0	45
15384	Buckling behavior of carbon nanotube-based intramolecular junctions under compression: Molecular dynamics simulation and finite element analysis. Computational Materials Science, 2010, 50, 253-259.	3.0	47
15385	Effect of defect and C60s density variation on tensile and compressive properties of peapod. Computational Materials Science, 2010, 50, 586-594.	3.0	12
15386	A study on resonance frequency of cantilevered triple-walled carbon nanotube with short middle- and outer-walls. Computational Materials Science, 2010, 50, 686-689.	3.0	7
15387	Numerical characterization of CNT-based polymer composites considering interface effects. Computational Materials Science, 2010, 50, 731-736.	3.0	26
15388	Free transverse vibration of an axially loaded non-prismatic single-walled carbon nanotube embedded in a two-parameter elastic medium. Computational Materials Science, 2010, 50, 742-751.	3.0	60
15389	Molecular dynamics study on oscillation dynamics of a C60 fullerene encapsulated in a vibrating carbon-nanotube-resonator. Computational Materials Science, 2010, 50, 790-795.	3.0	14
15390	Effect of thermal annealing on the electrical conductivity of high-strength bicomponent polymer tapes containing carbon nanofillers. Synthetic Metals, 2010, 160, 337-344.	3.9	37
15391	Interfacial polymerization of carbazole: Morphology controlled synthesis. Synthetic Metals, 2010, 160, 523-528.	3.9	48
15392	Synthesis and characterization of carbon nanotubes decorated with strontium ferrite nanoparticles. Synthetic Metals, 2010, 160, 866-870.	3.9	28
15393	Synthesis and characterization of the carbon nanotube-based composite materials with poly(3,4-ethylenedioxythiophene). Synthetic Metals, 2010, 160, 1266-1272.	3.9	7
15394	Double-walled carbon nanotube/polymer nanocomposites: Electrical properties under dc and ac fields. Synthetic Metals, 2010, 160, 1718-1726.	3.9	40
15395	Influence of pretreatment conditions of Ti film on field emission properties of carbon nanotubes films. Synthetic Metals, 2010, 160, 2051-2054.	3.9	2
15396	Composites of low bandgap conducting polymer-wrapped MWNT and poly(methyl methacrylate) for low percolation and high transparency. Synthetic Metals, 2010, 160, 2224-2227.	3.9	9

#	ARTICLE	IF	CITATIONS
15397	Behavior of mixed multi-walled carbon nanotube/P3HT monolayer at the air/water interface. <i>Synthetic Metals</i> , 2010, 160, 2219-2223.	3.9	10
15398	Multi-wall carbon nanotubes (MWCNTs)-doped polypyrrole DNA biosensor for label-free detection of genetically modified organisms by QCM and EIS. <i>Talanta</i> , 2010, 80, 1164-1169.	5.5	89
15399	Conductive bio-Polymer nano-Composites (CPC): Chitosan-carbon nanotube transducers assembled via spray layer-by-layer for volatile organic compound sensing. <i>Talanta</i> , 2010, 81, 908-915.	5.5	101
15400	Novel surface molecularly imprinted material modified multi-walled carbon nanotubes as solid-phase extraction sorbent for selective extraction gallium ion from fly ash. <i>Talanta</i> , 2010, 82, 304-311.	5.5	58
15401	Investigation of plasma-functionalized multiwalled carbon nanotube film and its application of DNA sensor for <i>Legionella pneumophila</i> detection. <i>Talanta</i> , 2010, 82, 904-911.	5.5	19
15402	Determination of trace amounts of mercury using hierarchically nanostructured europium oxide. <i>Talanta</i> , 2010, 82, 1924-1928.	5.5	8
15403	Preparation of multi-walled carbon nanotubes functionalized magnetic particles by sol-gel technology and its application in extraction of estrogens. <i>Talanta</i> , 2010, 83, 337-343.	5.5	84
15404	A novel amperometric biosensor based on single walled carbon nanotubes with acetylcholine esterase for the detection of carbaryl pesticide in water. <i>Talanta</i> , 2010, 83, 269-273.	5.5	38
15405	Single-walled carbon nanotubes dispersed in aqueous media via non-covalent functionalization: Effect of dispersant on the stability, cytotoxicity, and epigenetic toxicity of nanotube suspensions. <i>Water Research</i> , 2010, 44, 505-520.	11.3	148
15406	Breakdown of Dirac dynamics in honeycomb lattices due to nonlinear interactions. <i>Physical Review A</i> , 2010, 82, .	2.5	37
15407	Synthesis Methods of Carbon Nanotubes and Related Materials. <i>Materials</i> , 2010, 3, 3092-3140.	2.9	215
15408	The Theoretical Study of Mechanical Properties of Graphene Membranes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 497-500.	2.1	17
15409	The alluring potential of functionalized carbon nanotubes in drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2010, 5, 691-707.	5.0	53
15410	Can nitrones functionalize carbon nanotubes?. <i>Chemical Communications</i> , 2010, 46, 252-254.	4.1	28
15411	Biopersistent fiber-induced inflammation and carcinogenesis: Lessons learned from asbestos toward safety of fibrous nanomaterials. <i>Archives of Biochemistry and Biophysics</i> , 2010, 502, 1-7.	3.0	93
15413	Facile Synthesis of Water-Dispersible Conducting Polymer Nanospheres. <i>ACS Nano</i> , 2010, 4, 5193-5202.	14.6	90
15414	Interplay of Catalyst Size and Metal-Carbon Interactions on the Growth of Single-Walled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010, 114, 6952-6958.	3.1	40
15415	QM/MD Simulation of SWNT Nucleation on Transition-Metal Carbide Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 15699-15707.	13.7	93

#	ARTICLE	IF	CITATIONS
15416	Boron-nitride and boron-carbonitride nanotubes: synthesis, characterization and theory. <i>Advances in Physics</i> , 2010, 59, 101-179.	14.4	143
15419	Molecular dynamics simulations of ion transport through carbon nanotubes. I. Influence of geometry, ion specificity, and many-body interactions. <i>Journal of Chemical Physics</i> , 2010, 132, 164513.	3.0	86
15420	Functionalization of Multi-Walled Carbon Nanotubes by Stereoselective Nucleophilic Substitution on PVC. <i>Macromolecules</i> , 2010, 43, 9754-9760.	4.8	22
15421	Flexible strain sensor based on carbon nanotube rubber composites. , 2010, , .		6
15422	Synthetic approaches to aromatic belts: building up strain in macrocyclic polyarenes. <i>Chemical Society Reviews</i> , 2010, 39, 2879.	38.1	143
15423	Nano-Bio-Technology and Sensing Chips: New Systems for Detection in Personalized Therapies and Cell Biology. <i>Sensors</i> , 2010, 10, 526-543.	3.8	37
15424	Multiwall Carbon Nanotube-Filled Natural Rubber: The Effects of Filler Loading and Mixing Method. <i>Polymer-Plastics Technology and Engineering</i> , 2010, 49, 260-266.	1.9	49
15425	Progress in nanotechnology for healthcare. <i>Minimally Invasive Therapy and Allied Technologies</i> , 2010, 19, 127-135.	1.2	52
15426	Solution synthesis of one-dimensional ZnO nanomaterials and their applications. <i>Nanoscale</i> , 2010, 2, 1573.	5.6	313
15427	Two-dimensional carbon nanostructures: Fundamental properties, synthesis, characterization, and potential applications. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	258
15428	Removal of Pesticides from Water and Wastewater by Different Adsorbents: A Review. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2010, 28, 231-271.	2.9	170
15429	Mixed Low-Dimensional Nanomaterial: 2D Ultranarrow MoS ₂ Inorganic Nanoribbons Encapsulated in Quasi-1D Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2010, 132, 13840-13847.	13.7	218
15430	Experimental Study on Carbon Nanotube Generators in Seawater Environment. , 2010, , .		0
15431	Vertically aligned and ordered hematite hierarchical columnar arrays for applications in field-emission, superhydrophilicity, and photocatalysis. <i>Journal of Materials Chemistry</i> , 2010, 20, 2972.	6.7	66
15432	Temperature Dependent Raman Spectra of Carbon Nanobuds. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13540-13545.	3.1	22
15433	Catalysis in Carbon Nanotubes. <i>ChemCatChem</i> , 2010, 2, 41-47.	3.7	288
15434	First-principles calculations of atomic and electronic properties of ZnO nanostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 2581-2593.	1.5	7
15435	Carbon Nanostructure-Based Field-Effect Transistors for Label-Free Chemical/Biological Sensors. <i>Sensors</i> , 2010, 10, 5133-5159.	3.8	145

#	ARTICLE	IF	CITATIONS
15436	All Carbon Nanotubes Are Not Created Equal. Nanostructure Science and Technology, 2010, , 131-152.	0.1	1
15437	Introduction to Carbon Nanotubes. , 2010, , 47-118.		26
15438	Structure and Properties of Imogolite Nanotubes and Their Application to Polymer Nanocomposites. Topics in Applied Physics, 2010, , 169-190.	0.8	6
15439	Chemistry of carbon nanotubes in biomedical applications. Journal of Materials Chemistry, 2010, 20, 1036-1052.	6.7	235
15440	Vibration and symmetry-breaking of boron nitride nanotubes. Nanotechnology, 2010, 21, 365702.	2.6	50
15441	A theoretical investigation of the mechanical stability of single-walled carbon nanotube 3-D junctions. Carbon, 2010, 48, 1626-1635.	10.3	38
15442	Modification of the structure of multi-walled carbon nanotubes by choice of catalyst and their electro-chemical behavior. Materials Chemistry and Physics, 2010, 120, 484-489.	4.0	4
15443	Characterizing the self-sensing performance of carbon nanotube-enhanced fiber-reinforced polymers. , 2010, , .		3
15444	Graphene as intermediate phase in fullerene and carbon nanotube growth: A Youngâ€“Laplace surface-tension model. Applied Physics Letters, 2010, 97, .	3.3	13
15445	Covalent and Noncovalent Phthalocyanineâ€“Carbon Nanostructure Systems: Synthesis, Photoinduced Electron Transfer, and Application to Molecular Photovoltaics. Chemical Reviews, 2010, 110, 6768-6816.	47.7	748
15446	Evaluation of Nanostructural, Mechanical, and Biological Properties of Collagenâ€“Nanotube Composites. IEEE Transactions on Nanobioscience, 2010, 9, 111-120.	3.3	49
15447	Spin transport in carbon nanotubes with magnetic vacancy-defects. Physical Review B, 2010, 81, .	3.2	79
15448	The Transformation Pathways of Mo6S2I8 Nanowires into Morphology-Selective MoS2 Nanostructures. Journal of Physical Chemistry C, 2010, 114, 6458-6463.	3.1	25
15449	Dendrimers and nanotubes: a fruitful association. Chemical Society Reviews, 2010, 39, 2034.	38.1	96
15450	Electroless plating of Co-Fe on the surface of MWCNTs. New Carbon Materials, 2010, 25, 65-70.	6.1	10
15451	Surface functionalization of single-walled carbon nanotubes using photolysis for enhanced dispersion in an organic solvent. New Carbon Materials, 2010, 25, 134-140.	6.1	17
15452	Helical multiwalled carbon nanotubes (h-MWCNTs) synthesized by catalytic chemical vapor deposition. New Carbon Materials, 2010, 25, 175-180.	6.1	18
15453	Carbon microtubes produced from coconut oil. New Carbon Materials, 2010, 25, 321-324.	6.1	12

#	ARTICLE	IF	CITATIONS
15454	Structure evolution of carbon microspheres from solid to hollow. <i>New Carbon Materials</i> , 2010, 25, 431-437.	6.1	8
15455	Synthesis of aligned carbon nanotube with straight-chained alkanes by nebulization method. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 1012-1016.	4.2	8
15456	Fabrication of carbon nanotubes reinforced AZ91D composites by ultrasonic processing. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 1222-1227.	4.2	79
15457	Compocasting of A356-CNT composite. <i>Transactions of Nonferrous Metals Society of China</i> , 2010, 20, 1561-1566.	4.2	116
15458	Preparation of Large Area Double-walled Carbon Nanotube Macro-films with Self-cleaning Properties. <i>Journal of Materials Science and Technology</i> , 2010, 26, 20-26.	10.7	30
15459	A Facile Synthesis of Cerium Phosphate Nanofiber by Solution-solid Method. <i>Journal of Materials Science and Technology</i> , 2010, 26, 45-48.	10.7	11
15460	Carbon Nanotube Resonator in Liquid. <i>Nano Letters</i> , 2010, 10, 3395-3398.	9.1	57
15461	Removal of mercury from water by multi-walled carbon nanotubes. <i>Water Science and Technology</i> , 2010, 61, 591-598.	2.5	79
15462	Effects of alkali metal adsorption on the structural and field emission properties of graphene. <i>Diamond and Related Materials</i> , 2010, 19, 1377-1381.	3.9	27
15463	Modeling the Instability of Carbon Nanotubes: From Continuum Mechanics to Molecular Dynamics. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2010, 1, .	0.8	12
15464	Synthesis, characterization and industrial applications of inorganic fullerene-like tungsten disulfide nanoparticles. , 2010, , .		0
15465	Comparative Study of Methane Adsorption on Single-Walled Carbon Nanotubes. <i>Langmuir</i> , 2010, 26, 786-795.	3.5	33
15466	Microwave sintering of ceramics, composites and metal powders. , 2010, , 222-248.		24
15467	Progress in Carbon Nanotube Electronics and Photonics. <i>MRS Bulletin</i> , 2010, 35, 306-313.	3.5	79
15468	Investigating the plasma chemistry for the synthesis of carbon nanotubes/nanofibres in an inductively coupled plasma enhanced CVD system: the effect of different gas mixtures. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 205201.	2.8	58
15469	Spin-orbit effects in carbon-nanotube double quantum dots. <i>Physical Review B</i> , 2010, 82, .	3.2	34
15470	Electrically and Thermally Conducting Nanocomposites for Electronic Applications. <i>Materials</i> , 2010, 3, 1478-1496.	2.9	54
15471	Morphology Controlled Surface-Assisted Self-Assembled Microtube Junctions and Dendrites of Metal Free Porphyrin-Based Semiconductor. <i>Langmuir</i> , 2010, 26, 3678-3684.	3.5	35

#	ARTICLE	IF	CITATIONS
15472	Carbon Nanotubes Filled with Ferromagnetic Materials. <i>Materials</i> , 2010, 3, 4387-4427.	2.9	114
15473	Special Section Editorial: Carbon Nanotubes. <i>Journal of Nanophotonics</i> , 2010, 4, 041699.	1.0	0
15474	Synthesis and high-rate capability of quadrangular carbon nanotubes with one open end as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2010, 20, 2794.	6.7	66
15475	Graphene and its one-dimensional patterns: from basic properties towards applications. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2010, 1, 033001.	1.5	6
15476	Manipulation and Microrheology of Carbon Nanotubes with Laser-Induced Cavitation Bubbles. <i>Physical Review Letters</i> , 2010, 104, 014501.	7.8	39
15477	Spin and Charge Pairing Instabilities in Nanoclusters and Nanomaterials. <i>Nanoscience and Technology</i> , 2010, , 507-570.	1.5	2
15478	Nano-Bio- Electronic, Photonic and MEMS Packaging. , 2010, , .		38
15479	Probing the electronic structure of carbon nanotubes by nanoscale spectroscopy. <i>Nanoscale</i> , 2010, 2, 1611.	5.6	19
15480	XANES Investigation of Pristine and Fluorinated Single-Walled Carbon Nanotubes Before and After Annealing. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2010, 18, 595-599.	2.1	11
15481	Mechanisms of Single-Walled Carbon Nanotube Nucleation, Growth, and Healing Determined Using QM/MD Methods. <i>Accounts of Chemical Research</i> , 2010, 43, 1375-1385.	15.6	117
15482	The stability of the CNT/Ni field emission cathode fabricated by the composite plating method. <i>Diamond and Related Materials</i> , 2010, 19, 158-161.	3.9	16
15483	Nanostructured carbon electrodes. <i>Journal of Materials Chemistry</i> , 2010, 20, 3553.	6.7	63
15484	One-step synthesis of AlN branched nanostructures by an improved DC arc discharge plasma method. <i>CrystEngComm</i> , 2010, 12, 511-516.	2.6	22
15485	Superconducting tantalum disulfide nanotapes; growth, structure and stoichiometry. <i>Nanoscale</i> , 2010, 2, 90-97.	5.6	18
15486	Rhodium atoms confined in boron nitride nanotubes: Density functional calculations. <i>Europhysics Letters</i> , 2010, 90, 47003.	2.0	2
15487	Alignment of Boron Nitride Nanotubes in Polymeric Composite Films for Thermal Conductivity Improvement. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4340-4344.	3.1	188
15488	Dust-ion-acoustic wave oscillation in metallic multiwalled carbon nanotubes. <i>Physics of Plasmas</i> , 2010, 17, 103710.	1.9	3
15489	Synthesis, Growth Mechanism, and Properties of Open-Hexagonal and Nanoporous-Wall Ceria Nanotubes Fabricated via Alkaline Hydrothermal Route. <i>Crystal Growth and Design</i> , 2010, 10, 1833-1841.	3.0	33

#	ARTICLE	IF	CITATIONS
15490	Synthesis of Diamond Nanowires Using Atmospheric-Pressure Chemical Vapor Deposition. Nano Letters, 2010, 10, 3272-3276.	9.1	66
15491	A Unique Three-Dimensional Photocatalytic Structure Consisting of Highly Crystalline Na ₂ Ti ₃ O ₇ Whiskers Grown from a NaCl Flux. Crystal Growth and Design, 2010, 10, 2533-2540.	3.0	14
15493	Modeling Pure Gas Permeation in Nanoporous Materials and Membranes. Langmuir, 2010, 26, 8373-8385.	3.5	41
15494	Fundamental properties of oligo double-stranded DNA/single-walled carbon nanotube nanobiohybrids. Nanoscale, 2010, 2, 1767.	5.6	34
15495	Template Synthesis of Carbonaceous Tubular Nanostructures with Tunable Surface Properties. Chemistry of Materials, 2010, 22, 6590-6597.	6.7	72
15496	Recent Advances in QSAR Studies. Challenges and Advances in Computational Chemistry and Physics, 2010, , .	0.6	119
15497	Carbon Nanotubes for Optical Power Limiting Applications. , 2010, , 101-129.		2
15498	Formation of atomic carbon chains from graphene nanoribbons. Physical Review B, 2010, 81, .	3.2	54
15499	Polymer/carbon nanotube composite patterns via laser induced forward transfer. Applied Physics Letters, 2010, 96, .	3.3	48
15500	A Review of Mathematical and Mechanical Modelling in Nanotechnology. Mathematics and Mechanics of Solids, 2010, 15, 708-717.	2.4	3
15501	Electrochemical Tailoring of Catalyst Nanoparticles for CNT Spatial-Dimension Control. Journal of the Electrochemical Society, 2010, 157, K47.	2.9	9
15502	Sputter deposition of highly dispersed platinum nanoparticles on carbon nanotube arrays for fuel cell electrode material. Diamond and Related Materials, 2010, 19, 595-598.	3.9	44
15503	Nanoscale Surface Modification Techniques for Pool Boiling Enhancement: A Critical Review and Future Directions. , 2010, , .		0
15504	Structural and Field Emission Properties of GaN/SWCNT Nanocomposites. Journal of the Electrochemical Society, 2010, 157, J415.	2.9	3
15505	Terahertz processes in carbon nanotubes. Journal of Nanophotonics, 2010, 4, 041665.	1.0	52
15506	Fabrication and Characterization of Electrospun PLGA/MWNTs/ Hydroxyapatite Biocomposite Scaffolds for Bone Tissue Engineering. Journal of Bioactive and Compatible Polymers, 2010, 25, 241-259.	2.1	73
15507	Competitive Adsorption of Naphthalene with 2,4-Dichlorophenol and 4-Chloroaniline on Multiwalled Carbon Nanotubes. Environmental Science & Technology, 2010, 44, 3021-3027.	10.0	97
15508	Growth of Carbon Nanocoils from K and Ag Cooperative Bicatalyst Assisted Thermal Decomposition of Acetylene. ACS Nano, 2010, 4, 4149-4157.	14.6	33

#	ARTICLE	IF	CITATIONS
15510	Crystallization in Polymer Nanocomposites. , 0, , 279-300.		4
15511	Optimal Single-Walled Carbon Nanotube Vessels for Short-Term Reversible Storage of Carbon Dioxide at Ambient Temperatures. Journal of Physical Chemistry C, 2010, 114, 21465-21473.	3.1	26
15512	Optimization of Routes for the Synthesis of Bismuth Nanotubes: Implications for Nanostructure Form and Selectivity. Journal of Physical Chemistry C, 2010, 114, 3431-3440.	3.1	35
15513	Nitrogen Doped Carbon Nanotubes from Organometallic Compounds: A Review. Materials, 2010, 3, 2141-2171.	2.9	103
15514	Post-CMOS wafer level growth of carbon nanotubes for low-cost microsensorsâ€”a proof of concept. Nanotechnology, 2010, 21, 485301.	2.6	27
15515	Fabrication of boron carbonitride (BCN) nanotubes and giant fullerene cages. Canadian Journal of Chemistry, 2010, 88, 1256-1261.	1.1	5
15517	Synthesis and Characterization of Multifunctional Nanocomposites of Toughened Epoxy Reinforced with Carbon Nanotubes. , 2010, , .		0
15518	A Reduced-Order General Continuum Method for Dynamic Simulations of Carbon Nanotube. , 2010, , .		0
15519	Vibrational properties and Raman spectra of single-wall carbon nanotubes with divacancy. Journal of Applied Physics, 2010, 107, .	2.5	4
15520	The Effect of Curing Cycle on the Mechanical Properties of MWNT/Epoxy Nanocomposite. International Journal of Polymer Analysis and Characterization, 2010, 15, 182-190.	1.9	24
15521	Nitrogen-Doped Carbon Nanotubes: High Electrocatalytic Activity toward the Oxidation of Hydrogen Peroxide and Its Application for Biosensing. ACS Nano, 2010, 4, 4292-4298.	14.6	297
15522	Synthesis of Iron Oxide Nanoparticles with Control over Shape Using Imidazolium-Based Ionic Liquids. ACS Applied Materials & Interfaces, 2010, 2, 756-759.	8.0	62
15524	Adsorption of an Mn atom on a ZnO sheet and nanotube: a density functional theory study. Journal of Physics Condensed Matter, 2010, 22, 175501.	1.8	26
15525	Water clusters induced assembly of chiral organic microstructures showing reversible phase transformations and luminescence switching. Chemical Communications, 2010, 46, 2307.	4.1	18
15526	High Electrical Conductivity and Transparency in Deoxycholate-Stabilized Carbon Nanotube Thin Films. Journal of Physical Chemistry C, 2010, 114, 6325-6333.	3.1	56
15527	Adsorption of Pb(II) from an Aqueous Solution by Titanium Dioxide/Carbon Nanotube Nanocomposites: Kinetics, Thermodynamics, and Isotherms. Journal of Chemical & Engineering Data, 2010, 55, 4428-4433.	1.9	135
15528	Assessing the Role of Poly(ethylene glycol- <i>bl</i> -propylene sulfide) (PEG-PPS) Block Copolymers in the Preparation of Carbon Nanotube Biocompatible Dispersions. Macromolecules, 2010, 43, 3429-3437.	4.8	29
15529	Nanomaterials â€” the Next Great Challenge for Qsar Modelers. Challenges and Advances in Computational Chemistry and Physics, 2010, , 383-409.	0.6	34

#	ARTICLE	IF	CITATIONS
15530	Infrared properties of single-walled carbon nanotubes calculated from first principles. Journal of Applied Physics, 2010, 107, 024306.	2.5	8
15532	Electronic-Structure-Dependent Bacterial Cytotoxicity of Single-Walled Carbon Nanotubes. ACS Nano, 2010, 4, 5471-5479.	14.6	456
15533	MWCNT Based Thin Film Strain Sensor. , 2010, , .		0
15534	Tight-binding model for carbon nanotubes from <i>ab initio</i> calculations. Journal of Physics Condensed Matter, 2010, 22, 275503.	1.8	20
15535	Nanostructured Biomaterials. Advanced Topics in Science and Technology in China, 2010, , .	0.1	8
15536	Adsorption of Organic Compounds by Carbon Nanomaterials in Aqueous Phase: Polanyi Theory and Its Application. Chemical Reviews, 2010, 110, 5989-6008.	47.7	741
15537	Linear Low-Density Polyethylene/Ethylene-Octene Copolymer/Multi-Walled Carbon Nanotube Composites with Microwave Absorbing Properties. Polymer-Plastics Technology and Engineering, 2010, 49, 481-486.	1.9	15
15538	Hydrogen Storage on Carbon Adsorbents. , 2010, , 137-163.		2
15540	Highly sensitive identification of cancer cells by combining the new tetrathiafulvalene derivative with a β -cyclodextrin/multi-walled carbon nanotubes modified GCE. Analyst, The, 2010, 135, 2965.	3.5	18
15541	Highly Dispersed RuO ₂ Nanoparticles on Carbon Nanotubes: Facile Synthesis and Enhanced Supercapacitance Performance. Journal of Physical Chemistry C, 2010, 114, 2448-2451.	3.1	312
15542	Comparative study of the three sol-gel based solid phase microextraction fibers in extraction of BTEX from water samples using gas chromatography-flame ionization detection. Analytical Methods, 2010, 2, 746.	2.7	40
15543	Damaged carbon nanotubes get healed by ion irradiation. Journal of Applied Physics, 2010, 108, .	2.5	55
15544	Determination of Epinephrine at Different Types of Carbon Paste Electrodes. Analytical Letters, 2010, 43, 1367-1376.	1.8	14
15545	Synergistic Effects of Zirconia-Coated Carbon Nanotube on Crystalline Structure of Polyvinylidene Fluoride Nanocomposites: Electrical Properties and Flame-Retardant Behavior. Langmuir, 2010, 26, 3609-3614.	3.5	43
15546	Lab-on-a-chip for carbon nanotubes based immunoassay detection of Staphylococcal Enterotoxin B (SEB). Lab on A Chip, 2010, 10, 1011.	6.0	68
15547	Nanostructured carbons in catalysis a Janus material—industrial applicability and fundamental insights. Journal of Materials Chemistry, 2010, 20, 7312.	6.7	102
15548	Absorption spectra of AA-stacked graphite. New Journal of Physics, 2010, 12, 083060.	2.9	36
15550	Anomalous $I</i>I</i>^2</i> vs V</i>V</i>^2</i> curve for mono-atomic carbon chains. New Journal of Physics, 2010, 12, 103017.$	2.9	16

#	ARTICLE	IF	CITATIONS
15551	TDIE Modeling of Carbon Nanotube Dipoles at Microwave and Terahertz Bands. IEEE Antennas and Wireless Propagation Letters, 2010, 9, 32-35.	4.0	9
15553	Co(OH) ₃ nanobelts: synthesis, characterization and shape-preserved transformation to pseudo-single-crystalline Co ₃ O ₄ nanobelts. Nanotechnology, 2010, 21, 045605.	2.6	22
15556	Current investigations into carbon nanotubes for biomedical application. Biomedical Materials (Bristol), 2010, 5, 022001.	3.3	108
15557	ZnS nanorods with tripod-like and tetrapod-like legs. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2010, 1, 035005.	1.5	5
15558	Electrical Resistance Change under Strain of CNF/Flexible-Epoxy Composite. Advanced Composite Materials, 2010, 19, 123-138.	1.9	51
15559	Tensile Strength and Young's Modulus of Polyisoprene/Single-Wall Carbon Nanotube Composites Increased by High Pressure Cross-linking.. Macromolecules, 2010, 43, 7680-7688.	4.8	33
15560	Mechanical Nanosprings: Induced Coiling and Uncoiling of Ultrathin Au Nanowires. Journal of the American Chemical Society, 2010, 132, 11920-11922.	13.7	99
15561	Theory of temperature dependence of the conductivity in carbon nanotubes. Journal of Applied Physics, 2010, 107, 013711.	2.5	26
15562	Nanotechnology for Early Cancer Detection. Sensors, 2010, 10, 428-455.	3.8	268
15563	Carbon NanostructuresCarbon nanostructures " Tubes, Graphenegraphene , Fullerenesfullerenes , Wave-Particle Dualitywave-particle duality. , 2010, , 209-266.		1
15565	Crystallization Behavior of Poly(vinylidene fluoride) Nanocomposites Containing Multiwalled Carbon Nanotubes. Journal of Macromolecular Science - Physics, 2010, 49, 1069-1082.	1.0	21
15566	Magnetite Decorated Multiwalled Carbon Nanotube Based Supercapacitor for Arsenic Removal and Desalination of Seawater. Journal of Physical Chemistry C, 2010, 114, 2583-2590.	3.1	146
15567	Theory of binary mixtures of a rodlike polymer and a liquid crystal. Journal of Chemical Physics, 2010, 132, 214902.	3.0	29
15568	Rotary nanomotors based on head-to-head nanotube shuttles. , 2010, , .		1
15569	Effect of Catalyst Concentration on the Growth of Palm oil Based Vertically Aligned Carbon Nanotubes. , 2010, , .		2
15570	Synthesis and Applications of Chalcogenide Nanotubes. Topics in Applied Physics, 2010, , 191-199.	0.8	3
15571	First-Principles Simulations of Chemical Reactions in an HCl Molecule Embedded inside a C or BN Nanotube Induced by Ultrafast Laser Pulses. Physical Review Letters, 2010, 105, 248301.	7.8	16
15573	Toxicity and Clearance of Intratracheally Administered Multiwalled Carbon Nanotubes from Murine Lung. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2010, 73, 1530-1543.	2.3	46

#	ARTICLE	IF	CITATIONS
15574	Effect of Multi-walled Carbon Nanotubes on Pervaporation Characteristics of Chitosan Membrane. Designed Monomers and Polymers, 2010, 13, 287-299.	1.6	8
15575	Experimental characterization of electrical properties of carbon nanotube networks using planar transmission lines. , 2010, , .		1
15576	Molecularly Imprinted Polymer Nanomaterials for Mycotoxin Extraction. ACS Symposium Series, 2010, , 277-292.	0.5	1
15577	Fabrication of Various Electroless Niâ€P Alloy/Multiwalled Carbon Nanotube Composite Films and Their Frictional Properties. Journal of the Electrochemical Society, 2010, 157, D570.	2.9	13
15578	Rheology Study of Chlorinated Polyethylene with Various Cl-Contents and Carbon Nanotube Composites. Journal of Macromolecular Science - Physics, 2010, 49, 57-65.	1.0	1
15579	Fabrication, formation mechanism and optical properties of novel single-crystal Er ³⁺ doped NaYbF ₄ micro-tubes. Journal of Materials Chemistry, 2010, 20, 2152.	6.7	30
15580	Carbon Nanotube Composite Scaffolds and Coatings for Tissue Engineering Applications. Key Engineering Materials, 2010, 441, 31-52.	0.4	30
15581	Flexible 3D conformation of single-walled CNTs/PEG hybrid wormlike structure: PEG lamellae self-assembly on CNT in supercritical CO ₂ , 2010, , .		0
15582	Efficient dispersion of singlewalled carbon nanotubes by novel amphiphilic dendrimers in water and substitution of the pre-adsorbed dendrimers with conventional surfactants and lipids. Chemical Communications, 2010, 46, 7924.	4.1	14
15583	Adsorption Properties of BF ₄ -Anions on Graphene. Japanese Journal of Applied Physics, 2010, 49, 02BB04.	1.5	6
15584	Conversion of nonporous helical cadmium organic framework to a porous form. Chemical Communications, 2010, 46, 5373.	4.1	66
15585	The synthesis and mechanism investigations of morphology controllable 1-D SiC nanostructures via a novel approach. CrystEngComm, 2010, 12, 1134-1138.	2.6	42
15586	Single-crystal MgS nanotubes: synthesis and properties. CrystEngComm, 2010, 12, 1286-1289.	2.6	7
15587	Electrocatalytic oxidation and nanomolar detection of hydrazine by luteolin electrodeposited at a multi-walled carbon nanotube and ionic liquid composite modified screen printed carbon electrode. Analytical Methods, 2010, 2, 1729.	2.7	24
15588	NANOMATERIALS UNDER HIGH TEMPERATURE AND HIGH PRESSURE. Modern Physics Letters B, 2010, 24, 2647-2657.	1.9	11
15589	Manipulating and tailoring the properties of 0-D and 1-D nanomaterials. Journal of Materials Chemistry, 2010, 20, 5567.	6.7	13
15590	Efficient receptor-independent intracellular translocation of aptamers mediated by conjugation to carbon nanotubes. Chemical Communications, 2010, 46, 7379.	4.1	41
15591	Ancient technology/novel nanomaterials: casting titanium carbide nanowires. CrystEngComm, 2010, 12, 2835.	2.6	9

#	ARTICLE	IF	CITATIONS
15592	Novel preparation of polyphosphazene-coated carbon nanotubes as a Pt catalyst support. Chemical Communications, 2010, 46, 8848.	4.1	27
15593	Fabrication of ion-induced carbon-cobalt nanocomposite fibers: Effect of cobalt supply rate. , 2010, , .		1
15594	Translocation events in a single-walled carbon nanotube. Journal of Physics Condensed Matter, 2010, 22, 454112.	1.8	11
15595	Recent advancements in boron nitride nanotubes. Nanoscale, 2010, 2, 2028.	5.6	214
15596	Peashell-like nanostructure—a new kind of one-dimensional nanostructure: the case of magnesium oxide. Chemical Communications, 2010, 46, 3887.	4.1	14
15597	Surface-initiated graft polymerization on multiwalled carbon nanotubes pretreated by corona discharge at atmospheric pressure. Nanoscale, 2010, 2, 389-393.	5.6	15
15598	P2–3: Carbon nanotube based lighting lamp with stabilized fabrication process. , 2010, , .		0
15599	Lab-on-a-chip for label free biological semiconductor analysis of Staphylococcal Enterotoxin B. Lab on A Chip, 2010, 10, 2534.	6.0	13
15600	Metal-free preparation of multi-walled carbon nanotubes based on new-diamond-induced growth mechanism. Journal of Materials Chemistry, 2010, 20, 7104.	6.7	8
15601	Indentation creep and hardness of a Sn-Ag-Cu solder reinforced with Ni-coated carbon nanotubes. , 2010, , .		1
15602	A multi-walled carbon nanotube/poly(urea-formaldehyde) composite prepared by in situ polycondensation for enhanced electrochemical sensing. New Journal of Chemistry, 2010, 34, 453.	2.8	21
15603	A study of temperature effect on vertically aligned carbon nanofibers for bio/chemical sensors development. , 2010, , .		1
15604	Single walled carbon nanotube array as working electrode for dye solar cells. , 2010, , .		0
15605	Excellent Field Emitters: Onion-Shaped Tipped Carbon Nanotubes. Journal of Physical Chemistry C, 2010, 114, 8282-8286.	3.1	6
15606	Highly Efficient Field Emission from Carbon Nanotube~Nanohorn Hybrids Prepared by Chemical Vapor Deposition. ACS Nano, 2010, 4, 7337-7343.	14.6	38
15607	Photoreactivity of Carboxylated Single-Walled Carbon Nanotubes in Sunlight: Reactive Oxygen Species Production in Water. Environmental Science & Technology, 2010, 44, 6674-6679.	10.0	159
15608	A Facile Approach for the Fabrication of Highly Stable Superhydrophobic Cotton Fabric with Multi-Walled Carbon Nanotubes~Azide Polymer Composites. Langmuir, 2010, 26, 7529-7534.	3.5	71
15609	Synthesis of Single Crystalline Tin Nanorods and Their Application as Nanosoldering Materials. Journal of Physical Chemistry C, 2010, 114, 21938-21942.	3.1	22

#	ARTICLE	IF	CITATIONS
15610	Flame synthesis of carbon nano-onions enhanced by acoustic modulation. Nanotechnology, 2010, 21, 435604.	2.6	26
15611	Functional boron nitride nanotubes. , 2010, , .		4
15612	Influence of electrical contacts on the 1/f noise in individual multi-walled carbon nanotubes. Nanotechnology, 2010, 21, 335702.	2.6	12
15613	Water transport through nanoporous materials: Porous silicon and single walled carbon nanotubes. , 2010, , .		1
15614	Measurement-based models of carbon nanotube networks. , 2010, , .		1
15615	Development of Quantum Device Simulator, NEMO-VN2. , 2010, , .		0
15616	Acid Etch Study of Vertically Aligned Carbon Nanofibers (VACNFs). , 2010, , .		0
15617	Carbon thin films deposition by KrF Pulsed Laser at different temperatures. , 2010, , .		1
15618	In-situ TEM investigation of stepping motion of telescoping carbon nanotube. , 2010, , .		0
15619	Synthesis and Optical Properties of ZnO Nanowires for Nanophotonics. , 2010, , .		0
15620	Synthesis and optical properties of ZnO nanowires for nanophotonics. , 2010, , .		0
15621	Aligned Si ₃ N ₄ @SiO ₂ coaxial nanocables derived from a polymeric precursor. Nanotechnology, 2010, 21, 245603.	2.6	3
15622	An outline of the synthesis and properties of silicon nanowires. Semiconductor Science and Technology, 2010, 25, 024003.	2.0	98
15623	Growth of Millimeter-Scale Vertically Aligned Carbon Nanotubes by Microwave Plasma Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2010, 49, 085101.	1.5	15
15624	Growth of metal-free carbon nanotubes with amorphous carbon catalyst layer on glass substrates by microwave plasma enhanced chemical vapor deposition. , 2010, , .		0
15625	Broadband characterization of carbon nanotube networks. , 2010, , .		4
15626	Carbon nanotubes and iron nanofibers preparation using the pentacarbonyl iron from the V-type pyrolysis flame. , 2010, , .		0
15627	Size Dependence of Optical Properties in Semiconductor Nanocrystals. Key Engineering Materials, 2010, 444, 133-162.	0.4	2

#	ARTICLE	IF	CITATIONS
15628	Influence of processing parameters on properties of strain sensors based on carbon nanotube films. , 2010, , .		10
15629	Realistic calculations of carbon-based disordered systems. Journal Physics D: Applied Physics, 2010, 43, 374002.	2.8	19
15630	Advanced microwave-assisted production of hybrid electrodes for energy applications. Energy and Environmental Science, 2010, 3, 1979.	30.8	19
15631	Metal-like single crystalline boron nanotubes: synthesis and in situ study on electric transport and field emission properties. Journal of Materials Chemistry, 2010, 20, 2197.	6.7	157
15632	Controlled Gd ₂ O ₃ nanorods and nanotubes by the annealing of Gd(OH) ₃ nanorod and nanotube precursors and self-templates produced by a microwave-assisted hydrothermal process. CrystEngComm, 2010, 12, 2962.	2.6	40
15633	Conducting gel-fibres based on carrageenan, chitosan and carbon nanotubes. Journal of Materials Chemistry, 2010, 20, 7953.	6.7	40
15634	Diameter dependent electron transfer in supramolecular nanohybrids of (6,5)- or (7,6)-enriched semiconducting SWCNT as donors and fullerene as acceptor. Chemical Communications, 2010, 46, 8749.	4.1	36
15635	Engineering self-assembled fluorescent organic nanotapes and submicrotubes from π -conjugated molecules. Chemical Communications, 2010, 46, 2915.	4.1	44
15636	Influence of odd and even number of Stone-Wales defects on the fracture behaviour of an armchair single-walled carbon nanotube under axial and torsional strain. Molecular Simulation, 2010, 36, 409-417.	2.0	8
15637	Solvation of carbon nanotubes by aniline calculated with density functional tight binding. Physical Chemistry Chemical Physics, 2010, 12, 9893.	2.8	10
15638	An environmentally friendly dispersion method for cup-stacked carbon nanotubes in a water system. Chemical Communications, 2010, 46, 2295.	4.1	13
15639	One-step electrochemical deposition of Prussian Blue-multiwalled carbon nanotube nanocomposite thin-film: preparation, characterization and evaluation for H ₂ O ₂ sensing. Journal of Materials Chemistry, 2010, 20, 1532-1537.	6.7	77
15640	Polypropylene nanocomposites based on C ₆₀ -decorated carbon nanotubes: thermal properties, flammability, and mechanical properties. Journal of Materials Chemistry, 2011, 21, 7782.	6.7	80
15641	Direct preparation of carbon nanotubes and nanobelts from polymer. Nanoscale, 2011, 3, 2145.	5.6	26
15642	Chemical mapping and electrical conductivity of carbon nanotube patterned arrays. Journal of Materials Chemistry, 2011, 21, 14259.	6.7	1
15643	Stepwise surface tailoring of carbon nanotubes with polyelectrolyte brushes and lipid layers to control their intracellular distribution and <i>in vitro</i> toxicity. Soft Matter, 2011, 7, 6883.	2.7	24
15644	Nanocapsule with pump for methane storage. Physical Chemistry Chemical Physics, 2011, 13, 9863.	2.8	3
15645	Reversible white-light actuation of carbon nanotube incorporated liquid crystalline elastomer nanocomposites. Soft Matter, 2011, 7, 7511.	2.7	113

#	ARTICLE	IF	CITATIONS
15646	An engineering-statistical model for synthesis process of nanomaterials. , 2011, , .		0
15647	Study of carbon nanotube flip-chip methodology for interconnect technology via electromagnetic and circuit model approach. , 2011, , .		3
15648	Magnetic properties of all-carbon graphene-fullerene nanobuds. Physical Chemistry Chemical Physics, 2011, 13, 5945.	2.8	27
15649	Ultra-long Sialon nanobelts: large-scale synthesis via a pressure enhanced CVD process and photoluminescence characteristics. Journal of Materials Chemistry, 2011, 21, 5985.	6.7	27
15650	Ice-mediated coating of macroporous cryogels by carbon nanotubes: a concept towards electrically conducting nanocomposites. Chemical Communications, 2011, 47, 5768.	4.1	18
15651	Hydrogen-bonding self-assembly of two dimensional (2D) layer structures generating metal-organic nanotubes. CrystEngComm, 2011, 13, 734-737.	2.6	13
15652	Novel dual-chirality heterostructure nanoscrews and kinetics imaging of linear-to-rotary growth. CrystEngComm, 2011, 13, 1490-1497.	2.6	2
15653	Electrochemical and catalytic investigations of levodopa and folic acid by modified carbon nanotube paste electrode. Analytical Methods, 2011, 3, 2562.	2.7	21
15654	Low-frequency electronic and optical properties of rhombohedral graphite. Physical Chemistry Chemical Physics, 2011, 13, 6036.	2.8	6
15655	Dispersion of Multi-Walled Carbon Nanotubes in Alumina Sol for Carbon Nanotube/Alumina Composite Fiber Preparation. Journal of Dispersion Science and Technology, 2011, 32, 1129-1134.	2.4	4
15656	Optical waveguides and switches based on periodic arrays of carbon nanotubes. , 2011, , .		0
15657	A CMOS readout integrated circuit with wide dynamic range for a CNT bio-sensor array system. , 2011, , .		1
15658	Theoretical Study on the Chiroptical Optical Properties of Chiral Fullerene C ₆₀ Derivative. Journal of Physical Chemistry A, 2011, 115, 13356-13363.	2.5	26
15659	Bulk Synthesis and Structure of a Microcrystalline Allotrope of Germanium (m- <i>allo</i> -Ge). Chemistry of Materials, 2011, 23, 4578-4586.	6.7	38
15660	Isotopic mass effects for low-energy channeling in a silicon crystal. Radiation Effects and Defects in Solids, 2011, 166, 861-865.	1.2	1
15661	Silicon nanocrystal surface engineering and their electronic interaction with carbon based materials. , 2011, , .		0
15662	Modeling Yield of Self-Healing Carbon Nanotubes/Silicon-Nanowire FET-based Nanoarray. , 2011, , .		0
15663	Raman spectroscopy study of growth of multiwalled carbon nano-tubes using Plasma Enhanced Chemical vapour depositon. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
15664	Structures, stabilities and electronic properties of graphdiyne nanoribbons. RSC Advances, 2011, 1, 768.	3.6	124
15665	Modification of self-assembled nanotubes by click chemistry generates new nanotubes by an out-of equilibrium process. Soft Matter, 2011, 7, 1121-1128.	2.7	4
15666	Poly(Butylene Terephthalate)/Single Wall Carbon Nanotubes Composite Nanofibers by Electrospinning. Journal of Macromolecular Science - Physics, 2011, 50, 1031-1041.	1.0	13
15667	High reaction activity of nitrogen-doped carbon nanotubes toward the electrooxidation of nitric oxide. Chemical Communications, 2011, 47, 7137.	4.1	35
15668	Improved exchange reaction in an ionic liquid electrolyte of a quasi-solid-state dye-sensitized solar cell by using 15-crown-5-functionalized MWCNT. Journal of Materials Chemistry, 2011, 21, 18467.	6.7	32
15669	Structural and electronic properties of graphene nanotubeâ€“nanoribbon hybrids. Physical Chemistry Chemical Physics, 2011, 13, 3925.	2.8	7
15670	The self-assembly of single-walled metalâ€“organic nanotubes constructed from CuCl ₂ chains and ditetrazoles. CrystEngComm, 2011, 13, 6610.	2.6	14
15671	Synthesis and photoluminescence of ultralong amorphous SiO ₂ nanowires catalysed by germanium. CrystEngComm, 2011, 13, 4082.	2.6	20
15672	Investigation of Extracellular Signal Shapes Recorded by Planar Metal Microelectrodes Covered With Carbon Nanotubes: Modeling and Simulations. IEEE Nanotechnology Magazine, 2011, 10, 1328-1336.	2.0	2
15673	Separation and enrichment of semiconducting carbon nanotubes and its application to highly sensitive carbon nanotube gas sensor. , 2011, , .		4
15674	Wet photochemical filling: a new low-diameter tube-filling method based on differentiated nanotube surfaces. Journal of Materials Chemistry, 2011, 21, 19337.	6.7	4
15675	Innovative purification method to extract magnetic carbon nanotubes from arc-discharged single-walled carbon nanotubes. , 2011, , .		0
15676	Chemically reactive species remain alive inside carbon nanotubes: a density functional theory study. Physical Chemistry Chemical Physics, 2011, 13, 337-346.	2.8	17
15677	Microstructural and property changes in high pressure treated carbon nanotube/polybutadiene composites. Journal of Materials Chemistry, 2011, 21, 13672.	6.7	5
15678	Interconnect technologies using Carbon Nanotubes: Current status and future challenges. , 2011, , .		1
15679	The alignment of carbon nano tube between Aluminum electrodes using AC dielectrophoresis method. , 2011, , .		0
15680	Nano-gyroscope assembly using Carbon Nanotube based on nanorobotic manipulation. , 2011, , .		6
15681	Nanotechnology Enables Wireless Gas Sensing. IEEE Microwave Magazine, 2011, 12, 84-95.	0.8	31

#	ARTICLE	IF	CITATIONS
15682	CuO-Nanowire Field Emitter Prepared on Glass Substrate. IEEE Nanotechnology Magazine, 2011, 10, 1161-1165.	2.0	16
15683	Comparison of the growth and field emission characteristics of carbon nanotube grown by Fe/Ti and Co/Ti bi-layered catalysts. , 2011, , .		0
15684	Geometric optimization of carbon nanotubes (CNTs) microchannel with liquid flow. , 2011, , .		0
15685	Study of silane modified MWNT/polyimide composites by in-situ polymerization. , 2011, , .		0
15686	Quantum fluctuations increase the self-diffusive motion of para-hydrogen in narrow carbon nanotubes. Physical Chemistry Chemical Physics, 2011, 13, 9824.	2.8	4
15687	Supramolecular design of high-performance poly(l-lactide)/carbon nanotube nanocomposites: from melt-processing to rheological, morphological and electrical properties. Journal of Materials Chemistry, 2011, 21, 16190.	6.7	23
15688	Synthesis of Fe ₃ O ₄ /Pt Nanoparticles Decorated Carbon Nanotubes and Their Use as Magnetically Recyclable Catalysts. Journal of Nanomaterials, 2011, 2011, 1-10.	2.7	14
15689	Unexpected optical response of single ZnO nanowires probed using controllable electrical contacts. Physical Chemistry Chemical Physics, 2011, 13, 6931.	2.8	7
15690	ZnO Tip-Coated Carbon Nanotubes Core-Shell Structures for Photoluminescence and Electron Emission Properties. Journal of the Electrochemical Society, 2011, 158, K112.	2.9	22
15691	Optical and electrochemical responses of an anthrax biomarker based on single-walled carbon nanotubes covalently loaded with terbium complexes. Chemical Communications, 2011, 47, 12521.	4.1	109
15692	“Supramolecular wrapping chemistry” by helix-forming polysaccharides: a powerful strategy for generating diverse polymeric nano-architectures. Chemical Communications, 2011, 47, 1961.	4.1	103
15693	Positive Temperature Coefficient Characteristics of Multi-walled Carbon Nanotube Filled Polyvinylidene Fluoride Nanocomposites. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 737-741.	2.2	4
15694	Progress in non-volatile memory devices based on nanostructured materials and nanofabrication. Journal of Materials Chemistry, 2011, 21, 14097.	6.7	112
15695	Adsorptions of hydrogen on graphene and other forms of carbon structures: First principle calculations. Nanoscale, 2011, 3, 2444.	5.6	27
15696	Suspended Carbon Nanotube Lateral Field Emitters and Receivers. IEEE Nanotechnology Magazine, 2011, 10, 1043-1046.	2.0	0
15697	Determination of carbamate pesticides in water and fruit samples using carbon nanotube reinforced hollow fiber liquid-phase microextraction followed by high performance liquid chromatography. Analytical Methods, 2011, 3, 1410.	2.7	41
15698	Pasternak effect on the buckling of embedded single-walled carbon nanotubes using non-local cylindrical shell theory. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 3045-3059.	2.1	7
15699	Self-organized hierarchical zinc phosphide nanoribbon-zinc sulfide nanowire heterostructures. CrystEngComm, 2011, 13, 7305.	2.6	7

#	ARTICLE	IF	CITATIONS
15700	Fully organic ITO replacement through acid doping of double-walled carbon nanotube thin film assemblies. RSC Advances, 2011, 1, 662.	3.6	36
15701	Enhanced field emission property of a novel Al ₂ O ₃ nanoparticle-decorated tubular SiC emitter with low turn-on and threshold field. Physical Chemistry Chemical Physics, 2011, 13, 985-990.	2.8	34
15702	Finest nanocomposite films from carbon nanotube-loaded poly(methyl methacrylate) nanoparticles obtained by the Ouzo effect. Soft Matter, 2011, 7, 5528.	2.7	27
15703	Partially unzipped carbon nanotubes as a superior catalyst support for PEM fuel cells. Chemical Communications, 2011, 47, 9429.	4.1	34
15704	Organosilica nanotubes: large-scale synthesis and encapsulation of metal nanoparticles. Chemical Communications, 2011, 47, 8073.	4.1	59
15705	Phase transformation of TiO ₂ nanobelts and TiO ₂ (B)/anatase interface heterostructure nanobelts with enhanced photocatalytic activity. CrystEngComm, 2011, 13, 6643.	2.6	107
15706	In situ characterization of tensile-bending load bearing ability of multi-walled carbon nanotubes in alumina-based nanocomposites. Journal of Materials Chemistry, 2011, 21, 4272.	6.7	32
15707	Uptake and withdrawal of droplets from carbon nanotubes. Nanoscale, 2011, 3, 134-141.	5.6	29
15708	Determination of Stress Distribution around Two Carbon Nanotubes Embedded in Infinite Metal Matrix Using Nonlocal Theory of Elasticity. Applied Mechanics and Materials, 0, 110-116, 1696-1700.	0.2	0
15709	Tunable MEMS capacitors using vertical carbon nanotube arrays grown on metal lines. Nanotechnology, 2011, 22, 025203.	2.6	16
15710	<i>In Vivo</i> Studies of the Toxicity of Multi-Wall Carbon Nanotubes. Advanced Materials Research, 2011, 345, 287-291.	0.3	2
15711	Electronic properties of graphene and boron-nitride based nanostructured materials. Journal of Physics: Conference Series, 2011, 302, 012018.	0.4	9
15712	Density Functional Theory Study of Influence of Hydrogen Absorption on the Field Emission Properties of Carbon Nanotubes. Advanced Materials Research, 0, 306-307, 1166-1169.	0.3	0
15713	Observation of Flexoelectricity in a Mixture of Carbon Single Walled Nanotubes with a Nematic Liquid Crystal. Molecular Crystals and Liquid Crystals, 2011, 545, 58/[1282]-66/[1290].	0.9	4
15714	Fabricating novel complicated composites using polyetherimide-carbon nanotubes-(Ba ^{0.8} Sr ^{0.2})(Ti ^{0.9} Zr ^{0.1})O ₃ , 2011, , .		0
15715	Evaluation of Mechanical Properties of Single-Walled Carbon Nanotubes. Materials Science Forum, 2011, 694, 12-16.	0.3	2
15716	Photothermovoltaic effect in carbon nanotubes: En route toward junctionless infrared photocells and light sensors. Applied Physics Letters, 2011, 98, 243113.	3.3	17
15717	Electrical property of carbon nanotube Fiber spun from vertically aligned carbon nanotube forest. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
15718	Humidity hysteresis and temperature property of MWNT-SiO ₂ thin film humidity sensor at AC testing. , 2011, , .		0
15719	The Effect of Acid-Treatment of Carbon Nanotubes on the Thermal Kinetics of Isotactic Polypropylene. Journal of Macromolecular Science - Physics, 2011, 50, 665-678.	1.0	13
15720	The Effect of Carbon Black/Multiwall Carbon Nanotube Hybrid Fillers on the Properties of Natural Rubber Nanocomposites. Polymer-Plastics Technology and Engineering, 2011, 50, 660-666.	1.9	57
15721	Preparation of Chrysotile Nanotubes under Hydrothermal Condition. Advanced Materials Research, 2011, 284-286, 688-691.	0.3	1
15722	Functionalization of carbon nanotubes for polymer nanocomposites. , 2011, , 55-91.		3
15723	Mechanical stretching behavior simulation of SWCNT and SWCNT-Ni. , 2011, , .		0
15724	Study on NH ₃ plasma-treated polyimide/MWNT composites on electrical and surface properties. , 2011, , .		0
15725	Surface modification effect on the thermal and mechanical properties of multi-walled carbon nanotubes / epoxy nanocomposites. , 2011, , .		0
15726	Enhanced dynamic electromechanical properties of electrophoresis assembled carbon nanotube-polymer piezoelectric transducers. , 2011, , .		0
15727	Fabrication sub-10nm metallic gratings with carbon nanotube - A study by molecular dynamics simulation method. , 2011, , .		0
15728	A Dielectric Effect on Normal Mode Analysis and Symmetry of BNNT Nanotube. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 182-196.	2.1	19
15729	Integration for All Configurations. IEEE Microwave Magazine, 2011, 12, 42-50.	0.8	4
15730	Characterization and Carbonization of Highly Oriented Poly(diiododiacetylene) Nanofibers. Macromolecules, 2011, 44, 2626-2631.	4.8	30
15731	A journey in search of single-walled metal-organic nanotubes. Journal of Materials Chemistry, 2011, 21, 13140.	6.7	73
15732	Ferroelectric Gated Electrical Transport in CdS Nanotetrapods. Nano Letters, 2011, 11, 1913-1918.	9.1	23
15733	Interactions between Block Copolymers and Single-Walled Carbon Nanotubes in Aqueous Solutions: A Small-Angle Neutron Scattering Study. Langmuir, 2011, 27, 751-759.	3.5	45
15734	Formation of Amorphous Zinc Citrate Spheres and Their Conversion to Crystalline ZnO Nanostructures. Langmuir, 2011, 27, 371-378.	3.5	49
15735	Carbon Nanotube Electron Ionization Source for Portable Mass Spectrometry. Analytical Chemistry, 2011, 83, 6527-6531.	6.5	7

#	ARTICLE	IF	CITATIONS
15736	SWNT Nucleation from Carbon-Coated SiO ₂ Nanoparticles via a Vapor-Solid-Solid Mechanism. Journal of the American Chemical Society, 2011, 133, 621-628.	13.7	67
15737	Open Carbon Nanocones as Candidates for Gas Storage. Journal of Physical Chemistry C, 2011, 115, 24528-24533.	3.1	33
15738	Role of alkali metal adsorption and defect position on the work function of a (5, 5) capped single-walled carbon nanotube. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, .	1.2	8
15739	Nitrogen Dilution Effect on Flame Synthesis of Carbon Nanostructures with Acoustic Modulation. Journal of Physical Chemistry C, 2011, 115, 16287-16294.	3.1	6
15740	Efficient CNTFET-based Ternary Full Adder Cells for Nanoelectronics. Nano-Micro Letters, 2011, 3, 43-50.	27.0	68
15741	One-Step Cutting of Multi-Walled Carbon Nanotubes Using Nanoscissors. Nano-Micro Letters, 2011, 3, 86-90.	27.0	8
15742	Synthesis of Multi-walled Carbon Nanotubes/ZnO Nanocomposites using Absorbent Cotton. Nano-Micro Letters, 2011, 3, 115-120.	27.0	20
15743	CVD Grown Materials for High Temperature Electronic Devices : A Review. Transactions of the Indian Ceramic Society, 2011, 70, 1-9.	1.0	3
15744	Directed Crystallization of CuSO ₄ ·5H ₂ O onto Carbon Nanotube Microarchitectures. Journal of Physical Chemistry C, 2011, 115, 20964-20969.	3.1	3
15745	Synthesis of Carbon Nanofibers on Hydroxyapatite by Flame Deposition. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 605-616.	2.1	10
15746	A study of sulfuric and Acetic acid effect on vertically aligned carbon Nanofibers for bio/chemical sensors development. , 2011, , .		0
15747	Excitonic effects in the optical properties of a SiC sheet and nanotubes. Physical Review B, 2011, 84, .	3.2	136
15748	Transport and noise spectroscopy of MWCNT/HDPE composites with different nanotube concentrations. Journal of Applied Physics, 2011, 110, 113716.	2.5	26
15749	Wiring-up catalytically active metals in solution with sulfonated carbon nanotubes. Journal of Materials Chemistry, 2011, 21, 4768.	6.7	8
15750	CoNTub v2.0 - Algorithms for Constructing C3-Symmetric Models of Three-Nanotube Junctions. Journal of Chemical Information and Modeling, 2011, 51, 1492-1505.	5.4	27
15751	Earliest Life on Earth: Habitats, Environments and Methods of Detection. , 2011, , .		14
15753	Growth of Two-Dimensional Carbon Nanostructures and Their Electrical Transport Properties at Low Tempertaure. Japanese Journal of Applied Physics, 2011, 50, 01AF02.	1.5	1
15754	Effect of Curvature on the Î±-Helix Breaking Tendency of Carbon Based Nanomaterials. Journal of Physical Chemistry C, 2011, 115, 8886-8892.	3.1	57

#	ARTICLE	IF	CITATIONS
15755	Longitudinal Splitting of Boron Nitride Nanotubes for the Facile Synthesis of High Quality Boron Nitride Nanoribbons. Nano Letters, 2011, 11, 3221-3226.	9.1	122
15756	Carbon Nanotube Microspheres Produced by Surfactant-Mediated Aggregation. Journal of Physical Chemistry C, 2011, 115, 3881-3887.	3.1	8
15757	Study of Carbon-Nanotube Web Thermoacoustic Loud Speakers. Japanese Journal of Applied Physics, 2011, 50, 01BJ10.	1.5	24
15758	Determination of Trace Aluminum by Anodic Adsorptive Stripping Voltammetry Using a Multi-Walled Carbon Nanotube Modified Carbon Paste Electrode. Analytical Letters, 2011, 44, 1521-1535.	1.8	7
15759	Nematic electroclinic effect in a carbon-nanotube-doped achiral liquid crystal. Physical Review E, 2011, 83, 041707.	2.1	27
15760	Carbon nanotube/ultrafine grade Ti(C,N) based cermets composite. Materials Science and Technology, 2011, 27, 1287-1293.	1.6	13
15761	Diffusion-Driven Formation of MoS ₂ Nanotube Bundles Containing MoS ₂ Nanopods. Chemistry of Materials, 2011, 23, 4716-4720.	6.7	18
15762	Growth and Optical Properties of Rectangular Hollow Tube TiO ₂ Crystals with Rutile-Type Structure. Crystal Growth and Design, 2011, 11, 4427-4432.	3.0	11
15763	Fabrication and Reaction Efficiency Evaluation of Nano/Micro Structure with Carbon Nanotubes for Micro Bio Analysis. Advanced Materials Research, 0, 403-408, 1146-1152.	0.3	1
15764	Complete Structural Characterization of Ni ₃ Si ₂ O ₅ (OH) ₄ Nanotubes: Theoretical and Experimental Comparison. Journal of Physical Chemistry C, 2011, 115, 11442-11446.	3.1	35
15765	Fabrication, Formation Mechanism, and Magnetic Properties of Metal Oxide Nanotubes via Electrospinning and Thermal Treatment. Journal of Physical Chemistry C, 2011, 115, 373-378.	3.1	71
15766	Construction of Tubular Molecule Aggregations of Graphdiyne for Highly Efficient Field Emission. Journal of Physical Chemistry C, 2011, 115, 2611-2615.	3.1	298
15767	Tunable Coordinative Assembly of a Disc-Like Molecule and Metal Ions: From Microspheres to Microtubes and Microrods. Chemistry of Materials, 2011, 23, 1505-1511.	6.7	28
15768	Electric-Field-Induced Formation of Multiwalled Carbon Nanotube Conductive Pathways in Positive Dielectric Anisotropic Nematic Liquid Crystal Host. Japanese Journal of Applied Physics, 2011, 50, 121701.	1.5	1
15769	Guided Carbon Nanocapsules for Hydrogen Storage. Journal of Physical Chemistry C, 2011, 115, 5485-5491.	3.1	12
15770	Preparation and Properties of Multiwall Carbon Nanotubes/Polystyrene-Block-Polybutadiene-Block-Polystyrene Composites. Industrial & Engineering Chemistry Research, 2011, 50, 8016-8022.	3.7	22
15771	Molecule Delivery by the Domino Effect of Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 20471-20480.	3.1	13
15772	Enhanced Photoluminescence in Au-Embedded ITO Nanowires. ACS Applied Materials & Interfaces, 2011, 3, 4677-4681.	8.0	4

#	ARTICLE	IF	CITATIONS
15773	Irregular Modulation of Density-of-States of Nano-Peapods Encapsulating Gd@C ₈₂ Metallofullerenes. Journal of Physical Chemistry C, 2011, 115, 3968-3972.	3.1	4
15774	Effect of Carbon Nanotubes Content on the Structure and Photo-Oxidation Behaviors of Polypropylene. Advanced Materials Research, 2011, 189-193, 1222-1227.	0.3	1
15775	Behavior of Ag ₃ Clusters Inside a Nanometer-Sized Space of ZSM-5 Zeolite. Inorganic Chemistry, 2011, 50, 6533-6542.	4.0	24
15776	Nanomaterial Preparations by Microwave-Assisted Solution Combustion Method and Material Properties of SnO ₂ Powder - A Status Review. Materials Science Forum, 0, 671, 69-120.	0.3	5
15777	Photoluminescent Lanthanide-Doped Silica Nanotubes: Sol-Gel Transcription from Functional Template. Journal of Physical Chemistry C, 2011, 115, 7323-7330.	3.1	48
15778	Experimental investigation of gas flow in copper channel carbon nanotubes coated micro coolers. , 2011, , .		0
15779	Iodine doped carbon nanotube cables exceeding specific electrical conductivity of metals. Scientific Reports, 2011, 1, 83.	3.3	305
15781	Synthesis of Functional Polypropylene as Efficient Dispersing Agent for Carbon Nanotubes. Advanced Materials Research, 0, 332-334, 1876-1879.	0.3	0
15782	Fe Nano-Films Processed by Ammonia for the Catalyzed Growth of Aligned Carbon Nanotube Arrays. Advanced Materials Research, 2011, 332-334, 1967-1973.	0.3	0
15783	Investigation of the effective parameters in the growth of carbon nanotubes by thermal chemical vapour deposition method. Journal of Experimental Nanoscience, 2011, 6, 399-408.	2.4	0
15784	Amorphous Carbon Impurities Play an Active Role in Redox Processes of Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 25281-25284.	3.1	40
15785	Transfer doping of a metallic carbon nanotube and graphene on metal surfaces. Physical Review B, 2011, 83, .	3.2	17
15786	Adsorptive behavior of CO ₂ , CH ₄ and their mixtures in carbon nanospace: a molecular simulation study. Physical Chemistry Chemical Physics, 2011, 13, 3985.	2.8	66
15787	Sensitivity of (5,5) SWSiCNTs and SWSiCNTs with Stone-Wales Defects toward Hazardous Molecules. Journal of Physical Chemistry C, 2011, 115, 11493-11499.	3.1	27
15788	Effects of interface characteristics on mechanical properties of carbon nanotube reinforced polymer composites. Materials Science and Technology, 2011, 27, 916-922.	1.6	5
15789	Metallofullerenes in Composite Carbon Nanotubes as a Nanocomputing Memory Device. IEEE Nanotechnology Magazine, 2011, 10, 947-952.	2.0	18
15790	Carbon nanotube — Poly pyrrol based microwave resonant circuit for napropamide detection. , 2011, , .		0
15791	A Unique Independent One-Dimensional Green Luminescent Coordination Polymer Nanotube Based on an Unsymmetric Tricarboxylate Linker. Crystal Growth and Design, 2011, 11, 3744-3747.	3.0	67

#	ARTICLE	IF	CITATIONS
15792	Excited-State Proton Transfer and Geminate Recombination in Hydrogels Based on Self-Assembled Peptide Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24763-24770.	3.1	12
15793	Structural and Electronic Properties of Helical TiS ₂ Nanotubes Studied with Objective Molecular Dynamics. <i>Journal of Physical Chemistry C</i> , 2011, 115, 6392-6396.	3.1	27
15794	Catalytic Decomposition of Toxic Chemicals over Metal-Promoted Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2011, 45, 726-731.	10.0	14
15795	Growth of Carbon Nanotubes Catalyzed by Defect-Rich Graphite Surfaces. <i>Chemistry of Materials</i> , 2011, 23, 1637-1639.	6.7	39
15796	Polymorphism in Self-Assembled AB ₆ Binary Nanocrystal Superlattices. <i>Journal of the American Chemical Society</i> , 2011, 133, 2613-2620.	13.7	84
15798	Morphology Dependence of Raman Properties of Carbon Nanotube Layers Formed on Nanostructured CeO ₂ Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1480-1483.	3.1	24
15799	Critical Investigation of Defect Site Functionalization on Single-Walled Carbon Nanotubes. <i>Chemistry of Materials</i> , 2011, 23, 67-74.	6.7	54
15800	Multiwalled carbon nanotube-based bi-enzyme electrode for total cholesterol estimation in human serum. <i>Journal of Experimental Nanoscience</i> , 2011, 6, 84-95.	2.4	10
15801	Single-Walled Aluminosilicate Nanotubes with Organic-Modified Interiors. <i>Journal of Physical Chemistry C</i> , 2011, 115, 7676-7685.	3.1	72
15802	Nanoheterostructures on TiO ₂ nanobelts achieved by acid hydrothermal method with enhanced photocatalytic and gas sensitive performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 7937.	6.7	142
15803	From Single-Component Nanowires to Composite Nanotubes. <i>Crystal Growth and Design</i> , 2011, 11, 4406-4412.	3.0	7
15804	On the preparation of composite poly(butyl acrylate)/carbon nanotube nanoparticles by miniemulsion polymerization of butyl acrylate. <i>Polymer Journal</i> , 2011, 43, 700-707.	2.7	7
15805	<i>Ab initio</i> simulation of helium inside carbon nanotubes. <i>Journal of Physics: Conference Series</i> , 2011, 324, 012040.	0.4	4
15806	Effects of Temperature on the Synthesis of Carbon Nanotubes by FeCl ₃ as a Floating Catalyst Precursor. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2011, 19, 575-583.	2.1	6
15807	Synthesis of Aligned Polyaniline Belts by Interfacial Control Approach. <i>Journal of Physical Chemistry C</i> , 2011, 115, 12048-12053.	3.1	25
15808	Bulk synthesis, growth mechanism and properties of highly pure ultrafine boron nitride nanotubes with diameters of sub-10 nm. <i>Nanotechnology</i> , 2011, 22, 145602.	2.6	97
15809	Titanoniobate and niobate nanosheet photocatalysts: superior photoinduced hydrophilicity and enhanced thermal stability of unilamellar Nb ₃ O ₈ nanosheet. <i>Energy and Environmental Science</i> , 2011, 4, 535-542.	30.8	68
15810	Surface-Induced Patterns from Evaporating Droplets of Aqueous Carbon Nanotube Dispersions. <i>Langmuir</i> , 2011, 27, 7163-7167.	3.5	42

#	ARTICLE	IF	CITATIONS
15811	Elastic Moduli of Carbon Nanohorns. Journal of Nanomaterials, 2011, 2011, 1-6.	2.7	7
15812	Growth of Linear Carbon Chains inside Thin Double-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 13166-13170.	3.1	81
15813	Refined Shell Models for the Vibration Analysis of Multiwalled Carbon Nanotubes. Mechanics of Advanced Materials and Structures, 2011, 18, 476-483.	2.6	24
15814	Status of characterization techniques for carbon nanotubes and suggestions towards standards suitable for toxicological assessment. Journal of Physics: Conference Series, 2011, 304, 012087.	0.4	3
15815	Nickel Catalyst-Assisted Vertical Growth of Dense Carbon Nanotube Forests on Bulk Copper. Journal of Physical Chemistry C, 2011, 115, 3534-3538.	3.1	49
15816	Polyhedral Topological Crystals. Crystal Growth and Design, 2011, 11, 4789-4793.	3.0	4
15817	Carbon Nanotubes in Nanocomposites and Hybrids with Hydroxyapatite for Bone Replacements. Journal of Tissue Engineering, 2011, 2011, 674287.	5.5	39
15818	Preparation of CNTs/PANi Core/Shell-Structured Nanowires and Improvement of Sensitivity of Chemical Sensors. Materials Science Forum, 0, 686, 438-447.	0.3	1
15819	Silver nanotubes " Biopolymer-assisted hydrothermal synthesis. Canadian Journal of Chemistry, 2011, 89, 1245-1248.	1.1	0
15820	BaAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ Nanotube Synthesis by Heating Conversion of Homogeneous Coprecipitates and Afterglow Characteristics. Journal of Physical Chemistry C, 2011, 115, 1708-1713.	3.1	43
15821	Improving the Chemical Reactivity of Single-Wall Carbon Nanotubes with Lithium Doping. Journal of Physical Chemistry C, 2011, 115, 20282-20288.	3.1	19
15822	Fabrication of Carbon Nanotube/Zinc Oxide Composite Films by Electrodeposition. Japanese Journal of Applied Physics, 2011, 50, 085504.	1.5	3
15823	Synthesis, Electrical and Humidity Sensing Properties of BaTiO ₃ Nanofibers via Electrospinning. Advanced Materials Research, 0, 418-420, 684-687.	0.3	6
15824	Synthesis of carbon nanowalls by plasma-enhanced chemical vapor deposition in a CO/H ₂ microwave discharge system. Diamond and Related Materials, 2011, 20, 1129-1132.	3.9	42
15825	Graphene nanopatterns with crystallographic orientation control for nanoelectronic applications. Diamond and Related Materials, 2011, 20, 1212-1217.	3.9	9
15826	Unique fusiform alumina nanotubes fabricated by combined anodization. Chemical Communications, 2011, 47, 2173.	4.1	28
15827	Density-Functional Theory Studies of Step-Kinked Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 4235-4239.	3.1	11
15828	Interfacing carbon nanotubes of arbitrary chiralities into linear heterojunctions. Physical Review B, 2011, 83, .	3.2	2

#	ARTICLE	IF	CITATIONS
15829	Sorption of Peat Humic Acids to Multi-Walled Carbon Nanotubes. Environmental Science & Technology, 2011, 45, 9276-9283.	10.0	105
15830	Novel Trumpet-Shaped Conjugation Bridge (Carbon Nanocone) for Nonlinear Optical Materials. Journal of Physical Chemistry C, 2011, 115, 18545-18551.	3.1	28
15831	Ethylenediamine-Functionalized Carbon Nanotubes and Nylon-6 Composites. Advanced Materials Research, 2011, 287-290, 462-466.	0.3	0
15832	A COMPARATIVE STUDY OF OPTICAL PROPERTIES OF C3N AND CN3 SYSTEMS THROUGH DENSITY FUNCTIONAL THEORY (DFT). International Journal of Nanoscience, 2011, 10, 361-365.	0.7	2
15833	Gas flow rate and synthesis time dependence of MWCNT growth by chemical vapour deposition. , 2011, , .		3
15834	Synthesis and solid-state studies of self-assembled C60 microtubes. Diamond and Related Materials, 2011, 20, 178-182.	3.9	3
15835	A numerical approach to the metal-catalyzed growth process of carbon nanotubes. Diamond and Related Materials, 2011, 20, 334-338.	3.9	25
15836	Respiratory effects of manufactured nanoparticles. Revue Des Maladies Respiratoires, 2011, 28, e66-e75.	1.7	22
15837	Catalytic etching of {100}-oriented diamond coating with Fe, Co, Ni, and Pt nanoparticles under hydrogen. Diamond and Related Materials, 2011, 20, 1165-1170.	3.9	35
15838	Carbon Nanotube as a basic material for Sensors: A review. , 2011, , .		3
15839	Scanning gate imaging of quantum dots in 1D ultra-thin InAs/InP nanowires. Nanotechnology, 2011, 22, 185201.	2.6	19
15840	Development of Electrochemiluminescent Biosensor for Choline Based on Carbon Nanotube Modified Platinum Electrode. Chinese Journal of Analytical Chemistry, 2011, 39, 985-989.	1.7	3
15841	Cerium Oxide Promoted Ni/MgO Catalyst for the Synthesis of Multi-walled Carbon Nanotubes. Chinese Journal of Catalysis, 2011, 32, 1323-1328.	14.0	32
15842	Density functional studies of the fluorine-terminated boron nitride nanotubes through computations of quadrupole coupling constants. Computational and Theoretical Chemistry, 2011, 977, 29-33.	2.5	9
15843	Physics of Carbon Nanostructures. , 2011, , 155-194.		6
15844	Nanoparticle-based microextraction techniques in bioanalysis. Bioanalysis, 2011, 3, 2533-2548.	1.5	32
15845	Electronic States and Transport Properties of Carbon Crystalline: Graphene, Nanotube, and Graphite. , 2011, , 359-382.		3
15846	Nanotechnology to Improve Electrochemical Bio-sensing. , 2011, , 127-149.		0

#	ARTICLE	IF	CITATIONS
15847	Electroanalytical determination of carbendazim by square wave adsorptive stripping voltammetry with a multiwalled carbon nanotubes modified electrode. <i>Analytical Methods</i> , 2011, 3, 1202.	2.7	60
15848	Evolution of Properties in Prolate (GaAs) _n Clusters. <i>Journal of Physical Chemistry C</i> , 2011, 115, 97-107.	3.1	30
15849	Reflections on My Career in Condensed Matter Physics. <i>Annual Review of Condensed Matter Physics</i> , 2011, 2, 1-9.	14.5	3
15850	Controlled Synthesis and Properties of Rare Earth Nanomaterials. <i>Fundamental Theories of Physics</i> , 2011, 41, 275-472.	0.3	32
15851	Dispersion of single-walled carbon nanotubes with poly(pyridinium salt)s. <i>Polymer Chemistry</i> , 2011, 2, 1953.	3.9	15
15852	Atomistic simulations of the implantation of low-energy boron and nitrogen ions into graphene. <i>Physical Review B</i> , 2011, 83, .	3.2	127
15853	Theoretical studies of the CN _x nanotube with four-nitrogen divacancy (4ND) defects. <i>Diamond and Related Materials</i> , 2011, 20, 36-41.	3.9	13
15854	A simulation study on the combined effects of nanotube shape and shear flow on the electrical percolation thresholds of carbon nanotube/polymer composites. <i>Journal of Applied Physics</i> , 2011, 109, 084342.	2.5	64
15855	Interface Applications in Nanomaterials. <i>Interface Science and Technology</i> , 2011, 18, 333-429.	3.3	2
15856	Spontaneous Emergence of Long-Range Shape Symmetry. <i>Nano Letters</i> , 2011, 11, 160-163.	9.1	7
15857	Influence of Carbon Nanoparticles on the Rheological Characteristics of Short-Term Aged Asphalt Binders. <i>Journal of Materials in Civil Engineering</i> , 2011, 23, 423-431.	2.9	99
15858	Thermoelectric Properties of Ultrasmall Single-Wall Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2011, 115, 21996-22001.	3.1	21
15860	Simultaneous determination of ellagic and gallic acid in Punica granatum, Myrtus communis and Itriphal formulation by an electrochemical sensor based on a carbon paste electrode modified with multi-walled carbon nanotubes. <i>Analytical Methods</i> , 2011, 3, 636.	2.7	70
15861	The design, fabrication, and photocatalytic utility of nanostructured semiconductors: focus on TiO ₂ -based nanostructures. <i>Nanotechnology, Science and Applications</i> , 2011, 4, 35.	4.6	194
15864	Encapsulated Ferromagnetic Nanoparticles in Carbon Shells. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011, , 127-135.	0.2	15
15865	Lattice-gas model of nonadditive interacting particles on nanotube bundles. <i>Journal of Chemical Physics</i> , 2011, 134, 064702.	3.0	8
15866	Cellulose Acetate Reverse Osmosis Membranes Made by Phase Inversion Method: Effects of a Shear Treatment Applied to the Casting Solution on the Membrane Structure and Performance. <i>Separation Science and Technology</i> , 2011, 46, 395-403.	2.5	5
15867	Carbon Nanotubes in Animal Models: A Systematic Review on Toxic Potential. <i>Tissue Engineering - Part B: Reviews</i> , 2011, 17, 57-69.	4.8	41

#	ARTICLE	IF	CITATIONS
15868	Arc plasma synthesis of carbon nanostructures: where is the frontier?. Journal Physics D: Applied Physics, 2011, 44, 174006.	2.8	65
15869	Synthesis of individual ultra-long carbon nanotubes and transfer to other substrates. Journal of Experimental Nanoscience, 2011, 6, 547-556.	2.4	20
15870	Molten salt synthesis of silicon carbide nanorods using carbon nanotubes as templates. Journal of Materials Chemistry, 2011, 21, 18325.	6.7	57
15871	Tuning the Raman Resonance Behavior of Single-Walled Carbon Nanotubes via Covalent Functionalization. Journal of the American Chemical Society, 2011, 133, 16938-16946.	13.7	33
15872	Carbon Nanotube-Based Sensors: Overview. , 2011, , 519-528.		2
15873	Transport Properties in Carbon Nanotubes. , 2011, , 45-109.		3
15874	Strength of Nanotubes and Megacables. , 2011, , 137-154.		0
15875	Non-degradable polymer nanocomposites for drug delivery. Expert Opinion on Drug Delivery, 2011, 8, 765-778.	5.0	14
15876	Genesis of diamond nanotubes from carbon nanotubes. Europhysics Letters, 2011, 95, 28002.	2.0	5
15877	Carbon-based liquid crystals: art and science. Liquid Crystals, 2011, 38, 1427-1449.	2.2	67
15878	Enhancing the Photostability of Poly(3-hexylthiophene) by Preparing Composites with Multiwalled Carbon Nanotubes. Journal of Physical Chemistry B, 2011, 115, 919-924.	2.6	39
15879	Thermal plasmas for nanofabrication. Journal Physics D: Applied Physics, 2011, 44, 174025.	2.8	166
15880	Chemical Preparation of Advanced Ceramic Materials. , 2011, , 429-454.		5
15881	Enhanced photocatalytic activity of mesoporous TiO_2 aggregates by embedding carbon nanotubes as electron-transfer channel. Physical Chemistry Chemical Physics, 2011, 13, 3491-3501.	2.8	476
15882	Carbon-Based Materials: Growth, Properties, MEMS/NEMS Technologies, and MEM/NEM Switches. Critical Reviews in Solid State and Materials Sciences, 2011, 36, 66-101.	12.3	55
15883	Atomic force microscope measurements and $\text{LCAO} + \text{S}$ calculations of vdW calculations of contact length between a carbon nanotube and a graphene surface. Physical Review B, 2011, 83, .	3.2	19
15884	Thermophysical properties of carbonâ€‘argon and carbonâ€‘helium plasmas. Journal Physics D: Applied Physics, 2011, 44, 355207.	2.8	48
15885	Mechanics of Pipes Conveying Fluidsâ€‘Part II: Applications and Fluidelastic Problems. Journal of Pressure Vessel Technology, Transactions of the ASME, 2011, 133, .	0.6	95

#	ARTICLE	IF	CITATIONS
15886	The impact of gate insulator dielectric constant on performance of CNTFETs at different ambient temperatures. , 2011, , .		1
15887	A study on the performance evaluation of a CNT-OPAMP by variation of SWNTs in the CNFET-channel region. , 2011, , .		3
15888	Hierarchically structured carbon-based composites: Design, synthesis and their application in electrochemical capacitors. Nanoscale, 2011, 3, 529-545.	5.6	281
15889	Non-equilibrium molecular dynamics simulation of heat transfer in carbon nanotubes - verification and model validation. , 2011, , .		4
15890	Comprehension of Nanocomposites. Interface Science and Technology, 2011, , 777-819.	3.3	3
15892	Application of carbon fibers to biomaterials: A new era of nano-level control of carbon fibers after 30-years of development. Chemical Society Reviews, 2011, 40, 3824.	38.1	146
15893	Nanotechnology and Drug Delivery: An Update in Oncology. Pharmaceutics, 2011, 3, 171-185.	4.5	13
15894	Fabrication and characterization of buckypaper-based nanostructured electrodes as a novel material for biofuel cell applications. Physical Chemistry Chemical Physics, 2011, 13, 5831.	2.8	87
15895	Electrochemical Carbon Nanotube Filter for Adsorption, Desorption, and Oxidation of Aqueous Dyes and Anions. Journal of Physical Chemistry C, 2011, 115, 3621-3629.	3.1	190
15896	Improvement of the field emission properties of carbon nanotubes by CNT/Fe ₃ O ₄ composite electrophoretic deposition. Journal of Semiconductors, 2011, 32, 126001.	3.7	6
15897	Polybenzoxazine-CNT Nanocomposites. , 2011, , 541-554.		1
15898	Synthesis of Graphene-CNT Hybrid Nanostructures. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	5
15899	Combined Antenna and Localized Plasmon Resonance in Raman Scattering from Random Arrays of Silver-Coated, Vertically Aligned Multiwalled Carbon Nanotubes. Nano Letters, 2011, 11, 365-371.	9.1	84
15900	High-Resolution Atomic Force Microscopy Study of Hexaglycylamide Epitaxial Structures on Graphite. Langmuir, 2011, 27, 5879-5890.	3.5	32
15901	Design of superhydrophobic surfaces by synthesis of carbon nanotubes over Co-Mo nanocatalysts deposited under microwave irradiation on Ti-containing mesoporous silica thin films. Physical Chemistry Chemical Physics, 2011, 13, 6309.	2.8	15
15902	Self-Assembled Hierarchical Structure of Fullerene Building Blocks; Single-Walled Carbon Nanotubes and C60. Journal of Physical Chemistry C, 2011, 115, 10483-10488.	3.1	10
15903	Growth of carbon-based nanostructures. , 2011, , .		1
15904	β-cyclodextrin Covalently Functionalized Single-Walled Carbon Nanotubes: Synthesis, Characterization and a Sensitive Biosensor Platform. Journal of Biomaterials and Nanobiotechnology, 2011, 02, 454-460.	0.5	10

#	ARTICLE	IF	CITATIONS
15905	Dispersion of denatured carbon nanotubes by using a dimethylformamide solution. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011, 2, 035015.	1.5	34
15906	Temperature dependent magnetic properties of Co nanowires and nanotubes prepared by electrodeposition method. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	40
15907	Ferromagnetism Induced by Intrinsic Defects and Boron Substitution in Single-Wall SiC Nanotubes. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9987-9992.	2.5	10
15908	General hypothesis for nanowire synthesis. II: Universality. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	12
15910	Nuclear Magnetic Resonance Spectroscopy and Imaging of Carbon Nanotubes. , 2011, , 125-150.		0
15911	Effective Photocatalytic Degradation of Atrazine over Titania-Coated Carbon Nanotubes (CNTs) Coupled with Microwave Energy. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3034-3041.	2.5	53
15912	Electromechanical Response of a SiC Nanotube under Local Torsional Deformation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 24347-24352.	3.1	6
15913	<i>In Vivo</i> Osseointegration of Nano-Designed Composite Coatings on Titanium Implants. <i>ACS Nano</i> , 2011, 5, 4790-4799.	14.6	81
15914	Theoretical analysis of telescopic oscillations in multi-walled carbon nanotubes. <i>Low Temperature Physics</i> , 2011, 37, 337-342.	0.6	9
15915	Natural Colloids and Manufactured Nanoparticles in Aquatic and Terrestrial Systems. , 2011, , 89-129.		26
15916	Vibration of Single- and Double-Layered Graphene Sheets. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2011, 2, .	0.8	76
15917	Highly conductive carbon nanotube buckypapers with improved doping stability via conjugational cross-linking. <i>Nanotechnology</i> , 2011, 22, 485708.	2.6	60
15918	Amphiphilic Multiwalled Carbon Nanotube Polymer Hybrid with Improved Conductivity and Dispersibility Produced by Functionalization with Poly(vinylbenzyl)triethylammonium Chloride. <i>Journal of Physical Chemistry C</i> , 2011, 115, 19897-19909.	3.1	21
15919	A Model for the Strength of Yarn-like Carbon Nanotube Fibers. <i>ACS Nano</i> , 2011, 5, 1921-1927.	14.6	162
15920	Covalent modification of single wall carbon nanotubes upon gamma irradiation in aqueous media. <i>Hemijška Industrija</i> , 2011, 65, 479-487.	0.7	4
15921	Electronic and Optoelectronic Properties and Applications of Carbon Nanotubes. , 2011, , 480-498.		0
15922	Highly selective CNTFET based sensors using metal diversification methods. , 2011, , .		0
15923	Role of Different Nanoparticles in Elastomeric Nanocomposites. <i>Advanced Structured Materials</i> , 2011, , 3-55.	0.5	6

#	ARTICLE	IF	CITATIONS
15924	Materials Engineering with Swift Heavy Ions. Springer Series in Materials Science, 2011, , 142-230.	0.6	0
15925	Biosensors based on one-dimensional nanostructures. Journal of Materials Chemistry, 2011, 21, 8940.	6.7	70
15926	Host-guest Functional Materials. , 2011, , 405-428.		5
15927	Graphdiyne: a versatile nanomaterial for electronics and hydrogen purification. Chemical Communications, 2011, 47, 11843.	4.1	329
15928	Theoretical Studies of Transition-Metal-Doped Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 9306-9311.	3.1	32
15929	Synthesis and self-assembly of complex hollow materials. Journal of Materials Chemistry, 2011, 21, 7511.	6.7	138
15930	First-Principles-Based Multiscale, Multiparadigm Molecular Mechanics and Dynamics Methods for Describing Complex Chemical Processes. Topics in Current Chemistry, 2011, 307, 1-42.	4.0	9
15931	Inorganic Nanotubes. , 2011, , 391-412.		5
15932	Synthesis Approaches of Inorganic Nanotubes. , 2011, , 413-429.		0
15933	Resonance Energy Transfer (RET)-Induced Intermolecular Pairing Force: A Tunable Weak Interaction and Its Application in SWNT Separation. Journal of Physical Chemistry A, 2011, 115, 8155-8166.	2.5	8
15934	Impact of carbondiimide crosslinker used for magnetic carbon nanotube mediated GFP plasmid delivery. Nanotechnology, 2011, 22, 285103.	2.6	33
15935	Electromagnetic Modeling of Multiwalled Carbon Nanotubes as Nanorod Electrodes for Optimizing Device Geometry in a Nanophotonic Device. IEEE Nanotechnology Magazine, 2011, 10, 547-554.	2.0	4
15936	Inorganic Nanotubes beyond Cylindrical Matter. , 2011, , 315-333.		3
15937	New Strategy for Label-Free and Time-Resolved Luminescent Assay of Protein: Conjugate Eu ³⁺ +Complex and Aptamer-Wrapped Carbon Nanotubes. Analytical Chemistry, 2011, 83, 782-789.	6.5	85
15938	CNT-Encapsulated β -SiC Nanocrystals: Enhanced Migration by Confinement in Carbon Channels. Crystal Growth and Design, 2011, 11, 1891-1895.	3.0	16
15939	Characterizing the viscoelastic properties of layer-by-layer carbon nanotube-polyelectrolyte thin films. Smart Materials and Structures, 2011, 20, 075020.	3.5	7
15940	Novel architecture of carbon nanotube decorated poly(methyl methacrylate) microbead vapour sensors assembled by spray layer by layer. Journal of Materials Chemistry, 2011, 21, 4142.	6.7	67
15941	Green chemical decoration of multiwalled carbon nanotubes with polyoxometalate-encapsulated gold nanoparticles: visible light photocatalytic activities. Journal of Materials Chemistry, 2011, 21, 2282-2287.	6.7	82

#	ARTICLE	IF	CITATIONS
15942	Multi-scale theoretical investigation of hydrogen storage in covalent organic frameworks. <i>Nanoscale</i> , 2011, 3, 856.	5.6	88
15943	Immobilization of enzymes onto carbon nanotubes. <i>Hemijaska Industrija</i> , 2011, 65, 423-430.	0.7	4
15944	Giant Dielectric Permittivity Nanocomposites: Realizing True Potential of Pristine Carbon Nanotubes in Polyvinylidene Fluoride Matrix through an Enhanced Interfacial Interaction. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5515-5521.	3.1	341
15945	Implications of Measurement Standards for Characterizing and Minimizing Risk of Nanomaterials. <i>Nanostructure Science and Technology</i> , 2011, , 165-177.	0.1	0
15946	Functionalization and Solubilization of Carbon and Inorganic Nanostructures. , 2011, , 445-490.		4
15947	Adsorption of collagen onto single walled carbon nanotubes: a molecular dynamics investigation. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 13046.	2.8	21
15948	Kinesin I ATPase Manipulates Biohybrids Formed from Tubulin and Carbon Nanotubes. <i>Methods in Molecular Biology</i> , 2011, 743, 77-93.	0.9	6
15949	Covalently Assembled Gold Nanoparticle-Carbon Nanotube Hybrids via a Photoinitiated Carbene Addition Reaction. <i>Chemistry of Materials</i> , 2011, 23, 1519-1525.	6.7	71
15950	Single-walled carbon nanotubes as optical materials for biosensing. <i>Nanoscale</i> , 2011, 3, 1949.	5.6	79
15951	Carbon Nanotubes/Ionophore Modified Electrode for Anodic Stripping Determination of Lead. <i>Analytical Letters</i> , 2011, 44, 1746-1757.	1.8	6
15952	Modular design for the controlled production of polymeric nanotubes from polymer/peptide conjugates. <i>Polymer Chemistry</i> , 2011, 2, 1956.	3.9	81
15953	Gas Sensing with Au-Decorated Carbon Nanotubes. <i>ACS Nano</i> , 2011, 5, 4592-4599.	14.6	256
15954	Chapter 3. Inorganic Nanowires. <i>RSC Nanoscience and Nanotechnology</i> , 2011, , 343-530.	0.2	1
15955	Physical properties of poly(vinylidene fluoride) composites with polymer functionalized multiwalled carbon nanotubes using nitrene chemistry. <i>Journal of Materials Chemistry</i> , 2011, 21, 15752.	6.7	64
15956	Local temperature measurements on nanoscale materials using a movable nanothermocouple assembled in a transmission electron microscope. <i>Nanotechnology</i> , 2011, 22, 485707.	2.6	15
15957	Investigation on Buckling Behavior of Short MWCNT. <i>Procedia Engineering</i> , 2011, 14, 250-255.	1.2	2
15958	Systematics of Toroidal, Helically-Coiled Carbon Nanotubes, High-genus Fullerenes, and Other Exotic Graphitic Materials. <i>Procedia Engineering</i> , 2011, 14, 2373-2385.	1.2	16
15959	A Rapid Detection of Pesticide Residue Based on Piezoelectric Biosensor. <i>Procedia Engineering</i> , 2011, 15, 4480-4485.	1.2	17

#	ARTICLE	IF	CITATIONS
15960	A Carbon-Nanotube Resistive Respiratory Sensor by using Dielectrophoresis Technique. Procedia Engineering, 2011, 25, 868-871.	1.2	0
15961	Nanoplatforms for constructing new approaches to cancer treatment, imaging, and drug delivery: What should be the policy?. Neurolmage, 2011, 54, S106-S124.	4.2	146
15962	Modulation of the Work Function of Capped Single-Walled Carbon Nanotube by Alkali-Metal Adsorption: A Theoretical Study. Journal of Physical Chemistry C, 2011, 115, 8928-8933.	3.1	25
15963	Microwave-Assisted Synthesis of a Core-Shell MWCNT/GONR Heterostructure for the Electrochemical Detection of Ascorbic Acid, Dopamine, and Uric Acid. ACS Nano, 2011, 5, 7788-7795.	14.6	303
15964	Evidence of Multiwall Carbon Nanotube Deformation Caused by Poly(3-hexylthiophene) Adhesion. Journal of Physical Chemistry C, 2011, 115, 6324-6330.	3.1	18
15965	Molecular modeling for calculation of mechanical properties of EPON862 / SWCNTs composites. , 2011, , .		4
15966	Enhanced carbon dioxide adsorption through carbon nanoscrolls. Physical Review E, 2011, 84, 066304.	2.1	23
15967	Capture of Trace Sulfur Gases from Binary Mixtures by Single-Walled Carbon Nanotube Arrays: A Molecular Simulation Study. Environmental Science & Technology, 2011, 45, 4832-4838.	10.0	57
15968	Membranes Coupled with Nanotechnology for Daily Drinking Water: an Overview. Journal of Petroleum & Environmental Biotechnology, 2011, 02, .	0.3	2
15969	Graphitic GaN-ZnO and corresponding nanotubes. Journal of Materials Chemistry, 2011, 21, 17071.	6.7	5
15970	Polyelectrolyte-modified multi-walled carbon nanotubes for the adsorption of chromium(vi). Analytical Methods, 2011, 3, 457.	2.7	24
15971	DFT Study of Hydrogen Adsorption on Palladium Decorated Graphene. Journal of Physical Chemistry C, 2011, 115, 4315-4323.	3.1	135
15972	Underneath the fascinations of carbon nanotubes and graphene nanoribbons. Energy and Environmental Science, 2011, 4, 627.	30.8	74
15973	Plasmonic Band Gaps and Waveguide Effects in Carbon Nanotube Arrays Based Metamaterials. ACS Nano, 2011, 5, 9138-9143.	14.6	36
15974	UNITED ATOM MODEL APPROACH FOR DESCRIBING C60 INTERACTION ENERGY IN MOLECULAR MECHANICS. Journal of Theoretical and Computational Chemistry, 2011, 10, 423-434.	1.8	2
15975	Quantum dots and carbon nanotubes in oncology: a review on emerging theranostic applications in nanomedicine. Nanomedicine, 2011, 6, 1101-1114.	3.3	106
15976	Preparation and Electrocatalytic Activity of Gold Nanoparticles Immobilized on the Surface of 4-Mercaptobenzoyl-Functionalized Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 1746-1751.	3.1	20
15977	Filling of Carbon Nanotubes with Compounds in Solution or Melted Phase. Carbon Nanostructures, 2011, , 41-65.	0.1	4

#	ARTICLE	IF	CITATIONS
15978	Nanoscale helices from inorganic materials. Journal of Materials Chemistry, 2011, 21, 6775.	6.7	87
15979	Joining carbon nanotubes. Nanoscale, 2011, 3, 4503.	5.6	28
15980	Local Cancer Therapy with Magnetic Nanoparticles. Else-KrÄ¶ner-Fresenius-Symposia, 2011, , 154-164.	0.1	2
15981	Carbon nanotubes and pleural damage: Perspectives of nanosafety in the light of asbestos experience. Biointerphases, 2011, 6, P1-P17.	1.6	46
15984	A new crucible design of the arc-discharge method for the synthesis of graphite encapsulated metal (GEM) nanoparticles. Diamond and Related Materials, 2011, 20, 330-333.	3.9	6
15985	Theoretical Study of Different Solvents and Temperatures Effects on Single-Walled Carbon Nanotube and Temozolomide Drug: A QM/MM Study. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 653-667.	2.1	13
15986	EFFECT OF NITROGEN VARIATION ON THE SYNTHESIS OF VERTICALLY ALIGNED BAMBOO-SHAPED Câ€“N NANOTUBES USING SUNFLOWER OIL. International Journal of Nanoscience, 2011, 10, 809-813.	0.7	17
15987	AMIDE FUNCTIONALIZATION OF MULTIWALLED CARBON NANOTUBES AND THEIR EVALUATION FOR Hg (II) REMOVAL FROM WATER. International Journal of Nanoscience, 2011, 10, 205-208.	0.7	5
15988	Upright Standing Graphene Formation on Substrates. Journal of the American Chemical Society, 2011, 133, 16072-16079.	13.7	47
15989	Preparation and Characterizations of Na₂Ti₃O₇, H₂Ti₃O₇ and TiO₂ Nanobelts. Advanced Materials Research, 0, 306-307. 1233-1237.	0.3	9
15990	Nanotechnology Standards. Nanostructure Science and Technology, 2011, , .	0.1	22
15991	Synthesis and H[sub 2] Gas Sensing Properties of Titanium Oxide Nanotube Arrays via Electrochemical Anodization. AIP Conference Proceedings, 2011, , .	0.4	1
15992	Nanostructure and Surface Composition of Pt and Ru Binary Catalysts on Polyaniline-Functionalized Carbon Nanotubes. Langmuir, 2011, 27, 14654-14661.	3.5	45
15993	Nanoscale Biocatalysis. Methods in Molecular Biology, 2011, , .	0.9	1
15994	SYNTHESIS OF CNT-METAL OXIDE NANO-COMPOSITE ELECTRODE MATERIALS FOR SUPERCAPACITATOR BY LOW-PRESSURE MOCVD. Materials Research Society Symposia Proceedings, 2011, 1303, 177.	0.1	1
15995	Templated-assisted one-dimensional silica nanotubes: synthesis and applications. Journal of Materials Chemistry, 2011, 21, 6122.	6.7	106
15996	Plasma nanoscience: setting directions, tackling grand challenges. Journal Physics D: Applied Physics, 2011, 44, 174001.	2.8	172
15997	The sorption of influenza viruses and antibiotics on carbon nanotubes and polyaniline nanocomposites. Journal of Physics: Conference Series, 2011, 291, 012004.	0.4	7

#	ARTICLE	IF	CITATIONS
15998	Nanostructured Materials for Engineering Applications. , 2011, , .		22
15999	Effects of Solution Chemistry on the Adsorption of Ibuprofen and Triclosan onto Carbon Nanotubes. Langmuir, 2011, 27, 12960-12967.	3.5	219
16000	Edge effects, electronic arrangement, and aromaticity patterns on finite-length carbon nanotubes. Physical Chemistry Chemical Physics, 2011, 13, 12844.	2.8	18
16001	A General Sonochemical Approach to Rapid Synthesis of 1D Single-Crystalline $\text{MSn}(\text{OH})_6$ ($\text{M}=\text{Ba}, \text{Ca}, \text{Sr}$) Nanostructures. Advanced Materials Research, 2011, 295-297, 1554-1559.	0.3	2
16002	Electronic and Magnetic Properties and Structural Stability of BeO Sheet and Nanoribbons. ACS Applied Materials & Interfaces, 2011, 3, 4787-4795.	8.0	62
16003	Carbon Nanotube with Chemically Bonded Graphene Leaves for Electronic and Optoelectronic Applications. Journal of Physical Chemistry Letters, 2011, 2, 1556-1562.	4.6	190
16004	Electronic structures and work functions of BC ₃ nanotubes: A first-principle study. Journal of Applied Physics, 2011, 110, .	2.5	20
16005	Supramolecular Structure and Function 10. , 2011, , .		6
16006	Nonlocal buckling behavior of bonded double-nanoplate-systems. Journal of Applied Physics, 2011, 110, .	2.5	19
16007	Preparation and Applications of Ceramic Composite Phases from Inorganic Polymers. , 2011, , 103-156.		2
16008	Study on Morphology, Rheology and Mechanical Properties of Thermoplastic Elastomer Polyolefin (TPO)/Carbon Nanotube Nanocomposites with Reference to the Effect of Polypropylene-grafted-Maleic Anhydride (PP-g-MA) as a Compatibilizer. International Journal of Polymeric Materials and Polymeric Biomaterials, 2011, 60, 384-397.	3.4	62
16009	Physical model for the growth of amorphous carbon nanotubes. Applied Physics Letters, 2011, 98, 163111.	3.3	3
16010	Synthesis and magnetic characterization of Co-NiO-Ni core-shell nanotube arrays. Journal of Applied Physics, 2011, 110, .	2.5	34
16011	Ordered phases of encapsulated diamondoids into carbon nanotubes. Nanotechnology, 2011, 22, 315708.	2.6	22
16012	Bottom-up coarse-graining of a simple graphene model: The blob picture. Journal of Chemical Physics, 2011, 134, 064106.	3.0	37
16013	Long-term ageing influence on rheological characteristics of asphalt binders containing carbon nanoparticles. International Journal of Pavement Engineering, 2011, 12, 533-541.	4.4	61
16014	Wetting and contact-line effects for spherical and cylindrical droplets on graphene layers: A comparative molecular-dynamics investigation. Physical Review E, 2011, 84, 061602.	2.1	97
16015	Study of Adsorption Properties of O_2 , CO_2 , NO_2 and SO_2 on Si-Doped Carbon Nanotube Using Density Functional Theory. Applied Mechanics and Materials, 0, 110-116, 315-320.	0.2	0

#	ARTICLE	IF	CITATIONS
16016	Effect of Functionalize Carbon Nanotubes with Amine Functional Group on the Mechanical and Thermal Properties of Styrene Butadiene Rubber. Journal of Thermoplastic Composite Materials, 2011, 24, 613-624.	4.2	25
16017	Tantalum oxide nanomesh as self-standing one nanometre thick electrolyte. Energy and Environmental Science, 2011, 4, 3509.	30.8	64
16021	Snow White and the Wicked Problems of the West: A Look at the Lines between Empirical Description and Normative Prescription. Science Technology and Human Values, 2011, 36, 334-361.	3.1	40
16022	Synthesis of Multishell Carbon Nanotube Composites via Template Method. Chinese Journal of Chemical Physics, 2011, 24, 206-210.	1.3	2
16023	Preparation and Properties of CNTs-Ti ₃ Al/B ₄ C Composites. Advanced Materials Research, 2011, 399-401, 377-380.	0.3	0
16024	Electrochemical Formation of Pt Nanoparticles on Multiwalled Carbon Nanotubes: Useful for Fabricating Electrodes for Use in Dye-Sensitized Solar Cells. Journal of Physical Chemistry C, 2011, 115, 8439-8446.	3.1	36
16025	Self-Assembled Organic Nanotubes and Their Applications in Nano-Bio Fields. , 2011, , 31-74.		1
16026	Fabrication and fracture toughness properties of carbon nanotube-reinforced cement composite. EPJ Applied Physics, 2011, 53, 30402.	0.7	17
16027	Supramolecular organic nanotubes: how to utilize the inner nanospace and the outer space. Soft Matter, 2011, 7, 4539.	2.7	128
16028	Biomimetic mineralization of vertical N-doped carbon nanotubes. Chemical Communications, 2011, 47, 535-537.	4.1	31
16029	Carbon Nanotube-Based Sensors for Detection of Gas Atoms. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	22
16030	Graphene: fabrication methods and thermophysical properties. Physics-Uspekhi, 2011, 54, 227-258.	2.2	135
16031	Preparation and characterization of one-dimensional SiC-CNT composite nanotubes. Diamond and Related Materials, 2011, 20, 310-313.	3.9	9
16032	Multi-wall carbon nanotubes as a sensor and ferrocene dicarboxylic acid as a mediator for voltammetric determination of glutathione in hemolysed erythrocyte. Analytical Methods, 2011, 3, 2637.	2.7	82
16034	Effective Elastic Moduli Evaluation of Single Walled Carbon Nanotubes Using Flexural Vibrations. Mechanics of Advanced Materials and Structures, 2011, 18, 262-271.	2.6	11
16035	Nanoreinforcements for Nanocomposite Materials. , 2011, , 119-131.		6
16036	Dispersal State of Multiwalled Carbon Nanotubes Elicits Profibrogenic Cellular Responses That Correlate with Fibrogenesis Biomarkers and Fibrosis in the Murine Lung. ACS Nano, 2011, 5, 9772-9787.	14.6	178
16037	An efficient GDQ model for vibration analysis of a multiwall carbon nanotube on Pasternak foundation with general boundary conditions. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 1730-1741.	2.1	12

#	ARTICLE	IF	CITATIONS
16038	Carbon and Oxide Nanostructures. Advanced Structured Materials, 2011, , .	0.5	23
16039	Mechanical and electronic properties of diamond nanowires under tensile strain from first principles. Nanotechnology, 2011, 22, 405705.	2.6	21
16040	Effect of the Metal-Substrate Interaction Strength on the Growth of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2011, 115, 7668-7675.	3.1	20
16041	Insight into carbon nanotube effect on polymer molecular orientation: an infrared dichroism study. Chemical Communications, 2011, 47, 899-901.	4.1	39
16042	Development of a novel method to synthesize carbon nanotubes from granulated polystyrene and nickel nanoparticles by microwave heating. Journal of Materials Chemistry, 2011, 21, 14569.	6.7	10
16043	High dispersion of platinum-ruthenium nanoparticles on the 3,4,9,10-perylene tetracarboxylic acid-functionalized carbon nanotubes for methanol electro-oxidation. Chemical Communications, 2011, 47, 5253.	4.1	90
16044	Enhanced Nucleation Rate of Polylactide in Composites Assisted by Surface Acid Oxidized Carbon Nanotubes of Different Aspect Ratios. ACS Applied Materials & Interfaces, 2011, 3, 3744-3753.	8.0	103
16045	Fabrication and characterization of high current field emitters with silicon ball-tip pins. , 2011, , .		2
16046	CHEMISTRY OF VERTICALLY-ALIGNED CARBON NANOTUBES. , 2011, , 219-243.		0
16047	A novel accelerometer based on contact resistance of integrated carbon nanotubes. , 2011, , .		3
16048	Carbon Nanotubes for Biomedical Applications. Carbon Nanostructures, 2011, , .	0.1	28
16049	Control of energy and matter at nanoscales: challenges and opportunities for plasma nanoscience in a sustainability age. Journal Physics D: Applied Physics, 2011, 44, 174003.	2.8	35
16050	Purification, Functionalization, and Bioconjugation of Carbon Nanotubes. Methods in Molecular Biology, 2011, 751, 505-532.	0.9	3
16051	Biaxial nematic phases in rod/liquid crystal mixtures. Liquid Crystals, 2011, 38, 729-736.	2.2	9
16052	Three-Dimensional Nanoarchitectures. , 2011, , .		19
16053	Physical Properties of Ceramic and Carbon Nanoscale Structures. , 2011, , .		7
16054	Biomolecular modification of carbon nanotubes for studies of cell adhesion and migration. Nanotechnology, 2011, 22, 494019.	2.6	2
16055	Thermal Conductivity of Carbon Nanotube Array Laminated Composite Materials. Journal of Composite Materials, 2011, 45, 321-340.	2.4	10

#	ARTICLE	IF	CITATIONS
16056	Nanoelectronic Circuit Design. , 2011, , .		30
16057	Dynamic Crystallization Kinetics and Nucleation Parameters of a New Generation of Nanocomposites Based on Isotactic Polypropylene and MoS ₂ Inorganic Nanotubes. Journal of Physical Chemistry B, 2011, 115, 2850-2856.	2.6	17
16058	A comparison of the electrochemical and electroanalytical behavior of ascorbic acid, dopamine and uric acid at bare, activated and multi-wall carbon nanotubes modified glassy carbon electrodes. Journal of the Iranian Chemical Society, 2011, 8, S55-S66.	2.2	23
16059	Electrocatalytic oxidation and determination of epinephrine in the presence of uric acid and folic acid at multiwalled carbon nanotubes/molybdenum(vi) complex modified carbon paste electrode. Analytical Methods, 2011, 3, 1810.	2.7	106
16060	Literature review: conducting carbon nanotube/polyaniline nanocomposites. Reviews in Chemical Engineering, 2011, 27, .	4.4	33
16061	Denser than diamond:<i>Ab initio</i>search for superdense carbon allotropes. Physical Review B, 2011, 83, .	3.2	118
16062	Addressing crosstalk issue in on-chip carbon nanotube interconnects using negative capacitance. , 2011, , .		0
16063	Current State-of-the-Art on Nanorobotic Components and Design. , 2011, , 1-40.		0
16064	Angle-Resolved Photoemission Spectroscopy of Graphene, Graphite, and Related Compounds. , 2011, , 383-409.		4
16065	Clamped-Free Single-Walled Carbon Nanotube-Based Mass Sensor Treated as Bernoulliâ€™Euler Beam. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	24
16067	Molecular dynamics simulation of pressure-driven water flow in silicon-carbide nanotubes. Journal of Chemical Physics, 2011, 135, 204509.	3.0	52
16068	Fabrication of multiwalled carbon nanotubes/polyaniline modified Au electrode for ascorbic acid determination. Analyst, The, 2011, 136, 1938.	3.5	87
16069	DFT Studies on the Interaction of Defective Graphene-Supported Fe and Al Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 8961-8970.	3.1	175
16070	Simple model of bulk and surface excitation effects to inelastic scattering in low-energy electron beam irradiation of multi-walled carbon nanotubes. Journal of Applied Physics, 2011, 110, 054304.	2.5	24
16071	Carbon Nanotube Superarchitectures: An Ab Initio Study. Journal of Physical Chemistry C, 2011, 115, 18174-18185.	3.1	25
16072	NanoBiosensing. Biological and Medical Physics Series, 2011, , .	0.4	29
16073	Adhesives with Nanoparticles. , 2011, , 1437-1460.		8
16075	Electronic Structure and Carrier Mobility in Graphdiyne Sheet and Nanoribbons: Theoretical Predictions. ACS Nano, 2011, 5, 2593-2600.	14.6	833

#	ARTICLE	IF	CITATIONS
16076	Nano-Bio-Sensing. , 2011, , .		7
16077	Semiconductor-On-Insulator Materials for Nanoelectronics Applications. Engineering Materials, 2011, , .	0.6	69
16078	Poptube approach for ultrafast carbon nanotube growth. Chemical Communications, 2011, 47, 9912.	4.1	108
16079	Bioconjugation Protocols. Methods in Molecular Biology, 2011, , .	0.9	5
16080	Nanotechnology in Civil Infrastructure. , 2011, , .		51
16081	Carbon nanotubeâ€œcement composites: A retrospect. IES Journal Part A: Civil and Structural Engineering, 2011, 4, 254-265.	0.4	96
16082	Investigation of quantum conductance in semiconductor single-wall carbon nanotubes: Effect of strain and impurity. Journal of Applied Physics, 2011, 110, .	2.5	9
16083	Removal of Trace Arsenic To Meet Drinking Water Standards Using Iron Oxide Coated Multiwall Carbon Nanotubes. Journal of Chemical & Engineering Data, 2011, 56, 2077-2083.	1.9	132
16084	Helical BN and ZnO nanotubes with intrinsic twisting: An objective molecular dynamics study. Physical Review B, 2011, 84, .	3.2	33
16085	Facile synthesis of a Ag nanoparticle/polyoxometalate/carbon nanotube tri-component hybrid and its activity in the electrocatalysis of oxygen reduction. Journal of Materials Chemistry, 2011, 21, 14917.	6.7	78
16086	Diameter and Temperature Dependence of Thermal Conductivity of Single-Walled Carbon Nanotubes. Chinese Physics Letters, 2011, 28, 066104.	3.3	8
16087	Challenges in Nanoparticle Risk Assessment. , 2011, , 1-19.		2
16088	Rheological Percolation Behavior and Isothermal Crystallization of Poly(butylene Succinate)/Carbon Nanotube Composites. Industrial & Engineering Chemistry Research, 2011, 50, 14186-14192.	3.7	31
16089	Facile synthesis of water-soluble multi-wall carbon nanotubes and polyaniline composites and their application in detection of small metabolites by matrix assisted laser desorption/ionization mass spectrometry. Chemical Communications, 2011, 47, 11017.	4.1	27
16090	Dynamic Behavior of Carbon Nanotube and Bio-/Artificial Surfactants Complexes in an Aqueous Environment. Journal of Physical Chemistry C, 2011, 115, 19659-19667.	3.1	20
16091	Nanomaterials meet microfluidics. Chemical Communications, 2011, 47, 5671.	4.1	126
16092	High-Voltage Electrophoretic Deposition for Vertically Aligned Forests of One-Dimensional Nanoparticles. Langmuir, 2011, 27, 561-569.	3.5	44
16093	Spontaneous growth of one-dimensional nanostructures from films in ambient atmosphere at room temperature: ZnO and TiO ₂ . Journal of Materials Chemistry, 2011, 21, 4264.	6.7	8

#	ARTICLE	IF	CITATIONS
16094	High temperature focused ion beam response of graphite resulting in spontaneous nanosheet formation. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, .	1.2	1
16095	Highly sensitive humidity sensor based on amorphous Al ₂ O ₃ nanotubes. Journal of Materials Chemistry, 2011, 21, 1907-1912.	6.7	123
16096	Histological assessments for toxicity and functionalization-dependent biodistribution of carbon nanohorns. Nanotechnology, 2011, 22, 265106.	2.6	51
16097	Preparation of high-flux thin film nanocomposite reverse osmosis membranes by incorporating functionalized multi-walled carbon nanotubes. Desalination and Water Treatment, 2011, 34, 19-24.	1.0	94
16098	TiO ₂ Nanotubes of Enhanced Nanocrystallinity and Well-Preserved Nanostructure by Pre-Annealing and Post-Hydrothermal Treatments. , 2011, , .		3
16099	Gold-carbon nanotube nanocomposites: synthesis and applications. International Journal of Biomedical Nanoscience and Nanotechnology, 2011, 2, 112.	0.1	34
16103	Characterization of field effect transistor with TiO ₂ nanotube channel fabricated by dielectrophoresis. IOP Conference Series: Materials Science and Engineering, 2011, 18, 082019.	0.6	2
16104	Catalyst Poisoning by Amorphous Carbon during Carbon Nanotube Growth: Fact or Fiction?. ACS Nano, 2011, 5, 8928-8934.	14.6	36
16105	A Study on Structure and Electronic Properties of Single-Wall GaN Nanotubes. Advanced Materials Research, 0, 347-353, 3489-3492.	0.3	0
16106	Controlled Radiation Damage and Edge Structures in Boron Nitride Membranes. ACS Nano, 2011, 5, 3977-3986.	14.6	33
16107	Porous carbon nanotube/PMMA conductive composites as a sensitive layer in vapor sensors. Smart Materials and Structures, 2011, 20, 105012.	3.5	18
16108	Pillared graphene as a gas separation membrane. Physical Chemistry Chemical Physics, 2011, 13, 17027.	2.8	65
16109	Optical excitations in carbon nanoscrolls. Physical Chemistry Chemical Physics, 2011, 13, 6138.	2.8	15
16110	Ab Initio Modeling of the Mechanical Properties of Carbon Nanotubes Using Gaussian. , 2011, , .		1
16111	Analysis of the Interface in CNT-Polyethylene Nanocomposites using a Multiscale Modeling Method. , 2011, , .		1
16112	Investigation of the Effects of Temperature and Strain on the Damping Properties of Polycarbonate/Multiwalled Carbon Nanotube Composites. Journal of Physical Chemistry C, 2011, 115, 18468-18472.	3.1	38
16113	An Investigation on the Effect of Sonication Time and Dispersing Medium on the Mechanical Properties of MWCNT/Epoxy Nanocomposites. Advanced Materials Research, 2011, 264-265, 1954-1959.	0.3	12
16114	The Effect of Sonication Time and Dispersing Medium on the Mechanical Properties of Multiwalled Carbon Nanotube (MWCNT)/Epoxy Composite. International Journal of Polymer Analysis and Characterization, 2011, 16, 465-476.	1.9	34

#	ARTICLE	IF	CITATIONS
16115	Cell Internalization Studies of Gadofullerene-(ZME-018) Immunoconjugates into A375m Melanoma Cells. Translational Oncology, 2011, 4, 350-IN2.	3.7	8
16116	Short time synthesis of high quality carbon nanotubes with high rates by CVD of methane on continuously emerged iron nanoparticles. Applied Surface Science, 2011, 257, 9710-9716.	6.1	19
16117	Effect of cross-linkable polymer on the morphology and properties of transparent multi-walled carbon nanotube conductive films. Applied Surface Science, 2011, 258, 136-142.	6.1	10
16118	A facile strategy for the fabrication of uniform CdS nanowires with high yield and its controlled morphological growth with the assistance of PEG in hydrothermal route. Applied Surface Science, 2011, 258, 163-168.	6.1	33
16119	Synthesis and characterization of rodlike liquid crystalline polyester/multi-walled carbon nanotubes and study of their thermal stability. Applied Surface Science, 2011, 258, 507-512.	6.1	6
16120	Improving the surface properties of multi-walled carbon nanotubes after irradiation with gamma rays. Applied Surface Science, 2011, 258, 766-773.	6.1	63
16121	Pre-hydrolysed ethyl silicate as an alternative precursor for SiO ₂ -coated carbon nanofibers. Applied Surface Science, 2011, 258, 1212-1216.	6.1	9
16122	Preparation of silica nanowires using porous silicon as Si source. Applied Surface Science, 2011, 258, 1470-1473.	6.1	9
16123	Covalent marriage of multi-walled carbon nanotubes (MWNTs) and β -cyclodextrin (β -CD) by silicon coupling reagents. Applied Surface Science, 2011, 258, 1682-1688.	6.1	16
16124	Multiwalled carbon nanotubes oxidized by UV/H ₂ O ₂ as catalyst for oxidative dehydrogenation of ethylbenzene. Catalysis Communications, 2011, 12, 464-469.	3.3	45
16125	Direct electrochemical determination of morphine on a novel gold nanotube arrays electrode. Clinica Chimica Acta, 2011, 412, 1544-1549.	1.1	40
16126	Dynamical analysis of carbon nanotubes conveying water considering carbon-water bond potential energy and nonlocal effects. Computational Materials Science, 2011, 50, 828-834.	3.0	14
16127	Investigating the effect of chirality on structural parameters of chiral single-walled carbon nanotubes by molecular dynamics simulation. Computational Materials Science, 2011, 50, 934-938.	3.0	7
16128	Molecular dynamics study of effects of intertube spacing on sliding behaviors of multi-walled carbon nanotube. Computational Materials Science, 2011, 50, 971-974.	3.0	11
16129	Buckling analysis of single walled carbon nanotube on Winkler foundation using nonlocal elasticity theory and DTM. Computational Materials Science, 2011, 50, 1052-1056.	3.0	105
16130	Hyperelastic finite element model for single wall carbon nanotubes in tension. Computational Materials Science, 2011, 50, 1083-1087.	3.0	14
16131	Mechanics of concentric carbon nanotubes: Interaction force and suction energy. Computational Materials Science, 2011, 50, 1406-1413.	3.0	17
16132	Molecular dynamics study on nanotube-resonators with mass migration applicable to both frequency-tuner and data-storage-media. Computational Materials Science, 2011, 50, 1818-1822.	3.0	18

#	ARTICLE	IF	CITATIONS
16133	Application of a cantilevered SWCNT with mass at the tip as a nanomechanical sensor. Computational Materials Science, 2011, 50, 1830-1833.	3.0	48
16134	Nonlocal effects in the forced vibration of an elastically connected double-carbon nanotube system under a moving nanoparticle. Computational Materials Science, 2011, 50, 2112-2123.	3.0	135
16135	Elastic modulus of multiwalled carbon nanotubes reinforced aluminium matrix nanocomposite – A theoretical approach. Computational Materials Science, 2011, 50, 2493-2495.	3.0	41
16136	Encapsulation of a benzene molecule into a carbon nanotube. Computational Materials Science, 2011, 50, 2720-2726.	3.0	12
16137	Molecular dynamics modeling and simulations of a single-walled carbon-nanotube-resonator encapsulating a finite nanoparticle. Computational Materials Science, 2011, 50, 2741-2744.	3.0	18
16138	Size effect on mechanical properties of carbon nanotube X-junctions. Computational Materials Science, 2011, 50, 3067-3070.	3.0	12
16139	Influence of polarity on filling polymer molecules into carbon nanotubes. Computational Materials Science, 2011, 50, 2909-2917.	3.0	4
16140	Electronic and optical properties of ultrathin single walled boron nanotubes – An ab initio study. Computational Materials Science, 2011, 50, 3038-3042.	3.0	18
16141	Axial buckling analysis of single-walled carbon nanotubes in thermal environments via the Rayleigh–Ritz technique. Computational Materials Science, 2011, 50, 3050-3055.	3.0	77
16142	Analysis of elastic properties of carbon nanotube reinforced nanocomposites with pinhole defects. Computational Materials Science, 2011, 50, 3245-3256.	3.0	19
16143	Molecular dynamics study of the influence of functionalization on the elastic properties of single and multiwall carbon nanotubes. Computational Materials Science, 2011, 50, 3417-3424.	3.0	34
16144	Thermophysical and electrical characterization of PVC/SWNT nanocomposites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 394-399.	7.6	24
16145	Criterion for interlaminar strength of CFRP laminates toughened with carbon nanofiber interlayer. Composites Part A: Applied Science and Manufacturing, 2011, 42, 703-711.	7.6	20
16146	Preparation and properties of ethylene propylene diene rubber/multi walled carbon nanotube composites for strain sensitive materials. Composites Part A: Applied Science and Manufacturing, 2011, 42, 623-630.	7.6	65
16147	Electromagnetic interference shielding/absorbing characteristics of CNT-embedded epoxy composites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1110-1118.	7.6	128
16148	The effects of CNT waviness on interfacial stress transfer characteristics of CNT/polymer composites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1301-1309.	7.6	49
16149	Synthesis of uniformly dispersed carbon nanotube reinforcement in Al powder for preparing reinforced Al composites. Composites Part A: Applied Science and Manufacturing, 2011, 42, 1833-1839.	7.6	56
16150	Size-dependent properties of amino-functionalized single walled carbon nanotubes. Computational and Theoretical Chemistry, 2011, 967, 231-234.	2.5	13

#	ARTICLE	IF	CITATIONS
16151	Adsorption properties of N ₂ O on (6,0), (7,0), and (8,0) zigzag single-walled boron nitride nanotubes: A computational study. Computational and Theoretical Chemistry, 2011, 970, 30-35.	2.5	49
16152	The Ge-doped (6,0) zigzag single-walled boron phosphide nanotubes: A computational study. Computational and Theoretical Chemistry, 2011, 972, 14-19.	2.5	15
16153	Geometric and magnetic properties of the neutral MPb ₁₀ and [MPb ₁₀] ₂ clusters (M=Fe, Co, Ni). Computational and Theoretical Chemistry, 2011, 971, 73-76.	2.5	6
16154	The stability and electronic structures of B or/and N doped SiC nanotubes: A first-principles study. Computational and Theoretical Chemistry, 2011, 977, 92-96.	2.5	28
16155	Computational NMR studies of silicon nanotubes. Computational and Theoretical Chemistry, 2011, 978, 123-125.	2.5	12
16156	Biofunctionalized nanoneedles for the direct and site-selective delivery of probes into living cells. Biochimica Et Biophysica Acta - General Subjects, 2011, 1810, 330-338.	2.4	27
16157	T-Carbon: A Novel Carbon Allotrope. Physical Review Letters, 2011, 106, 155703.	7.8	421
16158	Spin and the Honeycomb Lattice: Lessons from Graphene. Physical Review Letters, 2011, 106, 116803.	7.8	97
16159	The sensitivity of liquid crystal doped with functionalized carbon nanotubes to external magnetic fields. New Journal of Chemistry, 2011, 35, 1260.	2.8	29
16160	Ab Initio Study of Topological Defects in Single Walled Carbon Nanotubes and their Effect on Gas Sensing Mechanism. , 2011, , .		0
16161	Charge and Mass Effects on Low Energy Ion Channeling in Carbon Nanotubes. Chinese Physics Letters, 2011, 28, 066101.	3.3	2
16162	2D materials: to graphene and beyond. Nanoscale, 2011, 3, 20-30.	5.6	1,395
16163	Aggregation Kinetics of Single-Walled Carbon Nanotubes in Nonaqueous Solvents: Critical Coagulation Concentrations and Transient Dispersion Stability. Journal of Physical Chemistry C, 2011, 115, 23267-23272.	3.1	19
16164	Physics and applications of aligned carbon nanotubes. Advances in Physics, 2011, 60, 553-678.	14.4	128
16165	Significantly Enhanced Single-Walled Carbon Nanotube Dispersion Stability in Mixed Solvent Systems. Journal of Physical Chemistry C, 2011, 115, 10531-10536.	3.1	31
16166	Non-covalent interactions between carbon nanotubes and conjugated polymers. Nanoscale, 2011, 3, 3545.	5.6	115
16167	Challenges in process integration of catalytic DC plasma synthesis of vertically aligned carbon nanofibres. Journal Physics D: Applied Physics, 2011, 44, 174008.	2.8	6
16168	Electrooptical Properties of Single-Walled Carbon-Nanotube Mixed Liquid-Crystal Cells With Rubbed and Ion-Beam-Treated Alignment Layers. Journal of Display Technology, 2011, 7, 644-648.	1.2	8

#	ARTICLE	IF	CITATIONS
16169	Humidity Sensor Based on Multi-Walled Carbon Nanotube Thin Films. Journal of Nanomaterials, 2011, 2011, 1-5.	2.7	74
16170	Topology effects of interface and gate voltage on electrical transport through the CNT/C60/CNT junction using the Green's function method. Journal of Applied Physics, 2011, 110, .	2.5	12
16171	Modification of multi-walled carbon nanotubes with cobalt phthalocyanine: effects of the templates on the assemblies. Journal of Materials Chemistry, 2011, 21, 1181-1186.	6.7	49
16172	Carbon nanospheres: synthesis, physicochemical properties and applications. Journal of Materials Chemistry, 2011, 21, 1664-1672.	6.7	248
16173	Low noise GHz passive harmonic mode-locking of soliton fiber laser using evanescent wave interaction with carbon nanotubes. Optics Express, 2011, 19, 19775.	3.4	58
16174	Low-energy coherent transport in metallic carbon nanotube junctions. Physical Review B, 2011, 83, .	3.2	16
16175	Low-toxic and safe nanomaterials by surface-chemical design, carbon nanotubes, fullerenes, metallofullerenes, and graphenes. Nanoscale, 2011, 3, 362-382.	5.6	264
16176	Growth of homogenous CuO nano-structured thin films by a simple solution method. Journal of Alloys and Compounds, 2011, 509, 2094-2098.	5.5	81
16177	Preparation and characterization of multi-walled carbon nanotubes/chitosan nanocomposite and its application for the removal of heavy metals from aqueous solution. Journal of Alloys and Compounds, 2011, 509, 2582-2587.	5.5	188
16178	One-step synthesis of carbon nanotubes with Ni nanoparticles as a catalyst by the microwave-assisted polyol method. Journal of Alloys and Compounds, 2011, 509, 2829-2832.	5.5	12
16179	Decorating Mg/Fe oxide nanotubes with nitrogen-doped carbon nanotubes. Journal of Alloys and Compounds, 2011, 509, 9372-9376.	5.5	5
16180	Fabrication of the carbon nanotubes with small pits or embedded by nanoparticles via template-assisted method. Journal of Crystal Growth, 2011, 333, 48-53.	1.5	0
16181	Effects of single and multi walled carbon nanotubes on macrophages: Cyto and genotoxicity and electron microscopy. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 722, 20-31.	1.7	171
16182	Modification in dielectric properties of SWCNT doped ferroelectric liquid crystals. Journal of Non-Crystalline Solids, 2011, 357, 1822-1826.	3.1	26
16183	Aptamer-conjugated nanomaterials for bioanalysis and biotechnology applications. Nanoscale, 2011, 3, 546-556.	5.6	110
16184	Enzymatic Degradation of Multiwalled Carbon Nanotubes. Journal of Physical Chemistry A, 2011, 115, 9536-9544.	2.5	189
16185	Carbon Nanotubes: Applications for In Situ Implant Sensors. , 2011, , 303-315.		2
16186	Effect of MWCNTs content on the magnetic and wave absorbing properties of ferrite-MWCNTs composites. Synthetic Metals, 2011, 161, 44-50.	3.9	44

#	ARTICLE	IF	CITATIONS
16187	Electrochemical deposition of a carbon nanotube-poly(o-phenylenediamine) composite on a stainless steel surface. <i>Synthetic Metals</i> , 2011, 161, 153-157.	3.9	37
16188	Novel non-covalent sulfonated multiwalled carbon nanotubes from p-toluenesulfonic acid/glucose doped polypyrrole for electrochemical capacitors. <i>Synthetic Metals</i> , 2011, 161, 373-378.	3.9	25
16189	Morphology and thermal properties of PAN copolymer based electrospun nanofibers. <i>Synthetic Metals</i> , 2011, 161, 411-419.	3.9	40
16190	Electronic properties of soluble functionalized polyaniline (polyanthranilic acid)-multiwalled carbon nanotube nanocomposites: Influence of synthesis methods. <i>Synthetic Metals</i> , 2011, 161, 481-488.	3.9	18
16191	The effect of different hard segments in polyurethane on the electrical conductivity of polyurethane grafted multi-walled carbon nanotube/polyurethane nanocomposites. <i>Synthetic Metals</i> , 2011, 161, 1361-1367.	3.9	28
16192	Bent-shape effects of multi-walled carbon nanotube on the electrical conductivity and rheological properties of polycarbonate/multi-walled carbon nanotube nanocomposites. <i>Synthetic Metals</i> , 2011, 161, 1629-1634.	3.9	8
16193	Electro-conductive composite fibers by melt spinning of polypropylene/polyamide/carbon nanotubes. <i>Synthetic Metals</i> , 2011, 161, 1731-1737.	3.9	30
16194	Electropolymerized multiwalled carbon nanotubes/polypyrrole fiber for solid-phase microextraction and its applications in the determination of pyrethroids. <i>Talanta</i> , 2011, 84, 104-108.	5.5	80
16195	Electrochemical determination of l-phenylalanine at polyaniline modified carbon electrode based on β -cyclodextrin incorporated carbon nanotube composite material and imprinted sol-gel film. <i>Talanta</i> , 2011, 84, 305-313.	5.5	66
16196	A determination method of pristine multiwall carbon nanotubes in rat lungs after intratracheal instillation exposure by combustive oxidation-nondispersive infrared analysis. <i>Talanta</i> , 2011, 84, 802-808.	5.5	11
16197	On-line solid phase extraction of Ni and Pb using carbon nanotubes and modified carbon nanotubes coupled to ETAAS. <i>Talanta</i> , 2011, 85, 245-251.	5.5	55
16198	Fabrication of a nanostructure-based electrochemical sensor for simultaneous determination of N-acetylcysteine and acetaminophen. <i>Talanta</i> , 2011, 85, 2128-2134.	5.5	80
16199	Peculiarities of a novel bioenzymatic reactor using carbon nanotubes as enzyme activity enhancers: Application to arginase. <i>Talanta</i> , 2011, 85, 2703-2706.	5.5	58
16200	Magnetic multi-walled carbon nanotubes assisted dispersive solid phase extraction of nerve agents and their markers from muddy water. <i>Talanta</i> , 2011, 86, 248-255.	5.5	102
16201	Effect of exposure conditions on SWCNT-induced inflammatory response in human alveolar epithelial cells. <i>Toxicology in Vitro</i> , 2011, 25, 1153-1160.	2.4	27
16202	Influence of carboxylic acid functionalization on the cytotoxic effects induced by single wall carbon nanotubes on human endothelial cells (HUVEC). <i>Toxicology in Vitro</i> , 2011, 25, 1883-1888.	2.4	58
16203	A comparison of acute and long-term effects of industrial multiwalled carbon nanotubes on human lung and immune cells in vitro. <i>Toxicology Letters</i> , 2011, 200, 176-186.	0.8	143
16204	Effect of electrical current on tribological property of Cu matrix composite reinforced by carbon nanotubes. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 2237-2241.	4.2	22

#	ARTICLE	IF	CITATIONS
16205	Distribution of electric field for carbon nanotube assembly: Simulation (I). Transactions of Nonferrous Metals Society of China, 2011, 21, s117-s120.	4.2	8
16206	Dielectrophoretic assembly of semiconducting single-walled carbon nanotube transistor. Transactions of Nonferrous Metals Society of China, 2011, 21, s126-s129.	4.2	6
16207	Effect of ammonia gas etching on growth of vertically aligned carbon nanotubes/nanofibers. Transactions of Nonferrous Metals Society of China, 2011, 21, s130-s134.	4.2	7
16208	Low Temperature Growth of Vertically Aligned Carbon Nanotubes via Floating Catalyst Chemical Vapor Deposition Method. Journal of Materials Science and Technology, 2011, 27, 296-300.	10.7	16
16209	Fabrication and Magnetic Property of One-dimensional SrTiO ₃ /SrFe ₁₂ O ₁₉ Composite Nanofibers by Electrospinning. Journal of Materials Science and Technology, 2011, 27, 996-1000.	10.7	11
16210	A green precursor for carbon nanotube synthesis. New Carbon Materials, 2011, 26, 85-88.	6.1	74
16211	Preparation of spongy microspheres consisting of functionalized multiwalled carbon nanotubes. New Carbon Materials, 2011, 26, 98-102.	6.1	13
16212	Synthesis of carbon nanotubes on silicon nanowires by thermal chemical vapor deposition. New Carbon Materials, 2011, 26, 401-407.	6.1	6
16213	Porous nanotube network: a novel 3-D nanostructured material with enhanced hydrogen storage capacity. Chemical Communications, 2011, 47, 2303-2305.	4.1	55
16214	Carbon Nanotubes. Progress in Molecular Biology and Translational Science, 2011, 104, 175-245.	1.7	52
16215	Characterization of thermal transport in low-dimensional boron nitride nanostructures. Physical Review B, 2011, 84, .	3.2	264
16216	Very-high-strength (60-GPa) carbon nanotube fiber design based on molecular dynamics simulations. Journal of Chemical Physics, 2011, 134, 204708.	3.0	55
16217	Performance evaluation of a 32-nm CNT-OPAMP: Design, characteristic optimization and comparison with CMOS technology. , 2011, , .		6
16218	High performance terahertz polarizer based on super-aligned carbon nanotube sheet. , 2011, , .		1
16219	Low-Temperature Synthesis of Carbon Nanotubes via Floating Catalyst Chemical Vapor Deposition Method. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 522-531.	2.1	1
16220	Synthesis of a Novel Composite Imprinted Material Based on Multiwalled Carbon Nanotubes as a Selective Melamine Absorbent. Journal of Agricultural and Food Chemistry, 2011, 59, 1063-1071.	5.2	44
16221	SiC ₂ Silagraphene and Its One-Dimensional Derivatives: Where Planar Tetracoordinate Silicon Happens. Journal of the American Chemical Society, 2011, 133, 900-908.	13.7	171
16223	Fluorescent carbon nanoparticles: electrochemical synthesis and their pH sensitive photoluminescence properties. New Journal of Chemistry, 2011, 35, 2666.	2.8	143

#	ARTICLE	IF	CITATIONS
16224	Layer-by-Layer Self-Assembly of Single-Walled Carbon Nanotubes with Amine-Functionalized Weak Polyelectrolytes for Electrochemically Tunable pH Sensitivity. <i>Langmuir</i> , 2011, 27, 3348-3354.	3.5	29
16225	Development of reactive Pd/Fe bimetallic nanotubes for dechlorination reactions. <i>Journal of Materials Chemistry</i> , 2011, 21, 10454.	6.7	24
16226	Preparation, characterization and catalytic properties of Pd-decorated carbon nanotubes possessing different linkers. <i>Journal of Materials Chemistry</i> , 2011, 21, 5999.	6.7	48
16227	Advancement in carbon nanotubes: basics, biomedical applications and toxicity. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 141-163.	2.4	256
16228	Antioxidant multi-walled carbon nanotubes by free radical grafting of gallic acid: new materials for biomedical applications. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 63, 179-188.	2.4	71
16229	Field emission from single and few-layer graphene flakes. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	94
16230	Molecular dynamics simulations of ion transport through carbon nanotubes. II. Structural effects of the nanotube radius, solute concentration, and applied electric fields. <i>Journal of Chemical Physics</i> , 2011, 135, 044515.	3.0	18
16231	Synthesis of thin-walled carbon nanocages and their application as a new kind of nanocontainer. <i>Journal of Materials Chemistry</i> , 2011, 21, 5443.	6.7	17
16232	Fullerenes, Carbon Nanotubes, and Graphene for Molecular Electronics. <i>Topics in Current Chemistry</i> , 2011, 312, 127-174.	4.0	23
16233	Selective voltammetric determination of norepinephrine in the presence of acetaminophen and folic acid at a modified carbon nanotube paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2011, 661, 336-342.	3.8	117
16234	Highly stretchable, transparent and scalable elastomers with tunable dielectric permittivity. <i>Journal of Materials Chemistry</i> , 2011, 21, 7686.	6.7	55
16235	Mutual Effects of Pb(II) and Humic Acid Adsorption on Multiwalled Carbon Nanotubes/Polyacrylamide Composites from Aqueous Solutions. <i>Environmental Science & Technology</i> , 2011, 45, 3621-3627.	10.0	474
16236	Effect of Functionalized Carbon Nanotubes with Carboxylic Functional Group on the Mechanical and Thermal Properties of Styrene Butadiene Rubber. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2011, 19, 617-627.	2.1	19
16237	Tight-Binding Calculation of Deformation and Band Gap of Single-Walled Carbon Nanotubes under Axial Tension and Radial Compression. <i>Procedia Engineering</i> , 2011, 14, 2386-2393.	1.2	5
16238	Layer-by-Layer Assembled Polyaniline Nanofiber/Multiwall Carbon Nanotube Thin Film Electrodes for High-Power and High-Energy Storage Applications. <i>ACS Nano</i> , 2011, 5, 8552-8561.	14.6	255
16239	A pH-responsive carboxylic Î²-1,3-glucan polysaccharide for complexation with polymeric guests. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4266.	2.8	26
16240	Carbon Nanotube Arrays: Synthesis, Properties, and Applications. , 2011, , 261-285.		4
16241	Bionano Donor-acceptor Hybrids of Porphyrin, ssDNA, and Semiconductive Single-Wall Carbon Nanotubes for Electron Transfer via Porphyrin Excitation. <i>Journal of the American Chemical Society</i> , 2011, 133, 19922-19930.	13.7	47

#	ARTICLE	IF	CITATIONS
16242	Screening interactions of zinc phthalocyanineâ€“PPV oligomers with single wall carbon nanotubesâ€“a comparative study. Journal of Materials Chemistry, 2011, 21, 8014.	6.7	25
16243	Tuning and optimizing the intrinsic interactions between phthalocyanine-based PPV oligomers and single-wall carbon nanotubes toward n-type/p-type. Chemical Science, 2011, 2, 652-660.	7.4	35
16244	Chapter 2. Inorganic Nanotubes. RSC Nanoscience and Nanotechnology, 2011, , 243-342.	0.2	0
16245	Preparation of iron oxide nanoparticles supported on magnesium oxide for producing high-quality single-walled carbon nanotubes. New Carbon Materials, 2011, 26, 255-261.	6.1	20
16246	Carbon nanocoils for multi-functional energy applications. Journal of Materials Chemistry, 2011, 21, 16103.	6.7	36
16247	From Point Defects in Graphene to Two-Dimensional Amorphous Carbon. Physical Review Letters, 2011, 106, 105505.	7.8	675
16248	Preparation of high field emission current carbon nanotubes by chemical-vapor deposition. , 2011, , .		0
16249	GRAPHENE: SYNTHESIS, FUNCTIONALIZATION AND PROPERTIES. International Journal of Modern Physics B, 2011, 25, 4107-4143.	2.0	25
16250	Anisotropic nanomaterials: structure, growth, assembly, and functions. Nano Reviews, 2011, 2, 5883.	3.7	373
16251	Three-Stage Transformation Pathway from Nanodiamonds to Fullerenes. Journal of Physical Chemistry A, 2011, 115, 8327-8334.	2.5	9
16252	Structures and Energetics of Silver and Gold Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 11374-11381.	3.1	42
16253	DFT Investigations of Formic Acid Adsorption on Single-Wall TiO ₂ Nanotubes: Effect of the Surface Curvature. Journal of Physical Chemistry C, 2011, 115, 2179-2186.	3.1	49
16254	Nanotribology and Nanoscale Materials Coatings for Lubricants. , 2011, , 419-443.		0
16255	Switching of carbonâ€“nanotube emitters by an integrated MOSFET. Journal of the Society for Information Display, 2011, 19, 398-402.	2.1	2
16256	Methods for carbon nanotubes synthesisâ€“review. Journal of Materials Chemistry, 2011, 21, 15872.	6.7	629
16257	Fabrication of Patterned Polymer Nanowire Arrays. ACS Nano, 2011, 5, 1476-1482.	14.6	28
16258	Hydrothermal synthesis, characterization, and optical properties of wolframite ZnWO ₄ nanorods. CrystEngComm, 2011, 13, 1564-1569.	2.6	110
16259	Aggregation behavior of gemini surfactants and their interaction with macromolecules in aqueous solution. Physical Chemistry Chemical Physics, 2011, 13, 1939.	2.8	191

#	ARTICLE	IF	CITATIONS
16260	Removal of Chromium (VI) from polluted water using carbon nanotubes supported with activated carbon. Procedia Environmental Sciences, 2011, 4, 281-293.	1.4	105
16261	Fabrication of polyphenol biosensor based on laccase immobilized on copper nanoparticles/chitosan/multiwalled carbon nanotubes/polyaniline-modified gold electrode. Journal of Biotechnology, 2011, 156, 39-45.	3.8	63
16262	Nitrogen-doped carbon nanotubes with tunable structure and high yield produced by ultrasonic spray pyrolysis. Applied Surface Science, 2011, 257, 7837-7844.	6.1	46
16263	Inorganic Nanotubes beyond Cylindrical Matter. , 2011, , 237-254.		1
16265	Recent Patents on Biomedical Devices and Nanomaterials for Hyperthermal Therapy of Cancer. Recent Patents on Nanomedicine, 2011, 1, 19-37.	0.5	3
16266	Carbon Nanotubes and Semiconducting Polymer Nanocomposites. , 2011, , .		2
16267	Quantum Theory of Thermoelectric Power (Seebeck Coefficient). , 0, , .		1
16268	Detection of Carbon Nanotubes using Tip-Enhanced Raman Spectroscopy. , 2011, , .		3
16269	Spectro-Microscopic Study of Laser-Modified Carbon Nanotubes. , 2011, , .		1
16270	High Frequency Properties of Carbon Nanotubes and Their Electromagnetic Wave Absorption Properties. , 0, , .		4
16271	Future Memory Technology and Ferroelectric Memory as an Ultimate Memory Solution. , 2011, , .		1
16272	Liquid Crystal-Anisotropic Nanoparticles Mixtures. , 2011, , .		2
16273	Symmetry and Lattice Dynamics. , 0, , .		3
16274	Study of Carbon Nanotube Based on Higher Order Cauchy-Born Rule. , 0, , .		3
16275	Electric-Field and Friction Effects on Carbon Nanotube-Assisted Water Self-Diffusion Across Lipid Membranes. , 0, , .		0
16276	Gold Nanoparticles Decorating Carbon Nanotubes toward Organic Solar Cells. ECS Meeting Abstracts, 2011, , .	0.0	0
16277	Hybrid Optoelectronic and Photovoltaic Materials based on Silicon Nanocrystals and Conjugated Polymers. , 2011, , .		2
16278	GCMC Simulations of Gas Adsorption in Carbon Pore Structures. , 2011, , .		5

#	ARTICLE	IF	CITATIONS
16279	Nanotoxicity: Exploring the Interactions Between Carbon Nanotubes and Proteins. , 2011, , .		2
16280	Thermal Conductivity Improvement of PEEK/ZrO ₂ Coated MWCNT Nanocomposites. , 2011, , .		1
16281	Conformational analysis and electronic structure of chiral carbon and carbon nitride nanotubes. Materials Research, 2011, 14, 461-465.	1.3	3
16282	Poly(butylene terephthalate) Nanocomposites Containing Carbon Nanotube. , 0, , .		2
16283	Effect of Spark Plasma Sintering in Fabricating Carbon Nanotube Reinforced Aluminum Matrix Composite Materials. , 2011, , .		3
16284	Dielectrophoretic Deposition and Alignment of Carbon Nanotubes. , 0, , .		12
16285	Carbon Nanotube Fabrication: Patent Analysis. , 0, , .		1
16286	A Density Functional Theory Study of Chemical Functionalization of Carbon Nanotubes; Toward Site Selective Functionalization. , 0, , .		0
16287	MWCNT Used in Orthopaedic Bone Cements. , 0, , .		3
16288	Carbon Nanotubes “ Interactions with Biological Systems. , 0, , .		1
16289	Carbon Nanofibers Reinforced Ceramic Matrix Composites. , 0, , .		9
16290	Hydrogen Adsorptivity of Bundle-Structure Controlled Single-Wall Carbon Nanotubes. , 2011, , .		0
16291	Molecular Dynamics Simulation Study on the Mechanical Properties and Fracture Behavior of Single-Wall Carbon Nanotubes. , 0, , .		3
16292	Morphology Control of Ordered Mesoporous Carbon Using Organic-Templating Approach. , 0, , .		2
16293	Epoxy-based Carbon Nanotubes Reinforced Composites. , 0, , .		8
16294	Biom mineralization and Biomimetic Synthesis of Biomineral and Nanomaterials. , 2011, , .		2
16295	Electromagnetic Wave Absorption Properties of Nanoscaled ZnO. , 0, , .		2
16296	One-Dimensional Crystals inside Single-Walled Carbon Nanotubes: Growth, Structure and Electronic Properties. , 0, , .		11

#	ARTICLE	IF	CITATIONS
16297	The Microstructure Characterization and the Mechanical Properties of Electrospun Polyacrylonitrile-Based Nanofibers. , 0, , .		1
16300	Basics of Carbon Nanotube and Its Applications-High expectations of technological innovation by carbon nanotube as new carbon material, and facing challenges for its practical applications-. Journal of MMJ, 2011, 127, 61-68.	0.3	0
16301	Carbon Nanotube AFM Probe Technology. , 2011, , .		3
16303	Effect of the Periodic Distributions of Carbon Nanotube on Homogenized Effective Stiffness for Nanotube Reinforced Polymer Composites. Polymers and Polymer Composites, 2011, 19, 149-154.	1.9	3
16304	The Study of Single-walled Nanotube Reinforced Epoxy Composites by Molecular Dynamics. Polymers and Polymer Composites, 2011, 19, 377-382.	1.9	7
16307	Effect of Multi-Walled Carbon Nanotubes Addition on Mechanical Properties of Polymer Composites Laminate. Polymers and Polymer Composites, 2011, 19, 131-140.	1.9	31
16308	Microwave Absorption Characteristics of Carbon Nanotubes. , 0, , .		7
16309	Nanowire Applications: Thermoelectric Cooling and Energy Harvesting. , 2011, , .		1
16310	Carbon Nanotube Industrial Applications. , 0, , .		5
16311	Direct Growth of Carbon Nanotubes on Metal Supports by Chemical Vapor Deposition. , 2011, , .		4
16312	Hydrogen-induced self-assembly of helical carbon nanostructures from ethanol over SiO ₂ catalysts. Journal of Applied Physics, 2011, 109, 094317.	2.5	4
16313	An Atomistic-based Spring-mass Finite Element Approach for Vibration Analysis of Carbon Nanotube Mass Detectors. , 0, , .		0
16314	Carbon Nanotubes in Biomedicine and Biosensing. , 2011, , .		6
16315	Modeling of Carbon Nanotube Field Effect Transistors. , 0, , .		0
16316	Simultaneous Detection of Multi-DNAs and Antigens Based on Self-Assembly of Quantum Dots and Carbon Nanotubes. , 0, , .		0
16317	Carbon Nanotube Radio. , 2011, , .		0
16318	Initial Growth Process of Carbon Nanotubes in Surface Decomposition of SiC. , 2011, , .		4
16319	The Application of Carbon Nanotube to Bone Cement. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
16320	Conductivity Percolation of Carbon Nanotubes in Polyacrylamide Gels. , 2011, , .		3
16321	Synthesis of Carbon Nanomaterials in a Swirled Floating Catalytic Chemical Vapour Deposition Reactor for Continuous and Large Scale Production. , 0, , .		1
16322	Mechanisms of Single-Walled Carbon Nanotube Nucleation, Growth and Chirality-Control: Insights from QM/MD Simulations. , 2011, , .		0
16323	Polymer Nanocomposite Materials Based on Carbon Nanotubes. , 0, , .		0
16324	Synthesis of Carbon Nanotubes Using Metal-Modified Nanoporous Silicas. , 2011, , .		1
16325	Prediction of the Elastic Properties of Single Walled Carbon Nanotube Reinforced Polymers: A Comparative Study of Several Micromechanical Models. , 0, , .		1
16326	Novel carbon nanotubes-based hybrid composites for sensing applications. , 0, , .		6
16327	Defected and Substitutionally Doped Nanotubes: Applications in Biosystems, Sensors, Nanoelectronics, and Catalysis. , 0, , .		2
16328	Exciton Dephasing in a Single Carbon Nanotube Studied by Photoluminescence Spectroscopy. , 2011, , .		1
16329	Nanofluids for Heat Transfer. , 0, , .		4
16330	Properties of Nanofillers in Polymer. , 0, , .		13
16331	Microwave Dielectric Characterization of Carbon Nanotube Networks. , 2011, , .		0
16332	Surface Modification Approaches for Electrochemical Biosensors. , 2011, , .		11
16333	PLA/Carbon Nanotubes Multifilament Yarns for Relative Humidity Textile Sensor. Journal of Engineered Fibers and Fabrics, 2011, 6, 155892501100600.	1.0	24
16334	Fracture Behaviors of Graphene Sheets and Carbon Nanotubes. , 0, , .		1
16336	Functionalized carbon nanomaterials: exploring the interactions with Caco-2 cells for potential oral drug delivery. International Journal of Nanomedicine, 2011, 6, 2253.	6.7	33
16337	Aspectos quirales del grafeno. Ingeniare, 2011, 19, 67-75.	0.3	3
16339	Carbon Nanotube-Based Photonic Devices: Applications in Nonlinear Optics. , 2011, , .		10

#	ARTICLE	IF	CITATIONS
16340	Electrical Properties of CNT-Based Polymeric Matrix Nanocomposites. , 2011, , .		9
16341	Research and Application of CNT Composite Electroplating. , 2011, , .		3
16342	Syntheses and Electronic Applications of Helical Carbon Nanofibers. , 0, , .		2
16343	Characterization of Nanotube- Reinforced Polymer Composites. , 0, , .		5
16344	Development of Dye-Sensitized Solar Cell for High Conversion Efficiency. , 0, , .		3
16345	Microwave-Assisted Preparation of Carbon Nanotubes with Versatile Functionality. , 2011, , .		1
16346	Functionalization Methods of Carbon Nanotubes and Its Applications. , 0, , .		22
16348	Preparation, characterization and As(V) adsorption behaviour of CNT-ferrihydrite composites. International Journal of Engineering, Science and Technology, 2011, 2, .	0.6	3
16349	Characterizing Multi-Walled Carbon Nanotube Synthesis for Field Emission Applications. , 0, , .		1
16350	Characterizing Functionalized Carbon Nanotubes for Improved Fabrication in Aqueous Solution Environments. , 2011, , .		1
16351	Tungsten/Platinum Hybrid Nanowire Growth via Field Emission Using Nanorobotic Manipulation. Journal of Nanotechnology, 2011, 2011, 1-8.	3.4	5
16352	Assembly of Carbon Nanotubes between Electrodes by Utilizing Optically Induced Dielectrophoresis and Dielectrophoresis. Advances in OptoElectronics, 2011, 2011, 1-6.	0.6	7
16353	Enhancement in Photoelectrochemical Efficiency by Fabrication of BiVO ₄ @MWCNT Nanocomposites. Journal of Nanotechnology, 2011, 2011, 1-6.	3.4	8
16354	Adsorption Properties of Oxygen on <i>H</i> -Capped (5, 5) Boron Nitride Nanotube (BNNT)- A Density Functional Theory. E-Journal of Chemistry, 2011, 8, 609-614.	0.5	7
16355	A Comparative Study of Carbon Nanotubes Synthesized from Co/Zn/Al and Fe/Ni/Al Catalyst. E-Journal of Chemistry, 2011, 8, 1014-1021.	0.5	3
16356	Electron Gas Dynamic Conductivity Tensor on the Nanotube Surface in Magnetic Field. Advances in Condensed Matter Physics, 2011, 2011, 1-7.	1.1	6
16357	Materials and Devices for Organic Electronics. Journal of Nanotechnology, 2011, 2011, 1-2.	3.4	5
16358	Polymer/Carbon Nanotube Nanocomposites. , 0, , .		59

#	ARTICLE	IF	CITATIONS
16359	Flame Synthesis of Carbon Nanotubes. , 0, , .		26
16360	Single Wall Carbon Nanotubes in the Presence of Vacancies and Related Energy Gaps. , 0, , .		0
16361	Microstructural analysis of carbon nanomaterials produced from pyrolysis/combustion of Styrene-Butadiene-Rubber (SBR). Materials Research, 2011, 14, 499-504.	1.3	13
16362	Optimization of single-walled carbon nanotube solubility by noncovalent PEGylation using experimental design methods. International Journal of Nanomedicine, 2011, 6, 737.	6.7	32
16363	Reinforced Thermoplastic Natural Rubber (TPNR) Composites with Different Types of Carbon Nanotubes (MWNTS). , 0, , .		3
16364	Functionalization of Carbon Nanotubes. , 0, , .		43
16365	Matrices for Sensors from Inorganic, Organic, and Biological Nanocomposites. Materials, 2011, 4, 1483-1518.	2.9	5
16366	Control of Porosity and Pore Size of Metal Reinforced Carbon Nanotube Membranes. Membranes, 2011, 1, 25-36.	3.0	42
16367	Nucleation and Vertical Growth of Nano-Graphene Sheets. , 2011, , .		0
16368	Carbon Nanotubes Supported Metal Nanoparticles for the Applications in Proton Exchange Membrane Fuel Cells (PEMFCs). , 0, , .		2
16369	Non-Covalent Functionalization of Carbon Nanotubes with Surfactants for Pharmaceutical Applications - A Critical Mini-Review. Drug Delivery Letters, 2011, 1, 45-57.	0.5	11
16370	Syntheses of Carbon Nanotube-Metal Oxides Composites; Adsorption and Photo-degradation. , 0, , .		32
16371	Electronic Band Structure of Carbon Nanotubes in Equilibrium and None-Equilibrium Regimes. , 0, , .		0
16372	Adhesion and Reinforcement of CNT-fluoroelastomers Composite for Oilfield Applications. Journal of the Adhesion Society of Japan, 2011, 47, 146-153.	0.0	1
16373	Improvement in Catalytic Performance of Carbon Nanotube-supported Metal Nanoparticles by Coverage with Silica Layers. Journal of the Japan Petroleum Institute, 2011, 54, 80-89.	0.6	4
16375	Effect of Oxygen Concentration on Damage Mechanism of Carbon Nanotubes Under High Current Density. , 2011, , .		1
16376	DEVELOPMENT OF NEW FUNCTIONAL ASPHALT-NANOCARBONS COMPOSITES. Journal of Japan Society of Civil Engineers Ser E1 (Pavement Engineering), 2011, 67, 65-74.	0.4	1
16377	Nanosecond pulse electrical fields used in conjunction with multi-wall carbon nanotubes as a potential tumor treatment. Biomedical Materials (Bristol), 2011, 6, 011002.	3.3	23

#	ARTICLE	IF	CITATIONS
16378	Fabrication of carbon nanotubes field emitter arrays on the flexible substrate using reversal roller imprint lithography. International Journal of Nanomanufacturing, 2011, 7, 383.	0.3	0
16379	Carbon-Based Nanomedicine. , 2011, , 1-24.		0
16380	NONLINEAR VIBRATION AND BENDING INSTABILITY OF A SINGLE-WALLED CARBON NANOTUBE USING NONLOCAL ELASTIC BEAM THEORY. International Journal of Nanoscience, 2011, 10, 447-453.	0.7	8
16381	Carbon Nanotube Risk Assessment. Journal of Occupational and Environmental Medicine, 2011, 53, S91-S97.	1.7	12
16382	Solid-Phase Extraction of Some Heavy Metal Ions on a Double-Walled Carbon Nanotube Disk and Determination by Flame Atomic Absorption Spectrometry. Journal of AOAC INTERNATIONAL, 2011, 94, 1617-1624.	1.5	14
16383	A Study of the Adsorption Properties of Single Walled Carbon Nanotubes Treated with Nitric Acid. Adsorption Science and Technology, 2011, 29, 705-722.	3.2	11
16384	The Last Decade of Carbon Paste Electrodes in DNA Electrochemistry. Current Analytical Chemistry, 2011, 7, 80-100.	1.2	8
16385	The Recent Electrochemical Biosensor Technologies for Monitoring of Nucleic Acid Hybridization. Current Analytical Chemistry, 2011, 7, 63-70.	1.2	11
16386	Cobalt Catalyzed Carbon Nanotube Growth on Graphitic Paper Supports. Current Nanoscience, 2011, 7, 315-322.	1.2	4
16387	Vanadium Oxide-Based Composite Catalysts for the Oxidation of Styrene: A Comparative Study. Current Nanoscience, 2011, 7, 781-789.	1.2	5
16388	Layer-by-Layer Polyelectrolyte Assembles Involving DNA as a Platform for DNA Sensors. Current Analytical Chemistry, 2011, 7, 8-34.	1.2	24
16389	Electron field emission characteristics of nano-carbon needle films fabricated by microwave plasma CVD. , 2011, , .		0
16390	Water dispersibility of gluconate functionalised multiwalled carbon nanotubes and facile strategy for construction of hybrid nanostructures. Materials Technology, 2011, 26, 80-86.	3.0	0
16391	Twisting Effects on Carbon Nanotubes: A First-Principles Study with Helical Symmetry Operations. Journal of Physics: Conference Series, 2011, 302, 012007.	0.4	5
16392	Graphene: Synthesis, Functionalization and Properties. , 2011, , 1-32.		1
16393	Electrical transport measurements of highly conductive nitrogen-doped multiwalled carbon nanotubes/poly(bisphenol A carbonate) composites. Journal of Materials Research, 2011, 26, 2854-2859.	2.6	10
16394	Thermal-Nonlocal Vibration and Instability of Single-Walled Carbon Nanotubes Conveying Fluid. Journal of Mechanics, 2011, 27, 567-573.	1.4	10
16395	Influence of growth temperature on the structure, composition and bonding character of nitrogen-doped multiwalled carbon nanotubes. Journal of Materials Research, 2011, 26, 443-448.	2.6	10

#	ARTICLE	IF	CITATIONS
16396	Single-walled carbon nanotubes fractionation via electrophoresis. Polish Journal of Chemical Technology, 2011, 13, 1-4.	0.5	3
16397	Incorporation and Template Polymerization of Styrene in Single-walled Bilayer Membrane Nanotubes. Chemistry Letters, 2011, 40, 561-563.	1.3	11
16398	Photocurrent Generated from Nanoelectrode Consisting of Dye, Titania Gel, and Carbon Nanotube. Chemistry Letters, 2011, 40, 640-641.	1.3	1
16402	Polystyrene-MWCNT Based Nanocomposite Multifunctional Strain Sensor: Dynamic Monitoring of Civil Engineering Structures. , 2011, , .		1
16403	Updates on Lamination of Nanofiber. , 2011, , 90-97.		0
16409	Bioaffinity Sensors Based on MOS Field-Effect Transistors. , 2011, , 215-265.		1
16411	Electroanalysis and Simultaneous Determination of 6-Thioguanine in the Presence of Uric Acid and Folic Acid Using a Modified Carbon Nanotube Paste Electrode. Analytical Sciences, 2011, 27, 991-997.	1.6	77
16412	Chemical Speciation Analysis for Amorphous Boron and Precipitated Boron Carbide in Sintered Boron-Added Carbon Nanotubes. Bunseki Kagaku, 2011, 60, 807-811.	0.2	0
16413	Design, Synthesis and Characterization of an Acid-Responsive Dispersant for Carbon Nanotubes. Kobunshi Ronbunshu, 2011, 68, 656-663.	0.2	1
16414	Photocontrollable Supramolecular Materials Formed by Cyclodextrins and Azobenzene Polymers. Kobunshi Ronbunshu, 2011, 68, 669-678.	0.2	3
16415	MD Study of Functionalized Single-Walled Carbon Nanotube. Journal of Thermal Science and Technology, 2011, 6, 256-267.	1.1	0
16416	Effect of Surface Modification of Carbon Nanotube on the Strength Properties of Carbon Nanotube/Alumina Composites and Their Fracture Process. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2011, 77, 774-778.	0.2	2
16417	Dispersion of Carbon Nanotubes in Water by Noncovalent Wrapping with Peptides Screened by Phage Display. Chemistry Letters, 2011, 40, 880-882.	1.3	5
16418	Optical Emission Spectroscopy of C_{20} and C_{30} Molecules in Laser Ablation Carbon Plasma. , 2011, , 167-198.		3
16420	Thermometry on the nanometre-scale for biomedical applications using NMR spectroscopy. International Journal of Biomedical Nanoscience and Nanotechnology, 2011, 2, 99.	0.1	1
16421	Nanomanufacturing of multi-walled carbon nanotubes enhanced electrochemical electrode through surface micromachining. International Journal of Nanomanufacturing, 2011, 7, 104.	0.3	1
16422	Multifunctional vectors system for cancer therapy using single-walled carbon nanotubes and antisense oligonucleotide-modified gold nanoparticles composite materials. International Journal of Nanotechnology, 2011, 8, 664.	0.2	1
16423	A new quasiparticle in carbon nanotubes. Physics Magazine, 2011, 4, .	0.1	2

#	ARTICLE	IF	CITATIONS
16424	Vibrational properties between silver (4,4) nanotube and nanowire. Journal of Applied Physics, 2011, 110, 023514.	2.5	6
16425	Carbon Nanotubes and Carbon Nanotubes/Metal Oxide Heterostructures: Synthesis, Characterization and Electrochemical Property. , 2011, , .		9
16426	Voltammetric Oxidation of Ascorbic Acid Mediated by Multi-Walled Carbon Nanotubes/Titanium Dioxide Composite Modified Glassy Carbon Electrode. Journal of Applied Sciences, 2011, 11, 848-854.	0.3	6
16427	Optimized photolithographic fabrication process for carbon nanotube devices. AIP Advances, 2011, 1, .	1.3	29
16429	Computer Models of Helical Nanostructures. Journal of Modern Physics, 2011, 02, 97-108.	0.6	2
16430	Multiwall Carbon Nanotube Modified Electrochemical Sensor for Reactive Black 5. American Journal of Analytical Chemistry, 2011, 02, 814-819.	0.9	4
16432	Vibrational Analysis of Wavy Carbon Nanotube-Reinforced Composites. , 2011, , .		0
16433	Sound wave propagation in armchair single walled carbon nanotubes under thermal environment. Journal of Applied Physics, 2011, 110, .	2.5	17
16434	Microwave-assisted Functionalization of Carbon Nanostructured Materials. Current Organic Chemistry, 2011, 15, 1121-1132.	1.6	20
16435	Synthesis of Double Wall Carbon Nanotubes Using Sulfur as Catalyst. Journal of Electronic Packaging, Transactions of the ASME, 2011, 133, .	1.8	0
16436	Theoretical study of adsorption of lithium atom on carbon nanotube. AIP Advances, 2011, 1, .	1.3	28
16437	Observation of nonclassical scaling laws in the quality factors of cantilevered carbon nanotube resonators. Journal of Applied Physics, 2011, 110, .	2.5	33
16438	Toxicity evaluations of various carbon nanomaterials. Dental Materials Journal, 2011, 30, 245-263.	1.8	73
16439	Alignment of Carbon Nanofibers in the Al₂O₃ Matrix under a Magnetic Field. Materials Transactions, 2011, 52, 572-575.	1.2	6
16440	High-Temperature Strength Property of VGCF-Al Composite Materials Having High Thermal Conductivity. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2011, 77, 1037-1040.	0.2	0
16441	Evaluation of Crack Bridging Characteristics in Carbon Nanotube/Alumina Composites Using Single Fiber Pullout Testing Method. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2011, 77, 779-783.	0.2	0
16442	Sonochemical synthesis of ZnO nanotubes and their optical emissions. Journal of the Ceramic Society of Japan, 2011, 119, 535-537.	1.1	7
16443	Effect of CNT quantity and sintering temperature on electrical and mechanical properties of CNT-dispersed Si ₃ N ₄ ceramics. Journal of the Ceramic Society of Japan, 2011, 119, 70-75.	1.1	18

#	ARTICLE	IF	CITATIONS
16444	Differential effects of single-walled carbon nanotubes on cell viability of human lung and pharynx carcinoma cell lines. Journal of Toxicological Sciences, 2011, 36, 379-387.	1.5	13
16445	Synthesis of carbon nanotubes by fine Ni particles in Ni3Al foam. International Journal of Materials Research, 2011, 102, 1174-1179.	0.3	3
16446	Improved arc discharge setup for synthesis of single and multi walled carbon nanotubes. World Journal of Engineering, 2011, 8, 123-128.	1.6	1
16447	Improvement of Carbon Nanofibers/ZrO ₂ Composites Properties with a Zirconia Nanocoating on Carbon Nanofibers by Sol-Gel Method. Journal of the American Ceramic Society, 2011, 94, 2048-2052.	3.8	14
16448	Enhanced Tribological Performance of Silicon Nitride-Based Materials by Adding Carbon Nanotubes. Journal of the American Ceramic Society, 2011, 94, 2542-2548.	3.8	40
16449	Facile Synthesis and Characterization of Hexagonal Boron Nitride Nanoplates by Two-Step Route. Journal of the American Ceramic Society, 2011, 94, 4496-4501.	3.8	66
16450	Fabrication of Alumina Ceramic Reinforced with Boron Nitride Nanotubes with Improved Mechanical Properties. Journal of the American Ceramic Society, 2011, 94, 3636-3640.	3.8	39
16451	Bottom-up realization of a porous metal-organic nanotubular assembly. Nature Materials, 2011, 10, 291-295.	27.5	181
16452	Multi-component quantum gases in spin-dependent hexagonal lattices. Nature Physics, 2011, 7, 434-440.	16.7	275
16453	A study of bulky nanotube composites based on albumin by high-resolution microscopy. Biophysics (Russian Federation), 2011, 56, 194-199.	0.7	3
16454	Anisotropy of the electromagnetic properties of polymer composites based on multiwall carbon nanotubes in the gigahertz frequency range. JETP Letters, 2011, 93, 607-611.	1.4	27
16455	A percolation model for carbon nanotube-polymer composites using the Mandelbrot-Given curve. Journal of Structural Chemistry, 2011, 52, 54-59.	1.0	23
16456	The C-doped AlP nanotubes: A computational study. Solid State Sciences, 2011, 13, 244-250.	3.2	34
16457	Investigating electronic and structural properties of nitrogen-doped silicon carbide nanotubes through density functional calculations of chemical shielding parameters. Solid State Sciences, 2011, 13, 1251-1255.	3.2	8
16458	Size-dependent electronic structures of boron carbonitride (BC ₂ N) nanotubes. A DFT approach. Superlattices and Microstructures, 2011, 50, 491-500.	3.1	6
16459	Growth of SnO ₂ nanoparticles via thermal evaporation method. Superlattices and Microstructures, 2011, 50, 511-516.	3.1	22
16460	A DFT studies of structural and quadrupole coupling constants properties in C-doped BeO nanotubes. Superlattices and Microstructures, 2011, 50, 539-548.	3.1	6
16461	A nonlocal Levinson beam model for free vibration analysis of zigzag single-walled carbon nanotubes including thermal effects. Solid State Communications, 2011, 151, 1467-1471.	1.9	33

#	ARTICLE	IF	CITATIONS
16462	First principle study of the electronic and magnetic properties of a single iron atomic chain encapsulated in boron nitride nanotubes. Solid State Communications, 2011, 151, 1635-1639.	1.9	19
16463	Emerging technologies of plastic carbon nanoelectronics: A review. Surface and Coatings Technology, 2011, 206, 753-758.	4.8	31
16464	Carbon-based nanostructured composite films: Elastic, mechanical and optoelectronic properties derived from computer simulations. Surface and Coatings Technology, 2011, 206, 696-702.	4.8	6
16465	Biomedical investigation of CNT based coatings. Surface and Coatings Technology, 2011, 206, 759-766.	4.8	94
16466	Effect of substrate bias in amorphous carbon films having embedded nanocrystallites. Surface and Coatings Technology, 2011, 206, 155-164.	4.8	25
16467	Pt-modified carbon nanotube networked layers for enhanced gas microsensors. Thin Solid Films, 2011, 520, 959-965.	1.8	32
16468	Wear resistant coatings: Silica sol-gel reinforced with carbon nanotubes. Thin Solid Films, 2011, 519, 7904-7910.	1.8	28
16469	Electrochemical characterization of carbon nanotube forests grown on copper foil using transition metal catalysts. Thin Solid Films, 2011, 520, 1651-1655.	1.8	40
16470	Using carbon nanotube probes for high-resolution three-dimensional imaging of cells. Ultramicroscopy, 2011, 111, 1155-1162.	1.9	14
16471	Synthesis and improved electron field emission characteristics of Au-coated nano-carbon needle films. Vacuum, 2011, 86, 356-360.	3.5	4
16472	Buckling analysis of a single-layer graphene sheet embedded in an elastic medium based on nonlocal Mindlin plate theory. Mechanics Research Communications, 2011, 38, 481-485.	1.8	67
16473	Thermal interface materials for automotive electronic control unit: Trends, technology and R&D challenges. Microelectronics Reliability, 2011, 51, 2031-2043.	1.7	113
16474	Thermal and mechanical interfacial properties of epoxy composites based on functionalized carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 8517-8522.	5.6	98
16475	Fabrication and mechanical properties of SiO ₂ -Al ₂ O ₃ -BNPs and SiO ₂ -Al ₂ O ₃ -BNNTs composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 530, 669-674.	5.6	17
16476	Diffraction from transition metal chalcogenide nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1590-1593.	3.5	2
16477	Preparation, characterization and properties of acid functionalized multi-walled carbon nanotube reinforced thermoplastic polyurethane nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 1435-1447.	3.5	148
16478	A simple and rapid method to graft hydroxyapatite on carbon nanotubes. Materials Science and Engineering C, 2011, 31, 1477-1481.	7.3	35
16479	Mechanical and electrical properties of carbon nanofibers reinforced aluminum nitride composites prepared by plasma activated sintering. Journal of the European Ceramic Society, 2011, 31, 2137-2143.	5.7	29

#	ARTICLE	IF	CITATIONS
16480	The production of advanced fine-grained alumina by carbon nanotube addition. Journal of the European Ceramic Society, 2011, 31, 2853-2859.	5.7	47
16481	Adsorption of toluene, ethylbenzene and m-xylene on multi-walled carbon nanotubes with different oxygen contents from aqueous solutions. Journal of Hazardous Materials, 2011, 192, 1370-1379.	12.4	119
16482	Structural features of natural and acids modified chrysotile nanotubes. Journal of Physics and Chemistry of Solids, 2011, 72, 1015-1026.	4.0	21
16483	Effect of plasma treatment on electrical conductivity and Raman spectra of carbon nanotubes. Journal of Physics and Chemistry of Solids, 2011, 72, 1101-1103.	4.0	9
16484	Functionalization of multi-walled carbon nanotubes by epoxide ring-opening polymerization. Journal of Solid State Chemistry, 2011, 184, 3253-3256.	2.9	43
16485	A new purification method for carbon nanotubes and associated atomic force microscope force-distance curve analysis. Separation and Purification Technology, 2011, 81, 174-183.	7.9	4
16486	A stable sandwich-type amperometric biosensor based on poly(3,4-ethylenedioxythiophene)-single walled carbon nanotubes/ascorbate oxidase/nafion films for detection of L-ascorbic acid. Sensors and Actuators B: Chemical, 2011, 159, 277-285.	7.8	92
16487	Nanolayer treatment to realize suitable configuration for electrochemical allopurinol sensor based on molecular imprinting recognition sites on multiwall carbon nanotube surface. Sensors and Actuators B: Chemical, 2011, 160, 99-104.	7.8	28
16488	Comparing sensitivities of differently oriented multi-walled carbon nanotubes integrated on silicon wafer for electrochemical biosensors. Sensors and Actuators B: Chemical, 2011, 160, 327-333.	7.8	21
16489	Facile, size-controlled deposition of highly dispersed gold nanoparticles on nitrogen carbon nanotubes for hydrogen sensing. Sensors and Actuators B: Chemical, 2011, 160, 1034-1042.	7.8	21
16490	Ideal polyhedral models for single-walled nanotubes. Physics Procedia, 2011, 22, 144-149.	1.2	1
16491	Flow-thermoelastic vibration and instability analysis of viscoelastic carbon nanotubes embedded in viscous fluid. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 17-24.	2.7	69
16492	A comparative study of the growth, microstructural and electrical properties of multiwall CNTs grown by thermal and microwave plasma enhanced CVD methods. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 29-36.	2.7	16
16493	Effect of temperature and geometrical nonlinearity on wave propagation characteristics of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 87-96.	2.7	7
16494	Electronic structures of deformed B2C nanotubes under tensile strain. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 105-110.	2.7	2
16495	Vibration analysis of nanorings using nonlocal continuum mechanics and shear deformable ring theory. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 135-140.	2.7	33
16496	Effect of tube radius on the electronic and magnetic properties of finite boron nitride zigzag nanotubes using DFT. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 179-185.	2.7	7
16497	Single-walled carbon nanotube-based biosensors for the detection of volatile organic compounds of lung cancer. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 44, 367-372.	2.7	44

#	ARTICLE	IF	CITATIONS
16498	Thermal effect on axial buckling behavior of multi-walled carbon nanotubes based on nonlocal shell model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 373-378.	2.7	21
16499	Thermalâ€“mechanical vibration and instability analysis of fluid-conveying double walled carbon nanotubes embedded in visco-elastic medium. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 379-385.	2.7	41
16500	Electron transport in metallic carbon nanotubes with multiple B and N dopants. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 411-415.	2.7	3
16501	Gas adsorption effects on the electrical conductivity of semiconducting carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 454-459.	2.7	1
16502	Free vibration analysis of nanocones using a nonlocal continuum model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 3593-3598.	2.1	41
16503	The physics of ultra-short laser interaction with solids at non-relativistic intensities. <i>Physics Reports</i> , 2011, 508, 91-243.	25.6	221
16504	Electrical, mechanical, and glass transition behavior of polycarbonate-based nanocomposites with different multi-walled carbon nanotubes. <i>Polymer</i> , 2011, 52, 3835-3845.	3.8	156
16505	Thermally induced phase separation in P \pm MSAN/PMMA blends in presence of functionalized multiwall carbon nanotubes: Rheology, morphology and electrical conductivity. <i>Polymer</i> , 2011, 52, 4480-4489.	3.8	27
16506	A simulation study on the effects of shear flow on the microstructure and electrical properties of carbon nanotube/polymer composites. <i>Polymer</i> , 2011, 52, 5178-5185.	3.8	57
16507	In situ synthesis and characterization of poly(2,5-benzoxazole)/multiwalled carbon nanotubes composites. <i>Polymer</i> , 2011, 52, 5271-5276.	3.8	24
16508	Effect of heat treatment on morphology and thermal decomposition kinetics of multiwalled carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2011, 125, 161-167.	4.0	26
16509	Effect of ambient gaseous environment on the properties of amorphous carbon thin films. <i>Materials Chemistry and Physics</i> , 2011, 125, 558-567.	4.0	29
16510	General rules governing carbon nanomaterial growth directly on metal support by chemical vapor deposition. <i>Materials Chemistry and Physics</i> , 2011, 125, 386-389.	4.0	4
16511	Effects of experimental conditions on one-dimensional single-crystal nanostructure of β -FeOOH. <i>Materials Chemistry and Physics</i> , 2011, 127, 220-226.	4.0	72
16512	Controllable synthesis of carbon nanotubes by changing the Mo content in bimetallic Feâ€“Mo/MgO catalyst. <i>Materials Chemistry and Physics</i> , 2011, 127, 379-384.	4.0	39
16513	Fabrication of magnesium based composites reinforced with carbon nanotubes having superior mechanical properties. <i>Materials Chemistry and Physics</i> , 2011, 127, 451-458.	4.0	56
16514	Poly(benzimidazole) functionalized multi-walled carbon nanotubes/100% acidified poly(hydroxyaminoether) composites: Synthesis, characterization and properties. <i>Materials Chemistry and Physics</i> , 2011, 129, 356-364.	4.0	10
16515	Effect of maleic anhydride modified MWCNTs on the morphology and dynamic mechanical properties of its PMMA composites. <i>Materials Chemistry and Physics</i> , 2011, 129, 1214-1220.	4.0	29

#	ARTICLE	IF	CITATIONS
16516	Supramolecular architectures in layer-by-layer films of single-walled carbon nanotubes, chitosan and cobalt (II) phthalocyanine. Materials Chemistry and Physics, 2011, 130, 1072-1077.	4.0	22
16517	Synthesis of fluorescent carbon nanoparticles directly from active carbon via a one-step ultrasonic treatment. Materials Research Bulletin, 2011, 46, 147-151.	5.2	154
16518	Mass production of multi-wall carbon nanotubes by metal dusting process with high yield. Materials Research Bulletin, 2011, 46, 716-721.	5.2	16
16519	Influence of the crystallinity of the iron catalysts on the formation of carbon nanotubes. Materials Research Bulletin, 2011, 46, 884-887.	5.2	4
16520	Template-free solution approach to synthesize CdS dendrites with SCN based ionic liquid. Materials Research Bulletin, 2011, 46, 1113-1117.	5.2	4
16521	Processing and mechanical properties of carbon nanotube/alumina hybrid reinforced high density polyethylene composites. Materials Research Bulletin, 2011, 46, 1143-1147.	5.2	13
16522	Magnetic alignment of nickel-coated carbon fibers. Materials Research Bulletin, 2011, 46, 2090-2093.	5.2	6
16523	Transition metal oxide nanowires synthesized by heating metal substrates. Materials Research Bulletin, 2011, 46, 2120-2124.	5.2	11
16524	Fabrication of homogeneous titania/MWNT composite materials. Materials Research Bulletin, 2011, 46, 1991-1996.	5.2	5
16525	Growth of single and double walled carbon nanotubes over Co/V/MgO catalysts. Materials Research Bulletin, 2011, 46, 1987-1990.	5.2	4
16526	Fabrication of carbon nanoneedle and carbon nanowall mixture film with two-step growth method. Materials Letters, 2011, 65, 78-81.	2.6	10
16527	Mesoporous silica helical ribbon and nanotube-within-a-nanotube synthesized by sol-gel self-assembly. Materials Letters, 2011, 65, 233-235.	2.6	4
16528	Preparation of carbon nanotube by rotary CVD on Ni nano-particle precipitated cBN using nickelocene as a precursor. Materials Letters, 2011, 65, 367-370.	2.6	35
16529	SiO ₂ /Cd(OH) ₂ composite nanotubes prepared by microwave-solvothermal transformation using water-dissolvable KCdCl ₃ nanowires as precursor and template. Materials Letters, 2011, 65, 343-345.	2.6	3
16530	Fabrication of rectangular 2,6-diamino-3,5-dinitropyrazine-1-oxide Microtubes. Materials Letters, 2011, 65, 1018-1021.	2.6	19
16531	CuS nanotubes prepared using Cu(OH) ₂ nanowires as self-sacrificial template. Materials Letters, 2011, 65, 1089-1091.	2.6	17
16532	Carbon nanotubes growth on silicon nitride substrates. Materials Letters, 2011, 65, 1479-1481.	2.6	7
16533	Aging behavior of the matrix of aluminum-magnesium-silicon alloy including carbon nanotubes. Materials Letters, 2011, 65, 1723-1725.	2.6	16

#	ARTICLE	IF	CITATIONS
16534	Chirality-enriched semiconducting carbon nanotubes synthesized on high surface area MgO-supported catalyst. Materials Letters, 2011, 65, 1878-1881.	2.6	29
16535	A pressure enhanced CVD method for large scale synthesis of carbon microtubes and their mechanical properties. Materials Letters, 2011, 65, 2004-2006.	2.6	6
16536	Reducing resistivity of polyamide-6/multi-walled carbon nanotube composites by adding ultra-fine rubber particles on account of non-volume exclusion effect. Materials Letters, 2011, 65, 2055-2058.	2.6	8
16537	Incorporation of carbon nanotubes into micro-coatings film formed on aluminum alloy via plasma electrolytic oxidation. Materials Letters, 2011, 65, 2269-2273.	2.6	35
16538	Formation of carbon fiber florets using copper tartrate catalyst precursors. Materials Letters, 2011, 65, 2779-2782.	2.6	4
16539	Carbon nanotubes doped SiO ₂ /SiO ₂ •PbO double layer high emissivity coating. Materials Letters, 2011, 65, 2592-2594.	2.6	24
16540	MWCNT synthesis over Fe-BTC as a catalyst/carbon source via CVD. Materials Letters, 2011, 65, 3055-3057.	2.6	21
16541	Synthesis of SiO ₂ covered SiC nanowires with milled Si ₃ C ₄ nanopowders. Materials Letters, 2011, 65, 3461-3464.	2.6	13
16542	Polymer-based carbon-nanotube film with reversible signal tracking capabilities. Materials Letters, 2011, 65, 3533-3536.	2.6	1
16543	Influence of carbon nanotube (CNT) on the mechanical properties of LLDPE/CNT nanocomposite fibers. Materials Letters, 2011, 65, 3633-3635.	2.6	33
16544	Carbon based materials for electronic bio-sensing. Materials Today, 2011, 14, 424-433.	14.2	138
16545	Evaluation of CNT toxicity by comparison to tattoo ink. Materials Today, 2011, 14, 434-440.	14.2	19
16546	Carbon nanofillers for machining insulating ceramics. Materials Today, 2011, 14, 496-501.	14.2	65
16547	Production of single-walled carbon nanotubes from methane over Co-Mo/MgO nanocatalyst: A comparative study of fixed and fluidized bed reactors. Journal of Natural Gas Chemistry, 2011, 20, 372-376.	1.8	17
16548	Adhesion, proliferation and differentiation of pluripotent stem cells on multi-walled carbon nanotubes. IET Nanobiotechnology, 2011, 5, 41-46.	3.8	23
16549	Investigating purine-functionalised carbon nanotubes and their properties: a computational approach. IET Nanobiotechnology, 2011, 5, 32-35.	3.8	10
16550	Molecular motion, morphology and properties of 3-isocyanato-propyltriethoxysilane-modified multi-walled carbon nanotube/epoxy composites. Micro and Nano Letters, 2011, 6, 463.	1.3	7
16551	Application Research at the Nano and Advanced Materials Institute. IEEE Nanotechnology Magazine, 2011, 5, 13-22.	1.3	1

#	ARTICLE	IF	CITATIONS
16552	Carbon Nanotube-Based CMOS Gas Sensor IC: Monolithic Integration of Pd Decorated Carbon Nanotube Network on a CMOS Chip and Its Hydrogen Sensing. IEEE Transactions on Electron Devices, 2011, 58, 3604-3608.	3.0	3
16553	Characterization of Single- and Multiwalled Carbon Nanotube Composites for Electromagnetic Shielding and Tunable Applications. IEEE Transactions on Electromagnetic Compatibility, 2011, 53, 943-949.	2.2	33
16554	Synthesis and highly visible-induced photocatalytic activity of CNT-CdSe composite for methylene blue solution. Nanoscale Research Letters, 2011, 6, 398.	5.7	51
16555	Mechanical characterization of nanoindented graphene via molecular dynamics simulations. Nanoscale Research Letters, 2011, 6, 481.	5.7	23
16556	Systematic study on synthesis and purification of double-walled carbon nanotubes synthesized via CVD. Materials Science-Poland, 2011, 29, 292-298.	1.0	2
16557	Synthesis and modification of multi-walled carbon nano-tubes (MWCNTs) for water treatment applications. Journal of Analytical and Applied Pyrolysis, 2011, 92, 307-313.	5.5	87
16558	A reagentless amperometric immunosensor for human chorionic gonadotrophin based on a gold nanotube arrays electrode. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 389, 195-200.	4.7	25
16559	A sensor based on the carbon nanotubes-ionic liquid composite for simultaneous determination of hydroquinone and catechol. Colloids and Surfaces B: Biointerfaces, 2011, 88, 292-296.	5.0	75
16560	Simultaneous determination of uric acid, xanthine and hypoxanthine at poly(pyrocatechol) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 427 Td and Surfaces B: Biointerfaces, 2011, 88, 614-621.	5.0	85
16561	Axial wave propagation in coupled nanorod system with nonlocal small scale effects. Composites Part B: Engineering, 2011, 42, 2013-2023.	12.0	50
16562	Liquid sensing properties of melt processed polypropylene/poly(Îµ-caprolactone) blends containing multiwalled carbon nanotubes. Composites Science and Technology, 2011, 71, 1451-1460.	7.8	50
16563	Fabrication and characterization of recyclable carbon nanotube/polyvinyl butyral composite fiber. Composites Science and Technology, 2011, 71, 1665-1670.	7.8	26
16564	Carbon nanotubeâ€“polymer interactions in nanocomposites: A review. Composites Science and Technology, 2011, 72, 72-84.	7.8	409
16565	Fabrication and characterization of Al-matrix composites reinforced with amino-functionalized carbon nanotubes. Composites Science and Technology, 2011, 72, 103-111.	7.8	34
16566	Interaction between two graphene sheets with a turbostratic orientational relationship. Chemical Physics Letters, 2011, 512, 146-150.	2.6	109
16567	Chemically attached gold nanoparticleâ€“carbon nanotube hybrids for highly sensitive SERS substrate. Chemical Physics Letters, 2011, 512, 237-242.	2.6	30
16568	Selective synthesis of carbon nanotubes and multi-layer graphene by controlling catalyst thickness. Chemical Physics Letters, 2011, 514, 294-300.	2.6	31
16569	Enhanced nonlinearities of functionalized single wall carbon nanotubes with diethynylsilane derivatives. Chemical Physics Letters, 2011, 514, 134-140.	2.6	7

#	ARTICLE	IF	CITATIONS
16570	The effects of an explicit water environment on the interaction of a single wall carbon nanotube with amino acids: A theoretical study. <i>Chemical Physics Letters</i> , 2011, 518, 81-86.	2.6	6
16571	Electrochemical preparation of over-oxidized polypyrrole/multi-walled carbon nanotube composite on glassy carbon electrode and its application in epinephrine determination. <i>Electrochimica Acta</i> , 2011, 57, 132-138.	5.2	62
16572	Different behaviors of single and multi wall carbon nanotubes for studying electrochemistry and electrocatalysis of choline oxidase. <i>Electrochimica Acta</i> , 2011, 56, 9542-9548.	5.2	20
16573	A hydrogen peroxide sensor based on a horseradish peroxidase/polyaniline/carboxy-functionalized multiwalled carbon nanotube modified gold electrode. <i>Electrochimica Acta</i> , 2011, 56, 9488-9495.	5.2	48
16574	Glassy carbon electrode modified with a bilayer of multi-walled carbon nanotube and polypyrrole doped with new coccine: Application to the sensitive electrochemical determination of Sumatriptan. <i>Electrochimica Acta</i> , 2011, 56, 10032-10038.	5.2	26
16575	Electrocatalytic and simultaneous determination of isoproterenol, uric acid and folic acid at molybdenum (VI) complex-carbon nanotube paste electrode. <i>Electrochimica Acta</i> , 2011, 56, 10259-10263.	5.2	146
16576	Enhanced electrochromic performance of f-MWCNT-WO ₃ composite. <i>Electrochimica Acta</i> , 2011, 58, 556-561.	5.2	48
16577	Effect of ionic liquid on dielectric, mechanical and dynamic mechanical properties of multi-walled carbon nanotubes/polychloroprene rubber composites. <i>European Polymer Journal</i> , 2011, 47, 2234-2243.	5.4	119
16578	Surface modification of natural halloysite clay nanotubes with aminosilanes. Application as catalyst supports in the atom transfer radical polymerization of methyl methacrylate. <i>Applied Catalysis A: General</i> , 2011, 406, 22-33.	4.3	108
16579	Pd nanoparticles immobilized on PAMAM-grafted MWCNTs hybrid materials as new recyclable catalyst for Mizoraki-Heck cross-coupling reactions. <i>Applied Catalysis A: General</i> , 2011, 406, 124-132.	4.3	88
16580	Palladium catalysts supported on N-functionalized hollow vapor-grown carbon nanofibers: The effect of the basic support and catalyst reduction temperature. <i>Applied Catalysis A: General</i> , 2011, 408, 137-147.	4.3	12
16581	Photocatalytic activity of CdS and Ag ₂ S quantum dots deposited on poly(amidoamine) functionalized carbon nanotubes. <i>Applied Catalysis B: Environmental</i> , 2011, 110, 99-107.	20.2	87
16582	Recent applications of carbon nanotubes in hydrogen production and storage. <i>Fuel</i> , 2011, 90, 3123-3140.	6.4	144
16583	Comparison of Pt/MWCNTs nanocatalysts synthesis processes for proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 10877-10883.	7.1	16
16584	Ni-Cu-Zn/MCM-22 catalysts for simultaneous production of hydrogen and multiwall carbon nanotubes via thermo-catalytic decomposition of methane. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13352-13360.	7.1	79
16585	Electrochemical detection of xanthine in fish meat by xanthine oxidase immobilized on carboxylated multiwalled carbon nanotubes/polyaniline composite film. <i>Biochemical Engineering Journal</i> , 2011, 58-59, 148-153.	3.6	47
16586	Tunable chemistry and morphology of multi-wall carbon nanotubes as a route to non-toxic, theranostic systems. <i>Biomaterials</i> , 2011, 32, 7677-7686.	11.4	67
16587	Tri-enzyme functionalized ZnO-NPs/CHIT/c-MWCNT/PANI composite film for amperometric determination of creatinine. <i>Biosensors and Bioelectronics</i> , 2011, 28, 64-70.	10.1	76

#	ARTICLE	IF	CITATIONS
16588	A carbon nanotube-based high-sensitivity electrochemical immunosensor for rapid and portable detection of clenbuterol. <i>Biosensors and Bioelectronics</i> , 2011, 28, 308-313.	10.1	95
16589	Mediator-free electrochemical biosensor based on buckypaper with enhanced stability and sensitivity for glucose detection. <i>Biosensors and Bioelectronics</i> , 2011, 30, 287-293.	10.1	28
16590	Advances in carbon nanotube based electrochemical sensors for bioanalytical applications. <i>Biotechnology Advances</i> , 2011, 29, 169-188.	11.7	401
16591	Incorporation of multi-walled carbon nanotubes into the oxide layer on a 7075 Al alloy coated by plasma electrolytic oxidation: Coating structure and corrosion properties. <i>Current Applied Physics</i> , 2011, 11, S55-S59.	2.4	43
16592	Synthesis of MWNTs using thermal chemical vapor deposition for the application of a counter electrode for DSSCs. <i>Current Applied Physics</i> , 2011, 11, S69-S72.	2.4	12
16593	Formation of freestanding two-dimensional carbon nanosheets from poly(phenylcarbyne) through pulsed laser ablation. <i>Carbon</i> , 2011, 49, 5117-5123.	10.3	14
16594	A review of methods for the accurate determination of the chiral indices of carbon nanotubes from electron diffraction patterns. <i>Carbon</i> , 2011, 49, 4961-4971.	10.3	34
16595	Carbon nanowalls deposited by inductively coupled plasma enhanced chemical vapor deposition using aluminum acetylacetonate as precursor. <i>Carbon</i> , 2011, 49, 4987-4995.	10.3	23
16596	Synthesis and characterization of phosphorus-nitrogen doped multiwalled carbon nanotubes. <i>Carbon</i> , 2011, 49, 5014-5021.	10.3	42
16597	1/f noise and mechanisms of the conductivity in carbon nanotube bundles. <i>Carbon</i> , 2011, 49, 5201-5206.	10.3	5
16598	The production of carbon microtubes by the carbonization of catkins and their use in the oxygen reduction reaction. <i>Carbon</i> , 2011, 49, 5292-5297.	10.3	73
16599	Supramolecular modification of single-walled carbon nanotubes with a water-soluble triptycene derivative. <i>Carbon</i> , 2011, 49, 5339-5347.	10.3	11
16600	Carbon formation and gasification on metals. Bulk diffusion mechanism: A reassessment. <i>Catalysis Today</i> , 2011, 178, 110-116.	4.4	26
16601	Porous carbon-supported catalysts for energy and environmental applications: A short review. <i>Catalysis Today</i> , 2011, 178, 197-205.	4.4	272
16602	Removal of lead from water by amino modified multi-walled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2011, 173, 855-865.	12.7	227
16603	Removal of cobalt from aqueous solution by magnetic multiwalled carbon nanotube/iron oxide composites. <i>Chemical Engineering Journal</i> , 2011, 174, 126-133.	12.7	125
16604	Kinetic study of double-walled carbon nanotube synthesis by catalytic chemical vapour deposition over an Fe-Mo/MgO catalyst using methane as the carbon source. <i>Chemical Engineering Journal</i> , 2011, 175, 396-407.	12.7	32
16605	Removal of 4,4'-dichlorinated biphenyl from aqueous solution using methyl methacrylate grafted multiwalled carbon nanotubes. <i>Chemosphere</i> , 2011, 82, 751-758.	8.2	41

#	ARTICLE	IF	CITATIONS
16606	Carbon nanotubes as sorbents in the analysis of pesticides. <i>Chemosphere</i> , 2011, 83, 1407-1413.	8.2	161
16607	Voltammetric determination of promethazine hydrochloride at a multi-wall carbon nanotube modified glassy carbon electrode. <i>Drug Testing and Analysis</i> , 2011, 3, 182-186.	2.6	19
16608	Voltammetric determination of isoproterenol using multiwall carbon nanotubes-ionic liquid paste electrode. <i>Drug Testing and Analysis</i> , 2011, 3, 325-330.	2.6	73
16609	Environmental Fate, Transport, and Transformation of Carbon Nanoparticles. <i>ACS Symposium Series</i> , 2011, , 69-101.	0.5	3
16610	Ecotoxicity of Fullerenes and Carbon Nanotubes: A Critical Review of Evidence for Nano-Size Effects. <i>ACS Symposium Series</i> , 2011, , 103-119.	0.5	0
16611	Elastic, Electronic, and Optical Properties of Two-Dimensional Graphyne Sheet. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20466-20470.	3.1	380
16612	Review on the progress in synthesis and application of magnetic carbon nanocomposites. <i>Nanoscale</i> , 2011, 3, 2748.	5.6	222
16613	Nanoparticles in Liquid Crystals and Liquid Crystalline Nanoparticles. <i>Topics in Current Chemistry</i> , 2011, 318, 331-393.	4.0	159
16614	Nanostructured materials for water desalination. <i>Nanotechnology</i> , 2011, 22, 292001.	2.6	543
16615	Modular Engineering of H-Bonded Supramolecular Polymers for Reversible Functionalization of Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2011, 133, 15412-15424.	13.7	79
16616	The role of self-assembling polypeptides in building nanomaterials. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17435.	2.8	68
16617	Carbon Nanotube/Polyethersulfone Composite Membranes for Water Filtration. <i>ACS Symposium Series</i> , 2011, , 257-269.	0.5	5
16618	Graphene-Ni (001) interface study. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 11657.	2.8	6
16619	Carbon Nanotube Sidewall Functionalization with Carbonyl Compounds-Modified Birch Conditions vs the Organometallic Reduction Approach. <i>Journal of the American Chemical Society</i> , 2011, 133, 7985-7995.	13.7	72
16620	Modified TiO ₂ nanotube arrays (TNTAs): progressive strategies towards visible light responsive photoanode, a review. <i>Energy and Environmental Science</i> , 2011, 4, 1065.	30.8	265
16621	Stability and thermal conductivity enhancement of carbon nanotube nanofluid using gum arabic. <i>Journal of Experimental Nanoscience</i> , 2011, 6, 567-579.	2.4	114
16622	Polyamine functionalized carbon nanotubes: synthesis, characterization, cytotoxicity and siRNA binding. <i>Journal of Materials Chemistry</i> , 2011, 21, 4850.	6.7	38
16623	The effect of molecular weight on the supramolecular interaction between a conjugated polymer and single-walled carbon nanotubes. <i>Polymer Chemistry</i> , 2011, 2, 1404.	3.9	29

#	ARTICLE	IF	CITATIONS
16624	Ultrapure multilayer graphene in bromine-intercalated graphite. <i>Physical Review B</i> , 2011, 84, .	3.2	16
16625	Photoinduced processes of the supramolecularly functionalized semi-conductive SWCNTs with porphyrins via ion-pairing interactions. <i>Energy and Environmental Science</i> , 2011, 4, 707-716.	30.8	43
16626	Induced electro-optic effects in single-walled carbon nanotubes. I. Polarizability of metallic nanotubes. <i>Physical Review B</i> , 2011, 83, .	3.2	11
16627	Induced electro-optic effects in single-walled carbon nanotubes. II. Hydrodynamics of nanotubes in viscous media. <i>Physical Review B</i> , 2011, 83, .	3.2	9
16628	Current Standardization Activities of Measurement and Characterization for Industrial Applications. <i>Nanostructure Science and Technology</i> , 2011, , 117-163.	0.1	0
16629	Making carbon nanotubes biocompatible and biodegradable. <i>Chemical Communications</i> , 2011, 47, 10182.	4.1	323
16630	Liquid-phase exfoliation, functionalization and applications of graphene. <i>Nanoscale</i> , 2011, 3, 2118.	5.6	265
16631	Recent developments in nanostructured anode materials for rechargeable lithium-ion batteries. <i>Energy and Environmental Science</i> , 2011, 4, 2682.	30.8	2,057
16632	Characterizations on the amidized multiwalled carbon nanotubes grafted with polyaniline via <i>in situ</i> polymerization. <i>Journal of Applied Polymer Science</i> , 2012, 124, 5270-5278.	2.6	3
16633	Optimized process for the inclusion of carbon nanotubes in elastomers with improved thermal and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4993-5001.	2.6	6
16634	Developmental toxicity of engineered nanoparticles. , 2011, , 269-290.		16
16635	Multiply folded graphene. <i>Physical Review B</i> , 2011, 83, .	3.2	269
16636	Nanomechanical architecture of semiconductor nanomembranes. <i>Nanoscale</i> , 2011, 3, 96-120.	5.6	79
16637	Double-walled carbon nanotubes: Challenges and opportunities. <i>Nanoscale</i> , 2011, 3, 503-518.	5.6	169
16638	Understanding the Metal-Carbon Interface in FePt Catalyzed Carbon Nanotubes. <i>Physical Review Letters</i> , 2011, 107, 185501.	7.8	25
16639	Effect of impurities on Fabry-Pérot physics of ballistic carbon nanotubes. <i>Physical Review B</i> , 2011, 84, .	3.2	4
16640	Influence of the solution temperature on carbon nanotube formation by arc discharge method. <i>Journal of Experimental Nanoscience</i> , 2011, 6, 432-440.	2.4	7
16641	Electrical probe for mechanical vibrations in suspended carbon nanotubes. <i>Physical Review B</i> , 2011, 84, .	3.2	27

#	ARTICLE	IF	CITATIONS
16642	Structural properties of carbon nanotubes derived from $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 13 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{C NMR}$. Physical Review B, 2011, 84, .	3.2	28
16643	Spin filtering and disorder-induced magnetoresistance in carbon nanotubes: $\langle i \rangle$ Ab initio $\langle /i \rangle$ calculations. Physical Review B, 2011, 84, .	3.2	14
16644	Selective Alignment of Carbon Nanotubes on Sapphire Surfaces: Bond Formation between Nanotubes and Substrates. Physical Review Letters, 2011, 107, 065501.	7.8	5
16645	Energetics and electronic structure of semiconducting single-walled carbon nanotubes adsorbed on metal surfaces. Physical Review B, 2011, 84, .	3.2	10
16646	Polarizability and hyperpolarizability of BN zigzag nanotubes calculated by the coupled perturbed Kohn-Sham scheme. Physical Review B, 2011, 83, .	3.2	23
16647	Defect-induced multicomponent electron scattering in single-walled carbon nanotubes. Physical Review B, 2011, 83, .	3.2	16
16648	Electron-phonon coupling and superconductivity in double-walled carbon nanotubes. Physical Review B, 2011, 83, .	3.2	14
16649	Supramolecular complexes of single walled carbon nanotubes with conjugated polymers. Polymer Chemistry, 2011, 2, 411-416.	3.9	38
16650	Single-file water in nanopores. Physical Chemistry Chemical Physics, 2011, 13, 15403.	2.8	99
16651	Nanoscale Surface Modification Techniques for Pool Boiling Enhancement—A Critical Review and Future Directions. Heat Transfer Engineering, 2011, 32, 827-842.	1.9	140
16652	Review on the Preparation and Thermal Performances of Carbon Nanotube Contained Nanofluids. Journal of Chemical & Engineering Data, 2011, 56, 1030-1041.	1.9	100
16653	Thermo mechanical buckling analysis of carbon nanotubes on winkler foundation using non-local elasticity theory and DTM. Sadhana - Academy Proceedings in Engineering Sciences, 2011, 36, 1009-1019.	1.3	7
16654	Carbon nanotubes: Potential uses in radionuclide concentration. Russian Journal of General Chemistry, 2011, 81, 1972-1979.	0.8	5
16655	Regularities of the filling of $\text{Mg}_3\text{Si}_2\text{O}_5(\text{OH})_4$ hydrosilicate nanotubes with solutions of sodium hydroxide and sodium chloride. Glass Physics and Chemistry, 2011, 37, 418-425.	0.7	11
16656	Neutron studies of carbon nanostructures. Nanotechnologies in Russia, 2011, 6, 407-418.	0.7	0
16657	A DFT study on the interaction between europium, uranium and SWCNT. Open Physics, 2011, 9, .	1.7	1
16658	Synthesis and characterization of Ni-Si mixed oxide nanocomposite as a catalyst for carbon nanotubes formation. Materials Science-Poland, 2011, 29, 152-157.	1.0	5
16659	Multi-walled carbon nanotubes modified glass carbon electrode and its electrocatalytic activity towards oxidation of paracetamol. Russian Journal of Electrochemistry, 2011, 47, 1262-1267.	0.9	15

#	ARTICLE	IF	CITATIONS
16660	Structure and properties of Si nanostructures on highly oriented pyrolytic graphite surface. Journal of Surface Investigation, 2011, 5, 554-558.	0.5	0
16661	Diblock copolymer micellar lithography: 1. Intermicellar interactions and pathways for control of monomicellar film structure. Colloid Journal, 2011, 73, 697-706.	1.3	2
16662	Hydrogen sorption by carbon nanomaterials. Russian Microelectronics, 2011, 40, 595-601.	0.5	1
16663	Electron spin waves of the surface of a nanotube. Physics of the Solid State, 2011, 53, 1594-1598.	0.6	5
16664	Structure of carbinoid nanotubes and carbinofullerenes. Physics of the Solid State, 2011, 53, 2385-2392.	0.6	30
16665	The structure and properties of the Si nanostructures on an HOPG surface. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 12-16.	0.6	0
16666	Effect of N doping and Stone-Wales defects on the electronic properties of graphene nanoribbons. European Physical Journal B, 2011, 79, 335-340.	1.5	42
16667	Stability and electronic properties of AlN nanotubes under the influence of external electric field. European Physical Journal B, 2011, 81, 121-125.	1.5	11
16668	Dimer-covering resonating-valence-bond treatment of single-walled zigzag carbon nanotubes. European Physical Journal B, 2011, 80, 469-475.	1.5	0
16669	Formation energy and geometry of vacancies at BN and B x C y N z nanocones. European Physical Journal B, 2011, 80, 127-135.	1.5	13
16670	Coherent electron transport in quasi one-dimensional carbon-based systems. European Physical Journal B, 2011, 81, 15-36.	1.5	13
16671	Carbon nanotubes adhesion and nanomechanical behavior from peeling force spectroscopy. European Physical Journal B, 2011, 84, 69-77.	1.5	20
16672	Electronic transport properties of junctions between carbon nanotubes and graphene nanoribbons. European Physical Journal B, 2011, 83, 487-492.	1.5	17
16673	Modeling of the functionalization of single-wall carbon nanotubes towards its solubilization in an aqueous medium. European Physical Journal D, 2011, 61, 381-388.	1.3	14
16674	Cluster modeling of three types of double-walled armchair silicon carbide nanotubes. European Physical Journal D, 2011, 64, 353-363.	1.3	8
16675	Effect of carbon nanotubes on the isotropic to nematic and the nematic to smectic- A phase transitions in liquid crystal and carbon nanotubes composites. European Physical Journal E, 2011, 34, 34.	1.6	35
16676	Raman spectroscopy of graphene and carbon nanotubes. Advances in Physics, 2011, 60, 413-550.	14.4	797
16677	One-Dimensional Nanostructures of π -Conjugated Molecular Systems: Assembly, Properties, and Applications from Photovoltaics, Sensors, and Nanophotonics to Nanoelectronics. Chemistry of Materials, 2011, 23, 682-732.	6.7	617

#	ARTICLE	IF	CITATIONS
16678	Comparative Studies on the Electrical and Mechanical Behavior of Catalytically Grown Multiwalled Carbon Nanotubes and Scrolled Graphene. <i>Nano Letters</i> , 2011, 11, 3295-3300.	9.1	47
16679	Nanoscale control of energy and matter in plasma-surface interactions: Toward energy- and matter-efficient nanotech. <i>Physics of Plasmas</i> , 2011, 18, 057101.	1.9	5
16680	Carbon nanotubes and their composites in electrochemical applications. <i>Energy and Environmental Science</i> , 2011, 4, 1592.	30.8	535
16681	Self-heating of metallic carbon nanotube bundles in the regime of the Luttinger-liquid conductivity. <i>Low Temperature Physics</i> , 2011, 37, 710-717.	0.6	13
16682	GRAPHENE: SYNTHESIS, FUNCTIONALIZATION AND PROPERTIES. <i>Modern Physics Letters B</i> , 2011, 25, 427-451.	1.9	39
16683	Emerging Applications of Carbon Nanotubes. <i>Chemistry of Materials</i> , 2011, 23, 646-657.	6.7	651
16684	Materials and Transducers Toward Selective Wireless Gas Sensing. <i>Chemical Reviews</i> , 2011, 111, 7315-7354.	47.7	250
16685	Facile synthesis and application of mesoporous silica coated magnetic carbon nanotubes. <i>Chemical Communications</i> , 2011, 47, 1210-1212.	4.1	35
16686	Functionalization of Multiwalled Carbon Nanotubes with Cyclic Nitrones for Materials and Composites: Addressing the Role of CNT Sidewall Defects. <i>Chemistry of Materials</i> , 2011, 23, 1923-1938.	6.7	51
16687	Controlled growth of single-walled carbon nanotubes on patterned substrates. <i>Chemical Society Reviews</i> , 2011, 40, 5221.	38.1	34
16689	Noncovalent Functionalization of SWNTs with Azobenzene-Containing Polymers: Solubility, Stability, and Enhancement of Photoresponsive Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4533-4539.	3.1	59
16690	Supramolecular Functionalization of Single-Walled Carbon Nanotubes (SWNTs) with Dithieno[3,2- <i>b</i> :2',3'- <i>b'</i>]pyrrole (DTP) Containing Conjugated Polymers. <i>Macromolecules</i> , 2011, 44, 9138-9145.	4.8	38
16691	Growth stimulation of gram (<i>Cicer arietinum</i>) plant by water soluble carbon nanotubes. <i>Nanoscale</i> , 2011, 3, 1176.	5.6	257
16692	Graphene in biomedicine: opportunities and challenges. <i>Nanomedicine</i> , 2011, 6, 317-324.	3.3	636
16693	Single-walled carbon nanotubes in biomedical imaging. <i>Journal of Materials Chemistry</i> , 2011, 21, 586-598.	6.7	139
16694	ZnO based advanced functional nanostructures: synthesis, properties and applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 599-614.	6.7	197
16695	Effect of vacancy defect on electrical properties of chiral single-walled carbon nanotube under external electrical field. <i>Chinese Physics B</i> , 2011, 20, 017302.	1.4	9
16696	Polyphenol biosensor based on laccase immobilized onto silver nanoparticles/multiwalled carbon nanotube/polyaniline gold electrode. <i>Analytical Biochemistry</i> , 2011, 419, 196-204.	2.4	82

#	ARTICLE	IF	CITATIONS
16697	Amperometric creatinine biosensor based on covalently coimmobilized enzymes onto carboxylated multiwalled carbon nanotubes/polyaniline composite film. <i>Analytical Biochemistry</i> , 2011, 419, 277-283.	2.4	86
16698	DNA insertion in and wrapping around carbon nanotubes. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2011, 1, 902-919.	14.6	6
16699	Poly(adipic acid-hexamethylene diamine)-functionalized multi-walled carbon nanotube nanocomposites. <i>Journal of Materials Science</i> , 2011, 46, 923-930.	3.7	22
16700	Fabrication of an aluminum-carbon nanotube metal matrix composite by accumulative roll-bonding. <i>Journal of Materials Science</i> , 2011, 46, 409-415.	3.7	53
16701	Preparation of carbon spheres by low-temperature pyrolysis of cyclic hydrocarbons. <i>Journal of Materials Science</i> , 2011, 46, 1494-1501.	3.7	20
16702	Preparation and characterization of olivary carbon by pyrolysis of ethanol with the manganese acetate as promoter via solvothermal method. <i>Journal of Materials Science</i> , 2011, 46, 1844-1849.	3.7	4
16703	Quantifying the dispersion of carbon nanotubes in thermoplastic-toughened epoxy polymers. <i>Journal of Materials Science</i> , 2011, 46, 3108-3118.	3.7	8
16704	Quantitative characterization of carbon nanotube turf topology by SEM analysis. <i>Journal of Materials Science</i> , 2011, 46, 3119-3126.	3.7	17
16705	Development of a Sn-Ag-Cu solder reinforced with Ni-coated carbon nanotubes. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 315-322.	2.2	74
16706	Fabrication of flat capped carbon nanotubes using an arc-discharge method assisted with a Sm-Co catalyst. <i>Journal of Materials Science: Materials in Electronics</i> , 2011, 22, 1387-1392.	2.2	5
16707	Geometrical and Electronic Properties of the Clusters of C ₂₀ Cage Doped with Alkali Metal Atoms. <i>Journal of Cluster Science</i> , 2011, 22, 31-39.	3.3	29
16708	Metal and Metal Oxide Nanostructures Prepared by Electrical Arc Discharge Method in Liquids. <i>Journal of Cluster Science</i> , 2011, 22, 233-266.	3.3	37
16709	Formation of soot from polycyclic aromatic hydrocarbons as well as fullerenes and carbon nanotubes in the combustion of hydrocarbon. <i>Journal of Engineering Physics and Thermophysics</i> , 2011, 84, 125-159.	0.6	16
16710	Modelling carbon nanotube based biosensor. <i>Journal of Mathematical Chemistry</i> , 2011, 49, 995-1010.	1.5	13
16711	Influence of the neutralization process on the preparation of titanate nanotubes by hydrothermal synthesis. <i>Journal of Porous Materials</i> , 2011, 18, 37-45.	2.6	14
16712	Magnetoelastic Anisotropy Induced Effects on Field and Temperature Dependent Magnetization Reversal of Ni Nanowires and Nanotubes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 785-792.	1.8	26
16713	Multiwalled carbon nanotubes incorporated bombyx mori silk nanofibers by electrospinning. <i>Journal of Polymer Research</i> , 2011, 18, 579-585.	2.4	36
16714	Thermal behaviour of nanocomposites based on linear-low-density poly(ethylene) and carbon nanotubes prepared by high energy ball milling. <i>Journal of Polymer Research</i> , 2011, 18, 949-956.	2.4	19

#	ARTICLE	IF	CITATIONS
16715	Crystallinity of biodegradable polymers reinforced with functionalized carbon nanotubes. Journal of Polymer Research, 2011, 18, 1249-1259.	2.4	27
16716	Effect of dispersion conditions on the mechanical properties of multi-walled carbon nanotubes based epoxy resin composites. Journal of Polymer Research, 2011, 18, 1397-1407.	2.4	104
16717	Catalytic Oxidation of Chlorobenzene over MnO _x /Al ₂ O ₃ -carbon Nanotubes Composites. Catalysis Letters, 2011, 141, 158-162.	2.6	31
16718	Pd-Decorated CNT-Promoted Pd-Ga ₂ O ₃ Catalyst for Hydrogenation of CO ₂ to Methanol. Catalysis Letters, 2011, 141, 886-894.	2.6	39
16719	Effects of Plasma and Acid Treatment on the Dispersion of Carbon Nanotubes in Liquids. Plasma Chemistry and Plasma Processing, 2011, 31, 441-448.	2.4	8
16720	Time relations between scientific production and patenting of knowledge: the case of nanotechnologies. Scientometrics, 2011, 89, 37-50.	3.0	50
16721	Adsorption and desorption of radionuclide europium(III) on multiwalled carbon nanotubes studied by batch techniques. Journal of Radioanalytical and Nuclear Chemistry, 2011, 287, 893-898.	1.5	39
16722	Adsorption of cesium (I) from aqueous solution using oxidized multiwall carbon nanotubes. Journal of Radioanalytical and Nuclear Chemistry, 2011, 287, 393-401.	1.5	75
16723	Adsorption of Eu(III) on iron oxide/multiwalled carbon nanotube magnetic composites. Journal of Radioanalytical and Nuclear Chemistry, 2011, 288, 587-593.	1.5	25
16724	Effect of pH, ionic strength and temperature on sorption characteristics of Th(IV) on oxidized multiwalled carbon nanotubes. Journal of Radioanalytical and Nuclear Chemistry, 2011, 288, 859-865.	1.5	24
16725	Effect of pH and ionic strength on U(IV) sorption to oxidized multiwalled carbon nanotubes. Journal of Radioanalytical and Nuclear Chemistry, 2011, 288, 895-901.	1.5	29
16726	Fabrication and properties of MgF ₂ composite film modified with carbon nanotubes. Journal of Sol-Gel Science and Technology, 2011, 58, 587-593.	2.4	2
16727	Responses and thermal conductivity measurements of multi-wall carbon nanotube (MWNT)/epoxy composites. Journal of Thermal Analysis and Calorimetry, 2011, 103, 533-542.	3.6	11
16728	Micromechanical analysis of fuzzy fiber reinforced composites. International Journal of Mechanics and Materials in Design, 2011, 7, 149-166.	3.0	88
16729	Study of hepatotoxicity and oxidative stress in male Swiss-Webster mice exposed to functionalized multi-walled carbon nanotubes. Molecular and Cellular Biochemistry, 2011, 358, 189-199.	3.1	61
16730	Aerosol formation of Sea-Urchin-like nanostructures of carbon nanotubes on bimetallic nanocomposite particles. Journal of Nanoparticle Research, 2011, 13, 139-146.	1.9	4
16731	Effects of the dispersion methods in Pluronic F108 on the size and the surface composition of MWCNTs and their implications in toxicology assessment. Journal of Nanoparticle Research, 2011, 13, 655-667.	1.9	26
16732	A new approach to produce amino-carbon nanotubes as plasmid transfection vector by [2+1] cycloaddition of nitrenes. Journal of Nanoparticle Research, 2011, 13, 33-38.	1.9	7

#	ARTICLE	IF	CITATIONS
16733	Dispersion of dilatation wave propagation in single-wall carbon nanotubes using nonlocal scale effects. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1229-1235.	1.9	7
16734	Microstructural investigations of zirconium oxide on core-shell structure of carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2597-2607.	1.9	12
16735	Polyacetylene nanoparticles-based preparation of polyaniline nanofibers. <i>Journal of Nanoparticle Research</i> , 2011, 13, 471-477.	1.9	4
16736	Study on the effect of the metal support (Fe-MgO and Pt-MgO) interaction in alcohol-CVD synthesis of carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1987-1994.	1.9	10
16737	Special electronic structures and quantum conduction of B/P co-doping carbon nanotubes under electric field using the first principle. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2275-2283.	1.9	11
16738	Fabrication of bovine serum albumin nanotubes through template-assisted layer by layer assembly. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1563-1571.	1.9	12
16739	Synthesis and characterization of cadmium hydroxide nanowires by arc discharge method in de-ionized water. <i>Journal of Nanoparticle Research</i> , 2011, 13, 4673-4680.	1.9	28
16740	Vibrational analysis and thermodynamic properties of C120 nanotorus: a DFT study. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6649-6659.	1.9	5
16741	The effect of surface curvature of aluminum nitride nanotubes on the adsorption of NH ₃ . <i>Structural Chemistry</i> , 2011, 22, 1261-1265.	2.0	72
16742	3D Polymorphs of boron nitride: SCC-DFTB modeling of the stability and structural, elastic, and electronic characteristics. <i>Theoretical and Experimental Chemistry</i> , 2011, 47, 155-158.	0.8	3
16743	New Single-Walled Carbon Nanotubes as Ionic Liquid Lubricant. Application to Polycarbonate Stainless Steel Sliding Contact. <i>Tribology Letters</i> , 2011, 41, 199-207.	2.6	46
16744	Small-scale effects on the buckling of quadrilateral nanoplates based on nonlocal elasticity theory using the Galerkin method. <i>Archive of Applied Mechanics</i> , 2011, 81, 1051-1062.	2.2	80
16745	Synthesis of block polyethers with various structures and their application in dispersing single-walled carbon nanotubes. <i>Colloid and Polymer Science</i> , 2011, 289, 933-942.	2.1	24
16746	Dispersion of multiwalled carbon nanotubes (MWCNTs) by ionic liquid-based Gemini pyrrolidinium surfactants in aqueous solution. <i>Colloid and Polymer Science</i> , 2011, 289, 1815-1819.	2.1	18
16747	Carbon doped boron phosphide nanotubes: A computational study. <i>Journal of Molecular Modeling</i> , 2011, 17, 89-96.	1.8	32
16748	A computational study of atomic oxygen-doped silicon carbide nanotubes. <i>Journal of Molecular Modeling</i> , 2011, 17, 527-531.	1.8	8
16749	Dimerization of miniature C ₂₀ and C ₂₈ fullerenes in nanoautoclave. <i>Journal of Molecular Modeling</i> , 2011, 17, 573-576.	1.8	15
16750	Predicting helium and neon adsorption and separation on carbon nanotubes by Monte Carlo simulation. <i>Journal of Molecular Modeling</i> , 2011, 17, 785-794.	1.8	15

#	ARTICLE	IF	CITATIONS
16751	Covalent hybridization of CNT by thymine and uracil: A computational study. Journal of Molecular Modeling, 2011, 17, 695-699.	1.8	38
16752	Simultaneous voltammetric determination of ascorbic acid and uric acid using a Nafion/multi-wall carbon nanotubes composite film-modified electrode. Journal of Solid State Electrochemistry, 2011, 15, 161-166.	2.5	20
16753	The preparation and performance of flocculent polyaniline/carbon nanotubes composite electrode material for supercapacitors. Journal of Solid State Electrochemistry, 2011, 15, 675-681.	2.5	40
16754	Simultaneous determination of levodopa, NADH, and tryptophan using carbon paste electrode modified with carbon nanotubes and ferrocenedicarboxylic acid. Journal of Solid State Electrochemistry, 2011, 15, 845-853.	2.5	39
16755	Carbon nanotube arrays supported manganese oxide and its application in electrochemical capacitors. Journal of Solid State Electrochemistry, 2011, 15, 1235-1242.	2.5	17
16756	Electrocatalytic oxidation of quinine sulfate at a multiwall carbon nanotubes-ionic liquid modified glassy carbon electrode and its electrochemical determination. Journal of Solid State Electrochemistry, 2011, 15, 1185-1192.	2.5	22
16757	Simultaneous voltammetric detection of dopamine and uric acid in the presence of high concentration of ascorbic acid using multi-walled carbon nanotubes with methylene blue composite film-modified electrode. Journal of Solid State Electrochemistry, 2011, 15, 1909-1918.	2.5	43
16758	An electrochemical investigation of novel optically active poly(amide-imide)s based on natural amino acids using multi-wall carbon nanotubes paste electrode. Journal of Solid State Electrochemistry, 2011, 15, 2053-2061.	2.5	20
16759	A third-generation hydrogen peroxide biosensor based on horseradish peroxidase cross-linked to multi-wall carbon nanotubes. Mikrochimica Acta, 2011, 172, 199-205.	5.0	28
16760	Multiwalled carbon nanotubes modified with 2-aminobenzothiazole modified for uniquely selective solid-phase extraction and determination of Pb(II) ion in water samples. Mikrochimica Acta, 2011, 172, 269-276.	5.0	43
16761	Voltammetric determination of bisphenol A in food package by a glassy carbon electrode modified with carboxylated multi-walled carbon nanotubes. Mikrochimica Acta, 2011, 172, 379-386.	5.0	80
16762	Electrodeposited nickel oxide on a film of carbon nanotubes for monitoring nitric oxide release from rat kidney and drug samples. Mikrochimica Acta, 2011, 173, 65-72.	5.0	14
16763	Solid-phase microfibers based on modified single-walled carbon nanotubes for extraction of chlorophenols and organochlorine pesticides. Mikrochimica Acta, 2011, 173, 223-229.	5.0	39
16764	Anodic stripping voltammetric determination of silver ion at a carbon paste electrode modified with carbon nanotubes. Mikrochimica Acta, 2011, 173, 79-84.	5.0	23
16765	Multilayer structured immunosensor based on a glassy carbon electrode modified with multi-wall carbon nanotubes, polythionine, and gold nanoparticles. Mikrochimica Acta, 2011, 173, 459-467.	5.0	13
16766	Disposable electrochemical immunosensor for myeloperoxidase based on the indium tin oxide electrode modified with an ionic liquid composite film containing gold nanoparticles, poly(o-phenylenediamine) and carbon nanotubes. Mikrochimica Acta, 2011, 173, 513-520.	5.0	21
16767	Surface activation of plasma-patterned carbon nanotube based DNA sensing electrodes. Mikrochimica Acta, 2011, 174, 231-238.	5.0	7
16768	Chemically bonded carbon nanotubes on modified gold substrate as novel unbreakable solid phase microextraction fiber. Mikrochimica Acta, 2011, 174, 295-301.	5.0	53

#	ARTICLE	IF	CITATIONS
16769	A biopolymer-based carbon nanotube interface integrated with a redox shuttle and a D-sorbitol dehydrogenase for robust monitoring of D-sorbitol. <i>Mikrochimica Acta</i> , 2011, 175, 21-30.	5.0	12
16770	Electrochemiluminescent sensing of dopamine using CdTe quantum dots capped with thioglycolic acid and supported with carbon nanotubes. <i>Mikrochimica Acta</i> , 2011, 175, 347-354.	5.0	26
16771	Gold nanoparticle-coated multiwall carbon nanotube-modified electrode for electrochemical determination of methyl parathion. <i>Mikrochimica Acta</i> , 2011, 175, 309-314.	5.0	59
16772	Adsorption properties of OCN radical on (6,0), (8,0), and (10,0) zigzag single-walled carbon nanotubes: a density functional study. <i>Monatshefte für Chemie</i> , 2011, 142, 1-4.	1.8	20
16773	A DFT study of N-doped AIP nanotubes. <i>Monatshefte für Chemie</i> , 2011, 142, 115-118.	1.8	9
16774	Multi-walled carbon nanotubes as electrode materials for electrochemical studies of organometallic compounds in organic solvent media. <i>Monatshefte für Chemie</i> , 2011, 142, 233-242.	1.8	21
16775	Adsorption properties of N ₂ O on (6,0), (7,0), (8,0), and Al-doped (6,0) zigzag single-walled carbon nanotubes: a density functional study. <i>Monatshefte für Chemie</i> , 2011, 142, 573-578.	1.8	16
16776	NMR parameters of SiC-doped (6,0) zigzag single-walled boron phosphide nanotubes: a density functional study. <i>Monatshefte für Chemie</i> , 2011, 142, 783-788.	1.8	11
16777	Adsorption properties of SCN ⁻ on (6,0), (7,0), (8,0), and Al-doped (6,0) zigzag single-walled carbon nanotubes: a density functional study. <i>Monatshefte für Chemie</i> , 2011, 142, 979-984.	1.8	9
16778	NMR and NQR parameters of Si-doped (6,0) zigzag single-walled boron phosphide nanotubes: a density functional study. <i>Monatshefte für Chemie</i> , 2011, 142, 1097-1104.	1.8	12
16779	Effect of defects and loading on prediction of Young's modulus of SWCNTs. <i>Acta Mechanica</i> , 2011, 216, 281-289.	2.1	22
16780	Multiscale modeling of the nonlinear response of nano-reinforced polymers. <i>Acta Mechanica</i> , 2011, 217, 1-16.	2.1	89
16781	Clamped-free double-walled carbon nanotube-based mass sensor. <i>Acta Mechanica</i> , 2011, 219, 29-43.	2.1	35
16782	Electrical conductivity and mechanical properties of multiwalled carbon nanotube-reinforced polypropylene nanocomposites. <i>Acta Mechanica</i> , 2011, 220, 289-298.	2.1	60
16783	A novel nonlinear constitutive relation for graphene and its consequence for developing closed-form expressions for Young's modulus and critical buckling strain of single-walled carbon nanotubes. <i>Acta Mechanica</i> , 2011, 222, 91-101.	2.1	15
16785	Study of the biouptake of labeled single-walled carbon nanotubes using fluorescence-based method. <i>Environmental Chemistry Letters</i> , 2011, 9, 235-241.	16.2	14
16786	Ordered Nanoporous Carbon-Based SPME and Determination by GC. <i>Chromatographia</i> , 2011, 73, 379-384.	1.3	18
16787	Vibration of quadrilateral embedded multilayered graphene sheets based on nonlocal continuum models using the Galerkin method. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2011, 27, 967-976.	3.4	16

#	ARTICLE	IF	CITATIONS
16788	Influences of Acid-Treated Multiwalled Carbon Nanotubes on Fibroblasts: Proliferation, Adhesion, Migration, and Wound Healing. <i>Annals of Biomedical Engineering</i> , 2011, 39, 414-426.	2.5	46
16789	Stability and electronic states of NC3 nanoribbons. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 55-60.	2.3	5
16790	Temperature dependent photoluminescence properties of needle-like ZnO nanostructures deposited on carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 463-468.	2.3	9
16791	Causes of energy destabilization in carbon nanotubes with topological defects. <i>Theoretical Chemistry Accounts</i> , 2011, 128, 445-456.	1.4	6
16792	Influence of temperature, pressure, nanotube's diameter and intertube distance on methane adsorption in homogeneous armchair open-ended SWCNT triangular arrays. <i>Theoretical Chemistry Accounts</i> , 2011, 128, 231-240.	1.4	31
16793	Negative rectification and negative differential resistance in nanoscale single-walled carbon nanotube p-n junctions. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 353-359.	1.4	10
16794	Facial dissociations of water molecules on the outside and inside of armchair single-walled silicon nanotubes: theoretical predictions from multilayer quantum chemical calculations. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 463-473.	1.4	4
16795	Calculated relative yields for Sc2S@C82 and Y2S@C82. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 549-554.	1.4	14
16796	Recent advances in SALDI-MS techniques and their chemical and bioanalytical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 2597-2622.	3.7	193
16797	Analytical potential of hybrid nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 43-54.	3.7	60
16798	Multi-walled carbon nanotubes's dispersive solid-phase extraction combined with nano-liquid chromatography for the analysis of pesticides in water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1113-1123.	3.7	81
16799	Development of an amperometric sulfite biosensor based on a gold nanoparticles/chitosan/multiwalled carbon nanotubes/polyaniline-modified gold electrode. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 2599-2608.	3.7	55
16800	Multi-wall carbon nanotube aqueous dispersion monitoring by using A4F-UV-MALS. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3345-3353.	3.7	16
16801	Reversible immobilization of glucoamylase onto magnetic carbon nanotubes functionalized with dendrimer. <i>Applied Microbiology and Biotechnology</i> , 2011, 91, 591-601.	3.6	40
16802	Electrocatalytic voltammetric determination of guanine at a cobalt phthalocyanine modified carbon nanotubes paste electrode. <i>Journal of Electroanalytical Chemistry</i> , 2011, 654, 8-12.	3.8	47
16803	Facile synthesis of Ag nanoparticles supported on MWCNTs with favorable stability and their bactericidal properties. <i>Journal of Hazardous Materials</i> , 2011, 187, 466-472.	12.4	38
16804	Continuous production of carbon nanotubes " A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 367-376.	5.8	80
16805	How do carbon nanotubes serve as carriers for gemcitabine transport in a drug delivery system?. <i>Journal of Molecular Graphics and Modelling</i> , 2011, 29, 591-596.	2.4	125

#	ARTICLE	IF	CITATIONS
16806	Thermal-mechanical optimization of a novel nanocomposite-film typed flip chip technology. <i>Microelectronics Reliability</i> , 2011, 51, 826-836.	1.7	8
16807	Mechanical properties and oxidation resistance of γ -alumina/multi-walled carbon nanotube composite ceramics. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 1596-1601.	5.6	30
16808	Roles of Ni/CNTs hybridization on rheological and mechanical properties of CNTs/epoxy nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 4953-4957.	5.6	18
16809	Low-energy electronic structures of nanotube-nanoribbon hybrid systems. <i>Computer Physics Communications</i> , 2011, 182, 68-70.	7.5	4
16810	Electronic transport properties of ascorbic acid and nicotinamide adsorbed on single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2011, 506, 233-238.	2.6	13
16811	Effect of different reductants for palladium loading on hydrogen storage capacity of double-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9032-9036.	7.1	15
16812	Adsorption behavior of epirubicin hydrochloride on carboxylated carbon nanotubes. <i>International Journal of Pharmaceutics</i> , 2011, 405, 153-161.	5.2	102
16813	Homogenization of aligned α -fuzzy fiber-composites. <i>International Journal of Solids and Structures</i> , 2011, 48, 2668-2680.	2.7	46
16814	Two routes of forming nanorods on the base of nanoparticles. <i>Journal of Crystal Growth</i> , 2011, 314, 227-230.	1.5	2
16815	Highly sensitive detection of silybin based on adsorptive stripping analysis at single-sided heated screen-printed carbon electrodes modified with multi-walled carbon nanotubes with direct current heating. <i>Analytica Chimica Acta</i> , 2011, 687, 43-49.	5.4	20
16816	Enhanced electrochemiluminescence from luminol at multi-walled carbon nanotubes decorated with palladium nanoparticles: A novel route for the fabrication of an oxygen sensor and a glucose biosensor. <i>Analytica Chimica Acta</i> , 2011, 697, 90-97.	5.4	75
16817	Can we grow buildings? Concepts and requirements for automated nano- to meter-scale building. <i>Advanced Engineering Informatics</i> , 2011, 25, 390-398.	8.0	27
16818	Electrocatalytic determination of sumatriptan on the surface of carbon-paste electrode modified with a composite of cobalt/Schiff-base complex and carbon nanotube. <i>Bioelectrochemistry</i> , 2011, 81, 81-85.	4.6	47
16819	Carbon nanotubes as adsorbents in environmental pollution management: A review. <i>Chemical Engineering Journal</i> , 2011, 170, 395-410.	12.7	925
16820	Equilibrium and kinetic studies of methyl orange adsorption on multiwalled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2011, 170, 82-89.	12.7	415
16821	The effect of interfacial bonding of calcium phosphate cements containing bio-mineralized multi-walled carbon nanotube and bovine serum albumin on the mechanical properties of calcium phosphate cements. <i>Ceramics International</i> , 2011, 37, 2429-2435.	4.8	18
16822	Direct electrochemistry and voltammetric determination of midecamycin at a multi-walled carbon nanotube coated gold electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 247-250.	5.0	16
16823	Scattering cross section of metallic two-walled carbon nanotubes. <i>Optics Communications</i> , 2011, 284, 2629-2632.	2.1	8

#	ARTICLE	IF	CITATIONS
16824	Rayleigh-Ritz axial buckling analysis of single-walled carbon nanotubes with different boundary conditions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1255-1263.	2.1	105
16825	Carbon- and silicon-capped silicon carbide nanotubes: An ab initio study. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1817-1823.	2.1	47
16826	Vibration spectra of fullerene family. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2166-2170.	2.1	33
16827	Detection of gas atoms via vibration of graphenes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2411-2415.	2.1	90
16828	Vibrational modes and resonant Raman spectra of new B2C nanoribbons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2733-2737.	2.1	0
16829	Microstructural evolution of oxides and semiconductor thin films. <i>Progress in Materials Science</i> , 2011, 56, 901-1029.	32.8	64
16830	Mixing of carbon nanotubes (CNTs) and aluminum powder for powder metallurgy use. <i>Powder Technology</i> , 2011, 208, 42-48.	4.2	147
16831	Noble metal dispersed multiwalled carbon nanotubes immobilized ss-DNA for selective detection of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2011, 155, 679-686.	7.8	28
16832	The influence of NH ₃ -attaching on the NMR parameters in the zigzag BN nanotube. <i>Superlattices and Microstructures</i> , 2011, 49, 169-175.	3.1	8
16833	Preparation and mineralization of three-dimensional carbon nanofibers from bacterial cellulose as potential scaffolds for bone tissue engineering. <i>Surface and Coatings Technology</i> , 2011, 205, 2938-2946.	4.8	55
16834	Functionally graded carbon nanotubes/hydroxyapatite composite coating by laser cladding. <i>Surface and Coatings Technology</i> , 2011, 205, 4380-4387.	4.8	47
16835	Large Carbon Cluster Anions Generated by Laser Ablation of Graphene. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 2033-41.	2.8	21
16836	Growth of Vertically Aligned Carbon Nanotubes by DCPECVD System and the Effects of C ₂ H ₂ Concentration and Plasma Current on the Growth Behavior of CNTs. <i>Arabian Journal for Science and Engineering</i> , 2011, 36, 97-103.	1.1	3
16837	The synthesis of carbon nanotubes (CNTs) by catalytic CVD using a Fe/Co-supported zeolite template. <i>Electronic Materials Letters</i> , 2011, 7, 139-144.	2.2	20
16838	Transparent conducting film: Effect of mechanical stretching to optical and electrical properties of carbon nanotube mat. <i>Bulletin of Materials Science</i> , 2011, 34, 615-622.	1.7	8
16839	Dynamic characteristics of multi-walled carbon nanotubes under a transverse magnetic field. <i>Bulletin of Materials Science</i> , 2011, 34, 45-52.	1.7	18
16840	Facile synthesis of poly(p-phenylenediamine)/MWCNT nanocomposites and characterization for investigation of structural effects of carbon nanotubes. <i>Bulletin of Materials Science</i> , 2011, 34, 37-43.	1.7	51
16841	Synthesis of β -Al ₂ O ₃ nanowires through a boehmite precursor route. <i>Bulletin of Materials Science</i> , 2011, 34, 239-244.	1.7	27

#	ARTICLE	IF	CITATIONS
16842	Transparent conducting film: Effect of vacuum filtration of carbon nanotube suspended in oleum. Bulletin of Materials Science, 2011, 34, 623-628.	1.7	5
16843	Nonlocal beam models for buckling of nanobeams using state-space method regarding different boundary conditions. Journal of Mechanical Science and Technology, 2011, 25, 2365-2375.	1.5	59
16844	Pasternak foundation effect on the axial and torsional waves propagation in embedded DWCNTs using nonlocal elasticity cylindrical shell theory. Journal of Mechanical Science and Technology, 2011, 25, 2385-2391.	1.5	24
16845	Cell growth inhibition and apoptosis by SDS-solubilized single-walled carbon nanotubes in normal rat kidney epithelial cells. Archives of Pharmacal Research, 2011, 34, 661-669.	6.3	35
16846	Ultra-thin double-walled carbon nanotubes: A novel nanocontainer for preparing atomic wires. Nano Research, 2011, 4, 759-766.	10.4	54
16847	Ni ₃ Si ₂ O ₅ (OH) ₄ multi-walled nanotubes with tunable magnetic properties and their application as anode materials for lithium batteries. Nano Research, 2011, 4, 882-890.	10.4	131
16848	Growth optimization of double-walled carbon nanotubes yielding precisely designed structures. Metals and Materials International, 2011, 17, 309-314.	3.4	4
16849	Preparation of cotton-shaped CNT/PANI composite and its electrochemical performances. Rare Metals, 2011, 30, 94-97.	7.1	30
16850	Enhancement in the photo-to-current efficiency by fabrication of CNT-BiVO ₄ composites. Rare Metals, 2011, 30, 199-202.	7.1	7
16851	Fabrication, microstructures, and properties of copper matrix composites reinforced by molybdenum-coated carbon nanotubes. Rare Metals, 2011, 30, 401-407.	7.1	33
16852	Friction and wear properties of copper matrix composites reinforced by tungsten-coated carbon nanotubes. Rare Metals, 2011, 30, 657-663.	7.1	16
16853	Applications of nanomaterials in the different fields of photosciences. Indian Journal of Physics, 2011, 85, 1229-1245.	1.8	90
16854	High yield formation of carbon nanotubes using arc discharge assisted with a nitrogen jet. Transactions of the Indian Institute of Metals, 2011, 64, 137-142.	1.5	1
16855	Nitrogen-doped carbon nanotubes as a metal catalyst support. Applied Nanoscience (Switzerland), 2011, 1, 67-77.	3.1	142
16856	High yield synthesis of carbon nanofibers in an environmental friendly route. Applied Nanoscience (Switzerland), 2011, 1, 103-108.	3.1	10
16857	Enhanced encapsulation of metoprolol tartrate with carbon nanotubes as adsorbent. Applied Nanoscience (Switzerland), 2011, 1, 219-230.	3.1	13
16858	Graphene-based electrochemical biosensor for pathogenic virus detection. Biochip Journal, 2011, 5, 123-128.	4.9	97
16859	Electrochemical grafting of poly(2,5-dimethoxy aniline) onto multiwalled carbon nanotubes nanocomposite modified electrode and electrocatalytic oxidation of ascorbic acid. Macromolecular Research, 2011, 19, 764-769.	2.4	19

#	ARTICLE	IF	CITATIONS
16860	Real-time detection of the interaction between anticancer drug daunorubicin and cancer cells by Au-MCNT nanocomposites modified electrodes. Science China Chemistry, 2011, 54, 812-815.	8.2	7
16861	Flame retarded polymer nanocomposites: Development, trend and future perspective. Science China Chemistry, 2011, 54, 302-313.	8.2	75
16862	Dendrimer/inorganic nanomaterial composites: Tailoring preparation, properties, functions, and applications of inorganic nanomaterials with dendritic architectures. Science China Chemistry, 2011, 54, 286-301.	8.2	16
16863	Imitating trumpet shells: Möbius container molecules. Science China Chemistry, 2011, 54, 454-460.	8.2	0
16864	One-step synthesis of fluorescent hydroxyls-coated carbon dots with hydrothermal reaction and its application to optical sensing of metal ions. Science China Chemistry, 2011, 54, 1342-1347.	8.2	122
16865	One-step preparation of carbon nanotubes with nickel as the core. Science China Technological Sciences, 2011, 54, 76-80.	4.0	3
16866	Layer-by-layer assembly carbon nanotubes thin film based gas sensors for ammonia detection. Science China Information Sciences, 2011, 54, 2680-2686.	4.3	12
16867	One-dimensional iron oxides nanostructures. Science China: Physics, Mechanics and Astronomy, 2011, 54, 1190-1199.	5.1	15
16868	Improvement in the intense pulsed emission stability of grown CNT films via an electroless plated Ni layer. Science Bulletin, 2011, 56, 2379-2382.	1.7	3
16869	Synthesis and magnetic properties of Fe ₃ O ₄ /helical carbon nanofiber nanocomposites from the catalytic pyrolysis of ferrocene. Science Bulletin, 2011, 56, 3199.	1.7	3
16870	Quantum simulation of molecular interaction and dynamics at surfaces. Frontiers of Physics, 2011, 6, 294-308.	5.0	10
16871	Challenges in hydrogen adsorptions: from physisorption to chemisorption. Frontiers of Physics, 2011, 6, 142-150.	5.0	61
16872	Recent progress of computational investigation on anode materials in Li ion batteries. Frontiers of Physics, 2011, 6, 197-203.	5.0	16
16873	Wear Behavior of the Lead-Free Tin Bronze Matrix Composite Reinforced by Carbon Nanotubes. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 3858-3862.	2.2	6
16874	Salt-assisted synthesis of tree-like oriented SnO ₂ nanodendrite. Frontiers of Chemical Science and Engineering, 2011, 5, 227-230.	4.4	1
16875	Effect of substrate temperature on aligned high-density carbon nanotubes deposited by RF-PECVD. Optoelectronics Letters, 2011, 7, 85-87.	0.8	6
16876	Mercury(II) removal from aqueous solutions by adsorption on multi-walled carbon nanotubes. Korean Journal of Chemical Engineering, 2011, 28, 1029-1034.	2.7	66
16877	Synthesis of multi-walled carbon nanotube/polyhedral oligomeric silsesquioxane nanohybrid by utilizing click chemistry. Nanoscale Research Letters, 2011, 6, 122.	5.7	59

#	ARTICLE	IF	CITATIONS
16878	Inorganic nanotubes reinforced polyvinylidene fluoride composites as low-cost electromagnetic interference shielding materials. <i>Nanoscale Research Letters</i> , 2011, 6, 137.	5.7	102
16879	Tuning the electronic properties of boron nitride nanotube by mechanical uni-axial deformation: a DFT study. <i>Nanoscale Research Letters</i> , 2011, 6, 160.	5.7	46
16880	Field emission enhancement of Au-Si nano-particle-decorated silicon nanowires. <i>Nanoscale Research Letters</i> , 2011, 6, 176.	5.7	28
16881	Electrorheology of nanofiber suspensions. <i>Nanoscale Research Letters</i> , 2011, 6, 256.	5.7	71
16882	Atomic scale investigation of silicon nanowires and nanoclusters. <i>Nanoscale Research Letters</i> , 2011, 6, 271.	5.7	12
16883	Synthesis of carbon nanotubes with and without catalyst particles. <i>Nanoscale Research Letters</i> , 2011, 6, 303.	5.7	81
16884	Improved field emission performance of carbon nanotube by introducing copper metallic particles. <i>Nanoscale Research Letters</i> , 2011, 6, 537.	5.7	33
16885	A one-dimensional extremely covalent material: monatomic carbon linear chain. <i>Nanoscale Research Letters</i> , 2011, 6, 577.	5.7	24
16886	A study on the effect of different chemical routes on functionalization of MWCNTs by various groups (-COOH, -SO ₃ H, -PO ₃ H ₂). <i>Nanoscale Research Letters</i> , 2011, 6, 583.	5.7	12
16887	Two novel hierarchical homogeneous nanoarchitectures of TiO ₂ nanorods branched and P25-coated TiO ₂ nanotube arrays and their photocurrent performances. <i>Nanoscale Research Letters</i> , 2011, 6, 91.	5.7	34
16888	Scalable synthesis of aligned carbon nanotubes bundles using green natural precursor: neem oil. <i>Nanoscale Research Letters</i> , 2011, 6, 92.	5.7	65
16889	Crystallization behavior and thermal property of biodegradable poly(3-hydroxybutyrate)/multi-walled carbon nanotubes nanocomposite. <i>Polymers for Advanced Technologies</i> , 2011, 22, 538-544.	3.2	42
16890	Influence of low multi-walled carbon nanotubes loadings on the crystallization behavior of biodegradable poly(butylene succinate) nanocomposites. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1642-1649.	3.2	22
16891	Preparation and properties of polysiloxane grafting multi-walled carbon nanotubes/polycarbonate nanocomposites. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1738-1746.	3.2	16
16892	Development of novel synthetic method of carbon nanotubes from electrospun polystyrene fibers by using microwave heating. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2653-2658.	3.2	7
16893	Poly(butylene terephthalate)-functionalized MWNTs by <i>in situ</i> ring-opening polymerization of cyclic butylene terephthalate oligomers. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1466-1470.	3.2	9
16894	Functionalization effect on physico-mechanical properties of multi-walled carbon nanotubes/epoxy composites. <i>Polymers for Advanced Technologies</i> , 2011, 22, 48-59.	3.2	27
16895	Development of conductive network of multiwalled carbon nanotubes in polycarbonate melt. <i>Polymer Composites</i> , 2011, 32, 97-102.	4.6	33

#	ARTICLE	IF	CITATIONS
16896	Phenomenological model of interfacial stress transfer in carbon nanotube reinforced composites with van der Waals effects. <i>Polymer Composites</i> , 2011, 32, 1069-1076.	4.6	6
16897	Structure characterization and DC conductivity of honeycomb patterned poly(<i>N</i> -vinylcarbazole)/multiwalled carbon nanotube composite film via pretreatment at high temperature. <i>Polymer Composites</i> , 2011, 32, 1772-1780.	4.6	6
16898	Multiwalled carbon nanotube/polysulfone composites: Using the Hildebrand solubility parameter to predict dispersion. <i>Polymer Composites</i> , 2011, 32, 1895-1903.	4.6	14
16899	Effects of carbon nanotubes on glass transition and crystallization behaviors in immiscible polystyrene/polypropylene blends. <i>Polymer Engineering and Science</i> , 2011, 51, 585-591.	3.1	12
16900	Ultradrawing properties of ultra-high molecular weight polyethylene/functionalized carbon nanotube fibers. <i>Polymer Engineering and Science</i> , 2011, 51, 687-696.	3.1	18
16901	Properties of microinjection molding of polymer multiwalled carbon nanotube conducting composites. <i>Polymer Engineering and Science</i> , 2011, 51, 992-1003.	3.1	50
16902	Crystallization behavior of biodegradable poly(L-lactide)/multiwalled carbon nanotubes nanocomposites from the amorphous state. <i>Polymer Engineering and Science</i> , 2011, 51, 1564-1573.	3.1	45
16903	Electrical conductivity and fracture behavior of epoxy/polyamide-12/multiwalled carbon nanotube composites. <i>Polymer Engineering and Science</i> , 2011, 51, 2245-2253.	3.1	45
16904	Ultradrawing properties of ultrahigh-molecular weight polyethylene/functionalized carbon nanotube fibers and transmittance properties of their gel solutions. <i>Polymer Engineering and Science</i> , 2011, 51, 2552-2563.	3.1	17
16905	Carbon nanotube-coupled cell adhesion peptides are non-immunogenic: a promising step toward new biomedical devices. <i>Journal of Peptide Science</i> , 2011, 17, 139-142.	1.4	18
16906	Ar ion bombardment modification of Pd-Au/MWCNTs catalyst surfaces studied by electron spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1791-1795.	1.8	5
16907	Mössbauer spectroscopy analysis of iron compounds in carboxylated multiwall carbon nanotubes and their ammonium salt. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1783-1786.	1.8	12
16908	Studies of Fe-binding sites within multiwall carbon nanotubes using Mössbauer spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1796-1800.	1.8	2
16909	First-principles study on structural, electronic and magnetic properties of iron nanowire encapsulated in carbon nanotube. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 97-103.	1.8	8
16910	Multi-level composite nanostructures based on the arrays of vertically aligned carbon nanotubes and planar graphite layers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 453-458.	1.8	13
16911	Morphology control of a rapidly grown vertically aligned carbon nanotube forest for fiber spinning. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2332-2334.	1.8	13
16912	Nanomanipulation of 2-inch wafer fabrication of vertically aligned carbon nanotube arrays by nanoimprint lithography. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2352-2356.	1.8	2
16913	Theoretical study on the interaction between C ₃ molecular wires and nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 1464-1470.	1.5	0

#	ARTICLE	IF	CITATIONS
16914	High resolution X-ray absorption on metallicity selected C ₆₀ peapods, single-walled and double walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2011, 248, 2544-2547.	1.5	1
16915	The effect of alkaline doped catalysts on the CVD synthesis of carbon nanotubes. Physica Status Solidi (B): Basic Research, 2011, 248, 2471-2474.	1.5	1
16916	Controllable synthesis and characterization of alumina/MWNT nanocomposites. Physica Status Solidi (B): Basic Research, 2011, 248, 2480-2483.	1.5	5
16917	Effect of SOCl ₂ doping on electronic properties of single-walled carbon nanotube thin film transistors. Physica Status Solidi (B): Basic Research, 2011, 248, 2668-2671.	1.5	11
16918	Covalent surface functionalization of multiwalled carbon nanotubes through bergman cyclization of enediyne-containing dendrimers. Journal of Polymer Science Part A, 2011, 49, 3951-3959.	2.3	8
16919	Functionalization of graphene oxide towards thermo-sensitive nanocomposites via moderate <i>in situ</i> SETRP. Journal of Polymer Science Part A, 2011, 49, 4747-4755.	2.3	75
16920	Conducting polymers: Efficient thermoelectric materials. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 467-475.	2.1	310
16921	Synthesis, characterization and properties of multifunctional poly(arylene ether nitriles) (PEN)/CNTs/Fe ₃ O ₄ nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 611-619.	2.1	17
16922	Separation of single-walled carbon nanotubes with aromatic group functionalized polymethacrylates and building blocks contribution to the enrichment. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 949-960.	2.1	3
16923	Synthesis and characterization of water-dispersible, superparamagnetic single-wall carbon nanotubes decorated with iron oxide nanoparticles and well-defined chelating diblock copolymers. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 1389-1396.	2.1	2
16924	Plasma Induced Multiwalled Carbon Nanotube Grafted with 2-Vinylpyridine for Preconcentration of Pb(II) from Aqueous Solutions. Plasma Processes and Polymers, 2011, 8, 589-598.	3.0	41
16925	Preparation and orientation behavior of multi-walled carbon nanotubes grafted with a side-chain azobenzene liquid crystalline polymer. Polymer International, 2011, 60, 93-101.	3.1	12
16926	Effect of carbon nanofiber (CNF) silanization on the properties of CNF/epoxy nanocomposites. Polymer International, 2011, 60, 1574-1580.	3.1	33
16927	Surface studies of halloysite nanotubes by XPS and ToF-SIMS. Surface and Interface Analysis, 2011, 43, 795-802.	1.8	28
16928	Advanced Optical Imaging Reveals the Dependence of Particle Geometry on Interactions Between CdSe Quantum Dots and Immune Cells. Small, 2011, 7, 334-341.	10.0	39
16929	Tube-in-Tube TiO ₂ Nanotubes with Porous Walls: Fabrication, Formation Mechanism, and Photocatalytic Properties. Small, 2011, 7, 445-449.	10.0	101
16930	Chemically Functionalized Surface Patterning. Small, 2011, 7, 2273-2289.	10.0	83
16931	Graphene Oxide as a Carbon Source for Controlled Growth of Carbon Nanowires. Small, 2011, 7, 1199-1202.	10.0	75

#	ARTICLE	IF	CITATIONS
16932	Use of a Chondroitin Sulfate Isomer as an Effective and Removable Dispersant of Single-Walled Carbon Nanotubes. Small, 2011, 7, 2758-2768.	10.0	18
16933	International amphibian micronucleus standardized procedure (ISO 21427-1) for <i>in vivo</i> evaluation of double-walled carbon nanotubes toxicity and genotoxicity in water. Environmental Toxicology, 2011, 26, 136-145.	4.0	51
16934	The effects of atom pyramidalization and square distribution on the stability of $F_{4/6}$ BN polyhedrons. International Journal of Quantum Chemistry, 2011, 111, 983-990.	2.0	0
16935	Carbon materials for drug delivery & cancer therapy. Materials Today, 2011, 14, 316-323.	14.2	527
16936	Hydrogen storage in nanotubes & nanostructures. Materials Today, 2011, 14, 324-328.	14.2	131
16937	Liquid sensing: smart polymer/CNT composites. Materials Today, 2011, 14, 340-345.	14.2	110
16938	Characterization of carbon nanotube filters and other carbonaceous materials by Raman spectroscopy-II: study on dispersion and disorder parameters. Journal of Raman Spectroscopy, 2011, 42, 294-302.	2.5	24
16939	Evaluation of crystalline perfection degree of multi-walled carbon nanotubes: correlations between thermal kinetic analysis and micro-Raman spectroscopy. Journal of Raman Spectroscopy, 2011, 42, 593-602.	2.5	80
16940	Incorporation of carbon nanotubes in a silica HPLC column to enhance the chromatographic separation of peptides: Theoretical and practical aspects. Journal of Separation Science, 2011, 34, 1221-1227.	2.5	72
16941	Determination of some organophosphorus pesticides in water and watermelon samples by microextraction prior to high-performance liquid chromatography. Journal of Separation Science, 2011, 34, 3231-3239.	2.5	35
16942	DFT calculation of structures and NMR chemical shifts of simple models of small diameter zigzag single wall carbon nanotubes (SWCNTs). Magnetic Resonance in Chemistry, 2011, 49, 549-557.	1.9	21
16943	Semiconducting Single-Walled Carbon Nanotubes as Radical Photoinitiators. Macromolecular Chemistry and Physics, 2011, 212, 1469-1473.	2.2	12
16944	Self-Assembled Single-Crystal Polyaniline Microplates and Their Anisotropic Electrical Transport Property. Macromolecular Rapid Communications, 2011, 32, 1640-1644.	3.9	21
16945	Is It Worth the Effort to Reinforce Polymers With Carbon Nanotubes?. Macromolecular Theory and Simulations, 2011, 20, 350-362.	1.4	52
16946	Microstructure and incubation processes in composite liquid crystalline material (5CB) filled with multi walled carbon nanotubes. Materialwissenschaft Und Werkstofftechnik, 2011, 42, 5-14.	0.9	31
16947	Photo-reduction and adsorption in aqueous Cr(VI) solution by titanium dioxide, carbon nanotubes and their composite. Journal of Chemical Technology and Biotechnology, 2011, 86, 949-956.	3.2	22
16948	Fabrication of Functionally Graded Carbon Nanotube-Reinforced Aluminum Matrix Composite. Advanced Engineering Materials, 2011, 13, 325-329.	3.5	161
16949	Microstructure and Properties of Spark Plasma Sintered Carbon Nanotube Reinforced Aluminum Matrix Composites. Advanced Engineering Materials, 2011, 13, 1128-1134.	3.5	26

#	ARTICLE	IF	CITATIONS
16950	Tailored Assembly of Carbon Nanotubes and Graphene. Advanced Functional Materials, 2011, 21, 1338-1354.	14.9	207
16951	Nanostructured TiO ₂ and Its Application in Lithium-Ion Storage. Advanced Functional Materials, 2011, 21, 3231-3241.	14.9	154
16952	Array of Single-Walled Carbon Nanotube Intrajunction Devices Fabricated via Type Conversion by Partial Coating with 2'-Nicotinamide Adenine Dinucleotide. Advanced Functional Materials, 2011, 21, 2515-2521.	14.9	8
16953	Current-Induced Restructuring and Chemical Modification of N-Doped Multi-Walled Carbon Nanotubes. Advanced Functional Materials, 2011, 21, 3933-3937.	14.9	10
16954	High-Performance Integrated ZnO Nanowire UV Sensors on Rigid and Flexible Substrates. Advanced Functional Materials, 2011, 21, 4464-4469.	14.9	293
16955	Strategies for Post-Synthesis Alignment and Immobilization of Carbon Nanotubes. Advanced Materials, 2011, 23, 953-970.	21.0	40
16956	ZnS Nanostructure Arrays: A Developing Material Star. Advanced Materials, 2011, 23, 585-598.	21.0	296
16957	Bionanoelectronics. Advanced Materials, 2011, 23, 807-820.	21.0	118
16958	The Potential of Perylene Bisimide Derivatives for the Solubilization of Carbon Nanotubes and Graphene. Advanced Materials, 2011, 23, 2588-2601.	21.0	92
16959	Colorimetric Biosensing Using Smart Materials. Advanced Materials, 2011, 23, 4215-4236.	21.0	594
16960	Progress in Modeling Graphene: The Novel Features of this Material. Advanced Materials, 2011, 23, 5324-5326.	21.0	3
16961	Carbon Nanomaterials for Dye-Sensitized Solar Cell Applications: A Bright Future. Advanced Energy Materials, 2011, 1, 472-485.	19.5	196
16967	Photochemically Controlled Supramolecular Curdlan/Single-Walled Carbon Nanotube Composite Gel: Preparation of Molecular Distaff by Cyclodextrin Modified Curdlan and Phase Transition Control. European Journal of Organic Chemistry, 2011, 2011, 2801-2806.	2.4	25
16968	Electrocatalytic Oxidation of NADH on Functionalized Graphene Modified Graphite Electrode. Electroanalysis, 2011, 23, 842-849.	2.9	24
16969	A New Indirect Electrochemical Method for Determination of Ozone in Water Using Multiwalled Carbon Nanotubes. Electroanalysis, 2011, 23, 1512-1517.	2.9	17
16970	Adsorption of Glucose Oxidase to 3D Scaffolds of Carbon Nanotubes: Analytical Applications. Electroanalysis, 2011, 23, 1462-1469.	2.9	41
16971	A Glassy Carbon Electrode Modified with Glucose Oxidase and MWCNT-Palladium Nanoparticles for the Determination of Glucose. Electroanalysis, 2011, 23, 2103-2108.	2.9	9
16972	Glassy Carbon Electrode Modified with Functionalized Carbon Nanotubes Within a Poly(allylamine) Tj ETQq1 1 0.784314 rgBT /Overlock 2526-2533.	2.9	25

#	ARTICLE	IF	CITATIONS
16973	A Biosensor Based on Polyanilineâ€Carbon Nanotube Coreâ€Shell for Electrochemical Detection of Pesticides. <i>Electroanalysis</i> , 2011, 23, 2586-2593.	2.9	37
16974	Application of a Carbonâ€Paste Electrode Modified with 2,7â€Bis(ferrocenyl ethyl)fluorenâ€9â€one and Carbon Nanotubes for Voltammetric Determination of Levodopa in the Presence of Uric Acid and Folic Acid. <i>Electroanalysis</i> , 2011, 23, 1934-1940.	2.9	98
16975	Electrochemical Screening of Biomarkers in Chemotype Mexican Oregano Oils on Singleâ€Walled Carbon Nanotubes Screenâ€Printed Electrodes. <i>Electroanalysis</i> , 2011, 23, 2212-2216.	2.9	19
16976	Application of Glassy Carbon Electrode Modified with a Bilayer of Multiwalled Carbon Nanotube and Polypyrrole Doped with Nitrazine Yellow for Voltammetric Determination of Naltrexone. <i>Electroanalysis</i> , 2011, 23, 2925-2934.	2.9	15
16977	Nanoparticleâ€based pseudostationary phases in CEC: A breakthrough in protein analysis?. <i>Electrophoresis</i> , 2011, 32, 1141-1147.	2.4	30
16978	The synergistic performance of multiwalled carbon nanotubes and sepiolite nanoclays as flame retardants for unsaturated polyester. <i>Fire and Materials</i> , 2011, 35, 157-169.	2.0	27
16979	Durability of Polymer Electrolyte Membrane Fuel Cell with Pt/CNTs Catalysts in Cell Reversal Conditions by Hydrogen Starvation. <i>Fuel Cells</i> , 2011, 11, 866-874.	2.4	13
16980	Covalent and Nonâ€covalent Chemical Modification of Multiâ€walled Carbon Nanotubes with Tetraâ€(4â€hydroxyphenyl)porphyrin and Its Complexes. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1901-1905.	4.9	5
16981	Sensitive Voltammetric Detection of Trace Heavy Metals in Real Water Using Multi-Wall Carbon Nanotubes/Nafion Composite Film Electrode. <i>Chinese Journal of Chemistry</i> , 2011, 29, 805-812.	4.9	28
16982	Preparation of Hydroxypropylâ€cyclodextrin Crossâ€linked Multiâ€walled Carbon Nanotubes and Their Application in Enantioseparation of Clenbuterol. <i>Chinese Journal of Chemistry</i> , 2011, 29, 893-897.	4.9	31
16983	Inactivation Efficiency of Bioaerosols Using Carbon Nanotube Plasma. <i>Clean - Soil, Air, Water</i> , 2011, 39, 201-205.	1.1	14
16984	Selective Separation/Preconcentration of Silver Ion in Water by Multiwalled Carbon Nanotubes Microcolumn as a Sorbent. <i>Clean - Soil, Air, Water</i> , 2011, 39, 1081-1086.	1.1	36
16985	Cellular uptake and imaging studies of gadoliniumâ€loaded singleâ€walled carbon nanotubes as MRI contrast agents. <i>Contrast Media and Molecular Imaging</i> , 2011, 6, 93-99.	0.8	32
16986	Density Gradient Ultracentrifugation on Carbon Nanotubes According to Structural Integrity as a Foundation for an Absolute Purity Evaluation. <i>ChemPhysChem</i> , 2011, 12, 2576-2580.	2.1	12
16987	Diameterâ€Sorted SWCNTâ€Porphyrin and SWCNTâ€Phthalocyanine Conjugates for Lightâ€Energy Harvesting. <i>ChemPhysChem</i> , 2011, 12, 2266-2273.	2.1	48
16988	Nanostructured Carbonâ€Metal Oxide Hybrids as Amphiphilic Emulsion Catalysts. <i>ChemSusChem</i> , 2011, 4, 964-974.	6.8	49
16989	A Quantitative Electron Tomography Study of Ruthenium Particles on the Interior and Exterior Surfaces of Carbon Nanotubes. <i>ChemSusChem</i> , 2011, 4, 957-963.	6.8	28
16990	A Brief Summary of Carbon Nanotubes Science and Technology: A Health and Safety Perspective. <i>ChemSusChem</i> , 2011, 4, 905-911.	6.8	37

#	ARTICLE	IF	CITATIONS
16991	Recent Progress on the Growth Mechanism of Carbon Nanotubes: A Review. ChemSusChem, 2011, 4, 824-847.	6.8	331
16992	Carbon Nanotube Mass Production: Principles and Processes. ChemSusChem, 2011, 4, 864-889.	6.8	329
16993	20 Years of Carbon Nanotubes. ChemSusChem, 2011, 4, 811-813.	6.8	24
16994	<i>In vitro</i> evaluation of 45S5 Bioglass®-derived glass-ceramic scaffolds coated with carbon nanotubes. Journal of Biomedical Materials Research - Part A, 2011, 99A, 435-444.	4.0	40
16995	Biomedical nanocomposites of poly(lactic acid) and calcium phosphate hybridized with modified carbon nanotubes for hard tissue implants. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2011, 98B, 246-254.	3.4	43
16996	On the applicability of cluster models to study the chemical reactivity of carbon nanotubes. Journal of Computational Chemistry, 2011, 32, 2397-2403.	3.3	6
16997	Functionalization of multiwalled carbon nanotubes with poly(ε-caprolactone) using click chemistry. Journal of Applied Polymer Science, 2011, 119, 31-37.	2.6	23
16998	Characterization and electrical conductivity of poly(ethylene glycol)/polyacrylonitrile/multiwalled carbon nanotube composites. Journal of Applied Polymer Science, 2011, 119, 142-147.	2.6	5
16999	Synthesis and properties of poly(methyl methacrylate)/carbon nanotube composites covalently integrated through <i>in situ</i> radical polymerization. Journal of Applied Polymer Science, 2011, 119, 452-459.	2.6	9
17000	Shear and extensional rheology and flow-induced orientation of carbon nanofiber/polystyrene melt composites. Journal of Applied Polymer Science, 2011, 119, 1940-1951.	2.6	9
17001	The effect of silica nanoparticles and carbon nanotubes on the toughness of a thermosetting epoxy polymer. Journal of Applied Polymer Science, 2011, 119, 2135-2142.	2.6	65
17002	Thermal and flame retardant properties of ethylene vinyl acetate copolymer/modified multiwalled carbon nanotube composites. Journal of Applied Polymer Science, 2011, 119, 2974-2983.	2.6	23
17003	Synthesis of hybrid polyaniline/carbon nanotube nanocomposites by dynamic interfacial inverse emulsion polymerization under sonication. Journal of Applied Polymer Science, 2011, 120, 676-682.	2.6	25
17004	Multiwalled carbon nanotube/polyacrylonitrile composite fibers prepared by <i>in situ</i> polymerization. Journal of Applied Polymer Science, 2011, 120, 1385-1389.	2.6	13
17005	Research of styrene-butadiene rubber/silicon-aluminum oxides nanotube binary nanocomposites. Journal of Applied Polymer Science, 2011, 120, 3196-3203.	2.6	7
17006	Effect of styrene-acrylonitrile on the electrical resistivity of polycarbonate/multiwalled carbon nanotube composites. Journal of Applied Polymer Science, 2011, 120, 3224-3232.	2.6	14
17007	Morphology, crystallization, and mechanical properties of poly(ethylene terephthalate)/multiwalled carbon nanotubes composites. Journal of Applied Polymer Science, 2011, 120, 3460-3468.	2.6	20
17008	Tribological behavior of carbon nanotube and polytetrafluoroethylene filled polyimide composites under different lubricated conditions. Journal of Applied Polymer Science, 2011, 121, 1574-1578.	2.6	24

#	ARTICLE	IF	CITATIONS
17009	Effect of MWCNTs irradiation grafting treatment on the surface properties of PBO fiber. Journal of Applied Polymer Science, 2011, 121, 3455-3459.	2.6	12
17010	Water-based amorphous carbon nanotubes filled polymer nanocomposites. Journal of Applied Polymer Science, 2011, 122, 1986-1992.	2.6	7
17011	Crystallization behavior of polyamide 11/multiwalled carbon nanotube composites. Journal of Applied Polymer Science, 2011, 122, 551-560.	2.6	27
17012	Electrochemical immobilization of ascorbate oxidase in poly(3,4-ethylenedioxythiophene)/multiwalled carbon nanotubes composite films. Journal of Applied Polymer Science, 2011, 122, 1142-1151.	2.6	21
17013	Properties and degradation behavior of surface functionalized MWCNT/poly(L-lactide-co-ε-caprolactone) biodegradable nanocomposites. Journal of Applied Polymer Science, 2011, 122, 3133-3144.	2.6	8
17022	TiO ₂ Nanotubes: Synthesis and Applications. Angewandte Chemie - International Edition, 2011, 50, 2904-2939.	13.8	2,752
17023	A Porous Flexible Homochiral SrSi ₂ Array of Single-Stranded Helical Nanotubes Exhibiting Single-Crystal-to-Single-Crystal Oxidation Transformation. Angewandte Chemie - International Edition, 2011, 50, 436-440.	13.8	66
17024	Highly-Ordered Covalent Anchoring of Carbon Nanotubes on Electrode Surfaces by Diazonium Salt Reactions. Angewandte Chemie - International Edition, 2011, 50, 3457-3461.	13.8	35
17025	Nanosizing Intermetallic Compounds Onto Carbon Nanotubes: Active and Selective Hydrogenation Catalysts. Angewandte Chemie - International Edition, 2011, 50, 10231-10235.	13.8	128
17026	Coordination-Polymer Nanotubes and Spheres: A Ligand-Structure Effect. Angewandte Chemie - International Edition, 2011, 50, 3224-3226.	13.8	50
17027	Coordination Polymer Nanostructures. Angewandte Chemie - International Edition, 2011, 50, 6001-6003.	13.8	19
17028	Size-Selective Encapsulation of C ₆₀ by [10]Cycloparaphenylene: Formation of the Shortest Fullerene-Peapod. Angewandte Chemie - International Edition, 2011, 50, 8342-8344.	13.8	407
17029	Oxygen Insertion Catalysis by sp ² Carbon. Angewandte Chemie - International Edition, 2011, 50, 10226-10230.	13.8	118
17030	Determination of tryptophan and kynurenine in human plasma by liquid chromatography-electrochemical detection with multi-wall carbon nanotube-modified glassy carbon electrode. Biomedical Chromatography, 2011, 25, 938-942.	1.7	23
17031	Generation of Crystalline Hollow Needles: New Approach by Liquid-Liquid Phase Transformation. Chemical Engineering and Technology, 2011, 34, 599-603.	1.5	12
17032	Preparation and Application of Multiple-Component-Doped Keggin Polyoxometalate Microtubes-Towards a Component-Tunable Hollow Structure. Chemistry - A European Journal, 2011, 17, 3657-3662.	3.3	25
17033	Surface Chemistry in the Process of Coating Mesoporous SiO ₂ onto Carbon Nanotubes Driven by the Formation of Si- $\text{O}(\text{Si})_2\text{C}$ Bonds. Chemistry - A European Journal, 2011, 17, 3228-3237.	3.3	50
17034	Optical and Vibrational Properties of Toroidal Carbon Nanotubes. Chemistry - A European Journal, 2011, 17, 3868-3875.	3.3	25

#	ARTICLE	IF	CITATIONS
17035	High-speed Carbon Nanotube Actuators Based on an Oxidation/Reduction Reaction. Chemistry - A European Journal, 2011, 17, 10965-10971.	3.3	45
17036	Carbon Nanotube-Nucleobase Hybrids: Nanorings from Uracil-Modified Single-Walled Carbon Nanotubes. Chemistry - A European Journal, 2011, 17, 6772-6780.	3.3	41
17037	Generating Hydrogen Gas from Methane with Carbon Captured as Pure Spheroidal Nanomaterials. Chemistry - A European Journal, 2011, 17, 9188-9192.	3.3	16
17038	From Nanoplates to Microtubes and Microrods: A Surfactant-Free Rolling Mechanism for Facile Fabrication and Morphology Evolution of Ag ₂ S Films. Chemistry - A European Journal, 2011, 17, 7694-7700.	3.3	22
17039	Facile Preparation of Carbon Nanotube/Poly(ethyl 2-cyanoacrylate) Composite Electrode by Water-Vapor-Initiated Polymerization for Enhanced Amperometric Detection. Chemistry - A European Journal, 2011, 17, 12458-12464.	3.3	11
17040	Axial buckling of multi-walled carbon nanotubes and nanopeapods. European Journal of Mechanics, A/Solids, 2011, 30, 794-806.	3.7	23
17041	Small scale effect on flow-induced instability of double-walled carbon nanotubes. European Journal of Mechanics, A/Solids, 2011, 30, 992-998.	3.7	19
17042	Modeling thermal conductivity augmentation of nanofluids using diffusion neural networks. International Journal of Thermal Sciences, 2011, 50, 44-52.	4.9	111
17043	Synthesis and characterization of Zn ²⁺ /Cd ²⁺ doped polyoxometalate microtubes. Inorganic Chemistry Communication, 2011, 14, 221-224.	3.9	3
17044	Methane decomposition to CO _x -free hydrogen and nano-carbon material on group 8-10 base metal catalysts: A review. Catalysis Today, 2011, 162, 1-48.	4.4	387
17045	LaNiO ₃ perovskite catalyst precursor for rapid decomposition of methane: Influence of temperature and presence of H ₂ in feed stream. Catalysis Today, 2011, 171, 24-35.	4.4	91
17046	Plasma induced grafting multiwall carbon nanotubes with chitosan for 4,4'-dichlorobiphenyl removal from aqueous solution. Chemical Engineering Journal, 2011, 170, 498-504.	12.7	30
17047	Enhancement in photocatalytic activity for acetaldehyde removal by embedding ZnO nano particles on multiwall carbon nanotubes. Chemical Engineering Journal, 2011, 166, 407-412.	12.7	125
17048	Effect of surfactants on Pb(II) adsorption from aqueous solutions using oxidized multiwall carbon nanotubes. Chemical Engineering Journal, 2011, 166, 551-558.	12.7	151
17049	The production of carbon nanotubes using two-stage chemical vapor deposition and their potential use in protein purification. Chemical Engineering Journal, 2011, 168, 461-469.	12.7	57
17050	Simply heating to remove the sacrificial core TeO ₂ nanowires and to generate tubular nanostructures of metal oxides. Chemical Engineering Journal, 2011, 170, 326-332.	12.7	6
17051	Fluidized bed synthesis of carbon nanotubes - A review. Chemical Engineering Journal, 2011, 171, 841-869.	12.7	112
17052	Fascinating distinct reactivity of 3- or 2-aminopyridines with carbon nanotubes. Chemical Engineering Journal, 2011, 172, 557-563.	12.7	7

#	ARTICLE	IF	CITATIONS
17053	The synthesis of peculiar structure of spring-like multiwalled carbon nanotubes via mechanothermal method. <i>Ceramics International</i> , 2011, 37, 2803-2808.	4.8	2
17054	Carbon nanofibers extracted from soot as a sorbent for the determination of aromatic amines from wastewater effluent samples. <i>Journal of Chromatography A</i> , 2011, 1218, 3581-3587.	3.7	15
17055	A novel solid-phase microextraction using coated fiber based sol-gel technique using poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 T and o-xylene in water samples with gas chromatography-flam ionization detector. <i>Journal of Chromatography A</i> , 2011, 1218, 5757-5764.	3.7	86
17056	Ultrasensitive electrochemical strategy for NT-proBNP detection with gold nanochains and horseradish peroxidase complex amplification. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2188-2193.	10.1	67
17057	The simultaneous electrochemical detection of ascorbic acid, dopamine, and uric acid using graphene/size-selected Pt nanocomposites. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3450-3455.	10.1	488
17058	Low-potential sensitive H ₂ O ₂ detection based on composite micro tubular Te adsorbed on platinum electrode. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3562-3569.	10.1	48
17059	Geometric polyhedral models for nanotubes comprising hexagonal lattices. <i>Journal of Computational and Applied Mathematics</i> , 2011, 235, 3943-3952.	2.0	7
17060	Surface free energy and optimizing time about hydrophobic coating of multi-walled carbon nanotubes under low pressure by glow plasma with toluene. <i>Current Applied Physics</i> , 2011, 11, 298-302.	2.4	2
17061	The thermal effect on nonlinear oscillations of carbon nanotubes with arbitrary boundary conditions. <i>Current Applied Physics</i> , 2011, 11, 692-697.	2.4	50
17062	Fabrication of nanomaterials using anodic aluminum oxide and their properties. <i>Current Applied Physics</i> , 2011, 11, S339-S345.	2.4	4
17063	Electrochemical surface oxidation of carbon nanofibers. <i>Carbon</i> , 2011, 49, 96-105.	10.3	72
17064	Dissolution and alkylation of industrially produced multi-walled carbon nanotubes. <i>Carbon</i> , 2011, 49, 170-175.	10.3	20
17065	Hybrid carbon nanostructured ensembles as chemiresistive hydrogen gas sensors. <i>Carbon</i> , 2011, 49, 227-236.	10.3	51
17066	Thermal and electrical conduction properties of vertically aligned carbon nanotubes produced by water-assisted chemical vapor deposition. <i>Carbon</i> , 2011, 49, 294-298.	10.3	32
17067	Thermal and mechanical properties of phosphorylated multiwalled carbon nanotube/polyvinyl chloride composites. <i>Carbon</i> , 2011, 49, 610-617.	10.3	45
17068	Structural stability of a coaxial carbon nanotube inside a boron-nitride nanotube. <i>Carbon</i> , 2011, 49, 677-683.	10.3	25
17069	A simplified synthesis of N-doped zeolite-templated carbons, the control of the level of zeolite-like ordering and its effect on hydrogen storage properties. <i>Carbon</i> , 2011, 49, 844-853.	10.3	94
17070	Carbon nanotube length reduction techniques, and characterisation of oxidation state using quasi-elastic light scattering. <i>Carbon</i> , 2011, 49, 862-868.	10.3	19

#	ARTICLE	IF	CITATIONS
17071	Formation mechanism of carbon-encapsulated iron nanorods in a co-carbonization process. Carbon, 2011, 49, 890-894.	10.3	21
17072	Energetics of single-wall carbon nanotubes as revealed by calorimetry and neutron scattering. Carbon, 2011, 49, 949-954.	10.3	17
17073	Nitrogen-doped carbon nanotubes coated by atomic layer deposited SnO ₂ with controlled morphology and phase. Carbon, 2011, 49, 1133-1144.	10.3	80
17074	Efficient growth of multi-walled carbon nanotubes by continuous-wave laser vaporization of graphite containing B ₄ C. Carbon, 2011, 49, 1173-1181.	10.3	35
17075	Experimental demonstration of meso-scale carbon nanotube self-assembled tube structures. Carbon, 2011, 49, 1235-1242.	10.3	2
17076	A comparison of the effects of multi-wall and single-wall carbon nanotube additions on the properties of zirconia toughened alumina composites. Carbon, 2011, 49, 1599-1607.	10.3	77
17077	One-pot synthesis of carbonaceous monolith with surface sulfonic groups and its carbonization/activation. Carbon, 2011, 49, 1811-1820.	10.3	87
17078	An approach to the uniform dispersion of a high volume fraction of carbon nanotubes in aluminum powder. Carbon, 2011, 49, 1965-1971.	10.3	173
17079	A molecular dynamics simulation of the mechanical characteristics of a C ₆₀ -filled carbon nanotube under nanoindentation using various carbon nanotube tips. Carbon, 2011, 49, 2053-2061.	10.3	44
17080	The electrical and optical properties of oriented Langmuir-Blodgett films of single-walled carbon nanotubes. Carbon, 2011, 49, 2424-2430.	10.3	20
17081	Multi-functional multi-walled carbon nanotube-jute fibres and composites. Carbon, 2011, 49, 2683-2692.	10.3	52
17082	A grand canonical Monte Carlo study of hydrogen adsorption in carbon nanohorns and nanocones at 77K. Carbon, 2011, 49, 2715-2724.	10.3	27
17083	The use of water-soluble pyrene derivatives to probe the surface of carbon nanotubes. Carbon, 2011, 49, 2935-2943.	10.3	11
17084	Catalytic formation of carbon phases in metal modified, porous polymer derived SiCN ceramics. Carbon, 2011, 49, 3065-3072.	10.3	36
17085	Effect of carbon nanotube length and density on the properties of carbon nanotube-coated carbon fiber/polyester composites. Carbon, 2011, 49, 3098-3106.	10.3	156
17086	Differences in cytocompatibility and hemocompatibility between carbon nanotubes and nitrogen-doped carbon nanotubes. Carbon, 2011, 49, 3125-3133.	10.3	46
17087	Molecular dynamics simulations of vinyl ester resin monomer interactions with a pristine vapor-grown carbon nanofiber and their implications for composite interphase formation. Carbon, 2011, 49, 3219-3232.	10.3	53
17088	The synthesis and characterization of carbon nanotubes grown by chemical vapor deposition using a stainless steel catalyst. Carbon, 2011, 49, 3307-3315.	10.3	77

#	ARTICLE	IF	CITATIONS
17089	Production of predominantly semiconducting double-walled carbon nanotubes. Carbon, 2011, 49, 3512-3521.	10.3	6
17090	Highly conductive nanoclustered carbon:nickel films grown by pulsed laser deposition. Carbon, 2011, 49, 3781-3788.	10.3	14
17091	Mechanical properties of graphyne. Carbon, 2011, 49, 4111-4121.	10.3	385
17092	The strain sensing and thermal-mechanical behavior of flexible multi-walled carbon nanotube/polystyrene composite films. Carbon, 2011, 49, 3928-3936.	10.3	57
17093	Dispersion of carbon nanotubes in ethanol by a bead milling process. Carbon, 2011, 49, 4131-4137.	10.3	29
17094	Growth of graphite spheres in liquid nickel. Carbon, 2011, 49, 3953-3957.	10.3	3
17095	Effect of purification of carbon nanotubes on their electrocatalytic properties for oxygen reduction in acid solution. Carbon, 2011, 49, 4031-4039.	10.3	76
17096	Delivery of drugs and biomolecules using carbon nanotubes. Carbon, 2011, 49, 4077-4097.	10.3	241
17097	Determination of Young's modulus of carbon nanofiber probes fabricated by the argon ion bombardment of carbon coated silicon cantilever. Carbon, 2011, 49, 4191-4196.	10.3	14
17098	One-pot synthesis of MnO ₂ /graphene/carbon nanotube hybrid by chemical method. Carbon, 2011, 49, 4434-4442.	10.3	125
17099	The production of horizontally aligned single-walled carbon nanotubes. Carbon, 2011, 49, 4098-4110.	10.3	77
17100	Development of electrical conductivity with minimum possible percolation threshold in multi-wall carbon nanotube/polystyrene composites. Carbon, 2011, 49, 4571-4579.	10.3	82
17101	The effect of an Al underlayer on Fe-Si thin film catalysts for the improved growth of carbon nanotubes. Carbon, 2011, 49, 4589-4594.	10.3	4
17102	Synthesis of aligned carbon nanotubes. Carbon, 2011, 49, 4613-4635.	10.3	133
17103	Thermal properties and transition studies of multi-wall carbon nanotube/nylon-6 composites. Carbon, 2011, 49, 4858-4866.	10.3	19
17104	Effect of carboxylate multi-walled carbon nanotubes on the performance of thermoplastic starch nanocomposites. Carbohydrate Polymers, 2011, 83, 447-451.	10.2	61
17105	Surface oxidation and effect of electric field on dispersion and colloids stability of multiwalled carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 384, 685-690.	4.7	56
17106	Electro-oxidation and determination of antihistamine drug, cetirizine dihydrochloride at glassy carbon electrode modified with multi-walled carbon nanotubes. Colloids and Surfaces B: Biointerfaces, 2011, 83, 133-138.	5.0	53

#	ARTICLE	IF	CITATIONS
17107	Incorporation of carboxylation multiwalled carbon nanotubes into biodegradable poly(lactic-co-glycolic acid) for bone tissue engineering. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 83, 367-375.	5.0	85
17108	Wet-grinding assisted ultrasonic dispersion of pristine multi-walled carbon nanotubes (MWCNTs) in chitosan solution. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 189-197.	5.0	48
17109	Highly sensitive voltammetric sensor based on catechol-derivative-multiwall carbon nanotubes for the catalytic determination of captopril in patient human urine samples. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 87, 480-488.	5.0	127
17110	Insitu multiscale analysis of fracture mechanisms in nanocomposites. <i>Composites Part B: Engineering</i> , 2011, 42, 1157-1163.	12.0	11
17111	Interfacial analysis between Mg matrix and carbon nanotubes in Mg-6wt.% Al alloy matrix composites reinforced with carbon nanotubes. <i>Composites Science and Technology</i> , 2011, 71, 705-709.	7.8	87
17112	Direct measurements of interfacial shear strength of multi-walled carbon nanotube/PEEK composite using a nano-pullout method. <i>Composites Science and Technology</i> , 2011, 71, 1295-1300.	7.8	122
17113	Formation and mechanical characterisation of SU8 composite films reinforced with horizontally aligned and high volume fraction CNTs. <i>Composites Science and Technology</i> , 2011, 71, 1301-1308.	7.8	15
17114	Structure and properties of highly oriented polyoxymethylene/multi-walled carbon nanotube composites produced by hot stretching. <i>Composites Science and Technology</i> , 2011, 71, 1367-1372.	7.8	32
17115	Vibrational analysis of graphene based nanostructures. <i>Computers and Structures</i> , 2011, 89, 878-892.	4.4	30
17116	Investigation of temperature effect on the mechanical properties of single-walled carbon nanotubes. <i>Composite Structures</i> , 2011, 93, 2208-2212.	5.8	35
17117	Multiscale modeling for mechanical properties of carbon nanotube reinforced nanocomposites subjected to different types of loading. <i>Composite Structures</i> , 2011, 93, 2250-2259.	5.8	88
17118	Comparison of electronic and magnetic properties of Fe, Co and Ni nanowires encapsulated in beryllium oxygen nanotubes. <i>Computational and Theoretical Chemistry</i> , 2011, 963, 273-278.	2.5	18
17119	Comparative study of the electrostatic potential of perfect and defective single-walled carbon nanotubes. <i>Computational and Theoretical Chemistry</i> , 2011, 966, 1-8.	2.5	8
17120	The influence of NH ₃ -attaching on the NMR and NQR parameters in the (6,0) zigzag single-walled BPNTs: a density functional study. <i>Computational and Theoretical Chemistry</i> , 2011, 967, 179-184.	2.5	19
17121	An amperometric uric acid biosensor based on multiwalled carbon nanotube-gold nanoparticle composite. <i>Analytical Biochemistry</i> , 2011, 413, 97-103.	2.4	112
17122	A novel needle trap sorbent based on carbon nanotube-sol-gel for microextraction of polycyclic aromatic hydrocarbons from aquatic media. <i>Analytica Chimica Acta</i> , 2011, 683, 212-220.	5.4	105
17123	Synthesis of MWCNTs and hydrogen from ethanol catalytic decomposition over a Ni/La ₂ O ₃ catalyst produced by the reduction of LaNiO ₃ . <i>Applied Catalysis A: General</i> , 2011, 397, 73-81.	4.3	44
17124	Catalytic conversion of wastes from the bioethanol production into carbon nanomaterials. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 433-444.	20.2	56

#	ARTICLE	IF	CITATIONS
17125	Synthesis, morphology and growth mechanism of brush-like ZnO nanostructures. Applied Surface Science, 2011, 257, 2097-2101.	6.1	17
17126	Fabrication of nano-electrode arrays of free-standing carbon nanotubes on nano-patterned substrate by imprint method. Applied Surface Science, 2011, 257, 3063-3068.	6.1	9
17127	Formation of carbon nanostructures containing single-crystalline cobalt carbides by ion irradiation method. Applied Surface Science, 2011, 257, 3168-3173.	6.1	6
17128	Effect of multi-walled carbon nanotubes loaded with Ag nanoparticles on the photocatalytic degradation of rhodamine B under visible light irradiation. Applied Surface Science, 2011, 257, 3620-3626.	6.1	51
17129	Reactor scale modeling of multi-walled carbon nanotube growth. Applied Surface Science, 2011, 257, 5931-5937.	6.1	3
17130	Functional and unmodified MWNTs for delivery of the water-insoluble drug Carvedilol – A drug-loading mechanism. Applied Surface Science, 2011, 257, 5663-5670.	6.1	32
17131	Effects of different carbon precursors on synthesis of multiwall carbon nanotubes: Purification and Functionalization. Applied Surface Science, 2011, 257, 7359-7367.	6.1	56
17132	A general sonochemical approach to rapid synthesis of 1D single-crystalline M ₂ Sn(OH) ₆ (M = Ba, Ca, Sr) nanostructures. Applied Surface Science, 2011, 257, 9008-9013.	6.1	8
17133	Influence of surface chemistry on the electronic properties of graphene nanoflakes. Chemical Physics Letters, 2011, 503, 91-96.	2.6	24
17134	Increased dispersion and solubility of carbon nanotubes noncovalently modified by the polysaccharide biopolymer, chitosan: MD simulations. Chemical Physics Letters, 2011, 507, 134-137.	2.6	34
17135	Energetic stability of hydrogen-chemisorbed carbon nanotube structures. Chemical Physics Letters, 2011, 508, 107-110.	2.6	9
17136	Experimental and density functional studies on the corrosion behavior of the copper-nickel-tin alloy. Chemical Physics Letters, 2011, 509, 192-197.	2.6	22
17137	A new recyclable Pd catalyst supported on vertically aligned carbon nanotubes for microwaves-assisted Heck reactions. Comptes Rendus Chimie, 2011, 14, 663-670.	0.5	8
17138	Ion-exchange membrane capacitive deionization: A new strategy for brackish water desalination. Desalination, 2011, 275, 62-66.	8.2	247
17139	The treatment of brewery wastewater for reuse: State of the art. Desalination, 2011, 273, 235-247.	8.2	254
17140	On the spectra and isomerization of azobenzene attached non-covalently to an armchair (8,8) single-walled carbon nanotube. Dyes and Pigments, 2011, 89, 290-296.	3.7	8
17141	Size-effects in TiO ₂ nanotubes: Diameter dependent anatase/rutile stabilization. Electrochemistry Communications, 2011, 13, 538-541.	4.7	117
17142	Electrochemical fabrication and potential-enhanced luminescence of [Ru(bpy) ₂ tatp] ²⁺ incorporating DNA-stabilized single-wall carbon nanotubes on an indium tin oxide electrode. Electrochimica Acta, 2011, 56, 1432-1438.	5.2	6

#	ARTICLE	IF	CITATIONS
17143	Comparative study on the electrocatalytic activities of ordered mesoporous carbons and graphene. <i>Electrochimica Acta</i> , 2011, 56, 3042-3048.	5.2	29
17144	Electrocatalytic oxidation and detection of hydrazine at carbon nanotube-supported palladium nanoparticles in strong acidic solution conditions. <i>Electrochimica Acta</i> , 2011, 56, 4930-4936.	5.2	86
17145	Preparation and characterization of a graphite electrode containing carbon nanotubes grown in situ by flame synthesis. <i>Electrochimica Acta</i> , 2011, 56, 5205-5209.	5.2	2
17146	Fabrication of bimetallic nanoparticles/multi-walled carbon nanotubes composites for microelectronic circuits. <i>Carbon</i> , 2011, 49, 779-786.	10.3	8
17147	Carbonaceous nanomaterials for the enhancement of TiO ₂ photocatalysis. <i>Carbon</i> , 2011, 49, 741-772.	10.3	1,069
17148	Improved field emission from amorphous carbon nanotubes by surface functionalization with stearic acid. <i>Carbon</i> , 2011, 49, 1272-1278.	10.3	30
17149	Chemical vapor deposition of highly dispersed Pt nanoparticles on multi-walled carbon nanotubes for use as fuel-cell electrodes. <i>Carbon</i> , 2011, 49, 1491-1501.	10.3	39
17150	Analysis of the interaction of vinyl and carbonyl silanes with carbon nanofiber surfaces. <i>Carbon</i> , 2011, 49, 1635-1645.	10.3	21
17151	Green synthesis of a Pt nanoparticle/polyoxometalate/carbon nanotube tri-component hybrid and its activity in the electrocatalysis of methanol oxidation. <i>Carbon</i> , 2011, 49, 1906-1911.	10.3	75
17152	Effect of functionalization on the thermo-mechanical and electrical behavior of multi-wall carbon nanotube/epoxy composites. <i>Carbon</i> , 2011, 49, 1919-1930.	10.3	230
17153	Fabrication of nanoscale three-dimensional graphite stacked-junctions by focused-ion-beam and observation of anomalous transport characteristics. <i>Carbon</i> , 2011, 49, 2766-2772.	10.3	48
17154	Evaluating the characteristics of multiwall carbon nanotubes. <i>Carbon</i> , 2011, 49, 2581-2602.	10.3	951
17155	Ring-shaped field emission patterns from carbon nanotube films. <i>Carbon</i> , 2011, 49, 3332-3339.	10.3	9
17156	Exfoliation from carbon nanotubes versus tube size on lithium insertion. <i>Electrochemistry Communications</i> , 2011, 13, 125-128.	4.7	19
17157	Nanostructured MoS _x -based thin films obtained by electrochemical reduction. <i>Electrochimica Acta</i> , 2011, 56, 2433-2442.	5.2	20
17158	DNA hybridization biosensor using chitosan/carbon nanotubes composite film as an immobilization platform and [Cu(bpy)(MBZ)2(H ₂ O)] (bpy=2,2'-bipyridine, MBZ=p-methylbenzoate) as a novel redox indicator. <i>Electrochimica Acta</i> , 2011, 56, 3829-3834.	5.2	27
17159	Electrochemical detection of acetaminophen on the functionalized MWCNTs modified electrode using layer-by-layer technique. <i>Electrochimica Acta</i> , 2011, 56, 6619-6627.	5.2	72
17160	Corrosion behaviour of multiwall carbon nanotube/magnesium composites in 3.5% NaCl. <i>Electrochimica Acta</i> , 2011, 56, 7141-7148.	5.2	71

#	ARTICLE	IF	CITATIONS
17161	CO gas sensing of CuO nanostructures, synthesized by an assisted solvothermal wet chemical route. <i>Physica B: Condensed Matter</i> , 2011, 406, 144-149.	2.7	128
17162	A computational study of silicon-doped aluminum phosphide nanotubes. <i>Physica B: Condensed Matter</i> , 2011, 406, 84-87.	2.7	3
17163	Band structures of carbon nanotube with spin-orbit coupling interaction. <i>Physica B: Condensed Matter</i> , 2011, 406, 104-107.	2.7	4
17164	Influence of DC electric field on the Lennard-Jones potential and phonon vibrations of carbon nanotube on catalyst. <i>Physica B: Condensed Matter</i> , 2011, 406, 1038-1040.	2.7	7
17165	Interaction between methanol and single-walled carbon nanotubes: Density functional theory study. <i>Physica B: Condensed Matter</i> , 2011, 406, 1295-1299.	2.7	16
17166	Influence of high-energy electron irradiation on field emission properties of multi-walled carbon nanotubes (MWCNTs) films. <i>Physica B: Condensed Matter</i> , 2011, 406, 1809-1813.	2.7	19
17167	Transport properties and mechanism of C60 coupled to carbon nanotube electrode. <i>Physica B: Condensed Matter</i> , 2011, 406, 2138-2142.	2.7	8
17168	Sensitive electrochemical determination of luteolin in peanut hulls using multi-walled carbon nanotubes modified electrode. <i>Food Chemistry</i> , 2011, 127, 694-698.	8.2	41
17169	A novel microassay for measuring blood alcohol concentration using a disposable biosensor strip. <i>Forensic Science International</i> , 2011, 207, 177-182.	2.2	26
17170	Prediction of nonlocal scaling parameter for armchair and zigzag single-walled carbon nanotubes based on molecular structural mechanics, nonlocal elasticity and wave propagation. <i>International Journal of Engineering Science</i> , 2011, 49, 509-522.	5.0	88
17171	Nitrogen-doped carbon nanotubes with high activity for oxygen reduction in alkaline media. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 2258-2265.	7.1	128
17172	Carbon nanotube supported Pt-Ni catalysts for preferential oxidation of CO in hydrogen-rich gases. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1939-1948.	7.1	45
17173	Experimental investigation of hydrogen storage in single walled carbon nanotubes functionalized with borane. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3574-3579.	7.1	34
17174	Enhanced electrochemical hydrogen storage capacity of multi-walled carbon nanotubes by TiO ₂ decoration. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 6739-6743.	7.1	60
17175	Creep and recovery of polypropylene/carbon nanotube composites. <i>International Journal of Plasticity</i> , 2011, 27, 1239-1251.	8.8	196
17176	Characterization of ion/electron beam induced deposition of electrical contacts at the sub-1/4m scale. <i>Microelectronic Engineering</i> , 2011, 88, 1569-1572.	2.4	13
17177	Indigo-sepiolite nanohybrids: Temperature-dependent synthesis of two complexes and comparison with indigo-palygorskite systems. <i>Microporous and Mesoporous Materials</i> , 2011, 142, 371-380.	4.4	49
17178	Graphitic nanocrystals inside the pores of mesoporous silica: Synthesis, characterization and an adsorption study. <i>Microporous and Mesoporous Materials</i> , 2011, 144, 120-133.	4.4	18

#	ARTICLE	IF	CITATIONS
17179	Electron microscopy and in situ testing of mechanical deformation of carbon nanotubes. <i>Micron</i> , 2011, 42, 663-679.	2.2	17
17180	In situ anion-exchange synthesis and photocatalytic activity of Ag ₈ W ₄ O ₁₆ /AgCl-nanoparticle core-shell nanorods. <i>Journal of Molecular Catalysis A</i> , 2011, 334, 52-59.	4.8	80
17181	Studies on preparation and properties of the multi-walled carbon nanotubes (MWNTs)/epoxy nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 5759-5763.	5.6	14
17182	Computational study of the effect of carbon vacancy defects on the Young's modulus of (6, 6) single wall carbon nanotube. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 693-700.	3.5	16
17183	Oriented growth of magnetite along the carbon nanotubes via covalently bonded method in a simple solvothermal system. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 779-784.	3.5	34
17184	Synthesis of single-crystalline \pm -MnO ₂ nanotubes and structural characterization by HRTEM. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 1054-1057.	3.5	15
17185	Effects of temperature and torsion speed on torsional properties of single-walled carbon nanotubes. <i>Materials Science and Engineering C</i> , 2011, 31, 452-457.	7.3	29
17186	Noble metal nanoparticles/carbon nanotubes nanohybrids: Synthesis and applications. <i>Nano Today</i> , 2011, 6, 75-90.	11.9	344
17187	Optical absorption spectroscopy of one-dimensional silicon nanostructures. <i>Optics and Lasers in Engineering</i> , 2011, 49, 668-674.	3.8	3
17188	Pd nanoparticles deposited on poly(lactic acid) grafted carbon nanotubes: Synthesis, characterization and application in Heck C-C coupling reaction. <i>Applied Catalysis A: General</i> , 2011, 399, 154-160.	4.3	50
17189	Ruthenium catalyst on carbon nanofiber support layers for use in silicon-based structured microreactors, Part I: Preparation and characterization. <i>Applied Catalysis B: Environmental</i> , 2011, 102, 232-242.	20.2	21
17190	Preparation and characterization of Pt on modified multi-wall carbon nanotubes to be used as electrocatalysts for high temperature fuel cell applications. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 379-389.	20.2	56
17191	Carbon-doped TiO ₂ coating on multiwalled carbon nanotubes with higher visible light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2011, 107, 128-134.	20.2	206
17192	An improved planar-gate triode with CNTs field emitters by electrophoretic deposition. <i>Applied Surface Science</i> , 2011, 257, 3259-3264.	6.1	12
17193	Local super-saturation dependent synthesis of MgO nanosheets. <i>Applied Surface Science</i> , 2011, 257, 3607-3611.	6.1	17
17194	The in vitro biomineralization and cytocompatibility of polydopamine coated carbon nanotubes. <i>Applied Surface Science</i> , 2011, 257, 4849-4855.	6.1	69
17195	The effects of catalyst treatment on fast growth of millimeter-long multi-walled carbon nanotube arrays. <i>Applied Surface Science</i> , 2011, 257, 7704-7708.	6.1	38
17196	Hexagonal nanorods of tungsten trioxide: Synthesis, structure, electrochemical properties and activity as supporting material in electrocatalysis. <i>Applied Surface Science</i> , 2011, 257, 8223-8229.	6.1	58

#	ARTICLE	IF	CITATIONS
17197	Carbon nanotube reinforced aluminum composite fabricated by semi-solid powder processing. Journal of Materials Processing Technology, 2011, 211, 1341-1347.	6.3	110
17198	Reinforcement of calcium phosphate cement with multi-walled carbon nanotubes and bovine serum albumin for injectable bone substitute applications. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 331-339.	3.1	56
17199	Multiscale mass-spring models of carbon nanotube foams. Journal of the Mechanics and Physics of Solids, 2011, 59, 89-102.	4.8	68
17200	Bridged crack models for the toughness of composites reinforced with curved nanotubes. Journal of the Mechanics and Physics of Solids, 2011, 59, 1938-1952.	4.8	28
17201	Analysis of the entanglements in carbon nanotube fibers using a self-folded nanotube model. Journal of the Mechanics and Physics of Solids, 2011, 59, 511-524.	4.8	43
17202	A molecular mechanics study on size-dependent elastic properties of single-walled boron nitride nanotubes. Journal of the Mechanics and Physics of Solids, 2011, 59, 1204-1213.	4.8	77
17203	Organic-inorganic nanotube hybrids: Organosilica-nanotubes containing ethane, ethylene and acetylene groups. Journal of Organometallic Chemistry, 2011, 696, 2910-2917.	1.8	11
17204	Effective debundling of carbon nanotubes and simultaneous synthesis of Pt nanoparticles by Nafion® induced emulsions. Journal of Power Sources, 2011, 196, 6079-6084.	7.8	7
17205	Dye-sensitized solar cells based on anatase TiO ₂ hollow spheres/carbon nanotube composite films. Journal of Power Sources, 2011, 196, 7891-7898.	7.8	245
17206	Low cost, surfactant-less, one pot synthesis of Cu ₂ O nano-octahedra at room temperature. Journal of Solid State Chemistry, 2011, 184, 2209-2214.	2.9	38
17207	Wave propagation in double-walled carbon nanotubes on a novel analytically nonlocal Timoshenko-beam model. Journal of Sound and Vibration, 2011, 330, 1704-1717.	3.9	60
17208	Natural frequencies and mode shapes of initially curved carbon nanotube resonators under electric excitation. Journal of Sound and Vibration, 2011, 330, 3182-3195.	3.9	97
17209	On the vibrations of single-walled carbon nanotubes. Journal of Sound and Vibration, 2011, 330, 3102-3122.	3.9	53
17210	Viscoelastic and mechanical properties of multi walled carbon nanotube/epoxy composites with different nanotube content. Materials & Design, 2011, 32, 2301-2307.	5.1	129
17211	Nonlinear vibrations of embedded multi-walled carbon nanotubes using a variational approach. Mathematical and Computer Modelling, 2011, 53, 927-938.	2.0	50
17212	A mechanical model for single-file transport of water through carbon nanotube membranes. Journal of Membrane Science, 2011, 372, 57-65.	8.2	33
17213	Crosslinked sulfonated poly(vinyl alcohol)/sulfonated multi-walled carbon nanotubes nanocomposite membranes for direct methanol fuel cells. Journal of Membrane Science, 2011, 380, 208-215.	8.2	85
17214	Study of carbon nanotubes and functionalized-carbon nanotubes as substrates for flow injection solid phase extraction associated to inductively coupled plasma with ultrasonic nebulization. Microchemical Journal, 2011, 98, 225-230.	4.5	35

#	ARTICLE	IF	CITATIONS
17215	Electrochemical performance of carbon nanotube-supported cobalt phthalocyanine and its nitrogen-rich derivatives for oxygen reduction. <i>Journal of Molecular Catalysis A</i> , 2011, 335, 89-96.	4.8	71
17216	Effect of acid treatment on the surface of multiwalled carbon nanotubes prepared from Fe-Co supported on CaCO ₃ : Correlation with Fischer-Tropsch catalyst activity. <i>Journal of Molecular Catalysis A</i> , 2011, 335, 189-198.	4.8	94
17217	Novel surfactant selective electrochemical sensors based on single walled carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2011, 159, 226-229.	4.9	55
17218	Influence of functionalization on properties of MWCNT-epoxy nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 1192-1200.	5.6	127
17219	Preparation and characterization of mechanical properties of carbon nanotube/45S5Bioglass composites for biologic applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 1553-1557.	5.6	16
17220	Influence of dispersion of multi-walled carbon nanotubes on the electrochemical performance of PEDOT-PSS films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 204-209.	3.5	9
17221	A study of the electromagnetic properties of Cobalt-multiwalled carbon nanotubes (Co-MWCNTs) composites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 906-912.	3.5	24
17222	Pulmonary toxicity of carbon nanotubes: a systematic report. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 40-49.	3.3	192
17223	Non-linear and resonance effects in carbon nanotube structures. <i>Optical Materials</i> , 2011, 33, 1410-1414.	3.6	6
17224	Transparent and conductive metallic electrodes fabricated by using nanosphere lithography. <i>Organic Electronics</i> , 2011, 12, 961-965.	2.6	49
17225	Evaluation of aligned carbon nanotube thin film modified by an Argon-ion sputtering method. <i>Physics Procedia</i> , 2011, 14, 164-166.	1.2	1
17226	Controlling the morphology and size of CuO nanostructures with synthesis by solvo/hydrothermal method without any additives. <i>Physica B: Condensed Matter</i> , 2011, 406, 150-154.	2.7	34
17227	Molecular dynamics study of effects of nickel coating on torsional behavior of single-walled carbon nanotube. <i>Physica B: Condensed Matter</i> , 2011, 406, 992-995.	2.7	13
17228	Spin waves on the surface of the nonferromagnetic nanotube in magnetic field. <i>Physica B: Condensed Matter</i> , 2011, 406, 2077-2080.	2.7	9
17229	Comparison of the electrochemical behaviour of buckypaper and polymer-intercalated buckypaper electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2011, 652, 52-59.	3.8	12
17230	A comparative study on electrosorptive behavior of carbon nanotubes and graphene for capacitive deionization. <i>Journal of Electroanalytical Chemistry</i> , 2011, 653, 40-44.	3.8	220
17231	MWNT/Nafion composite modified glassy carbon electrode as the voltammetric sensor for sensitive determination of 8-hydroxyquinoline in cosmetic. <i>Journal of Electroanalytical Chemistry</i> , 2011, 655, 45-49.	3.8	21
17232	Removal of heavy metal ions from wastewaters: A review. <i>Journal of Environmental Management</i> , 2011, 92, 407-418.	7.8	6,428

#	ARTICLE	IF	CITATIONS
17233	Zirconia“multiwall carbon nanotubes dense nano-composites with an unusual balance between crack and ageing resistance. Journal of the European Ceramic Society, 2011, 31, 1009-1014.	5.7	45
17234	Synthesis of multi-wall carbon nanotubes by Ni-substituted (loading) MCM-41 mesoporous molecular sieve catalyzed pyrolysis of ethanol. Journal of Industrial and Engineering Chemistry, 2011, 17, 218-222.	5.8	17
17235	Dynamics of excited states in nanoscale materials. Journal of Luminescence, 2011, 131, 362-365.	3.1	1
17236	Synthesis, characterization and optical spectroscopy of Eu ³⁺ doped titanate nanotubes. Journal of Luminescence, 2011, 131, 2473-2477.	3.1	19
17237	An amperometric oxalate biosensor based on sorghum oxalate oxidase bound carboxylated multiwalled carbon nanotubes“polyaniline composite film. Journal of Biotechnology, 2011, 151, 212-217.	3.8	56
17238	Copper hydroxide nano and microcrystal: Facile synthesis, shape evolution and their catalytic properties. Journal of Colloid and Interface Science, 2011, 353, 392-397.	9.4	18
17239	Understanding surfactant aided aqueous dispersion of multi-walled carbon nanotubes. Journal of Colloid and Interface Science, 2011, 354, 144-151.	9.4	150
17240	Interactions between single-walled carbon nanotubes and lysozyme. Journal of Colloid and Interface Science, 2011, 355, 342-347.	9.4	38
17241	Dispersion of carbon nanotubes by carbazole-tailed amphiphilic imidazolium ionic liquids in aqueous solutions. Journal of Colloid and Interface Science, 2011, 356, 190-195.	9.4	35
17242	Effective functionalization of multiwalled carbon nanotube with amphiphilic poly(propyleneimine) dendrimer carrying silver nanoparticles for better dispersability and antimicrobial activity. Journal of Colloid and Interface Science, 2011, 357, 354-365.	9.4	101
17243	Fast functionalization of multi-walled carbon nanotubes by an atmospheric pressure plasma jet. Journal of Colloid and Interface Science, 2011, 359, 311-317.	9.4	50
17244	Hierarchical modeling of diffusive transport through nanochannels by coupling molecular dynamics with finite element method. Journal of Computational Physics, 2011, 230, 5722-5731.	3.8	58
17245	Aluminium based high thermal conductive composites containing CNT and VGCF -deformation dependence of thermal conductivity-. Procedia Engineering, 2011, 10, 912-917.	1.2	14
17246	Fabrication and mechanical properties of magnesium matrix composite reinforced with Si coated carbon nanotubes. Procedia Engineering, 2011, 10, 1446-1450.	1.2	37
17247	One-dimensional conducting polymer nanocomposites: Synthesis, properties and applications. Progress in Polymer Science, 2011, 36, 671-712.	24.7	568
17248	A review on the mechanical and electrical properties of graphite and modified graphite reinforced polymer composites. Progress in Polymer Science, 2011, 36, 638-670.	24.7	1,055
17249	Thermal conductivity of carbon nanotubes and their polymer nanocomposites: A review. Progress in Polymer Science, 2011, 36, 914-944.	24.7	2,089
17250	Organic“inorganic nanocomposite polymer electrolyte membranes for fuel cell applications. Progress in Polymer Science, 2011, 36, 945-979.	24.7	515

#	ARTICLE	IF	CITATIONS
17251	Nonlocal wave propagation in rotating nanotube. Results in Physics, 2011, 1, 17-25.	4.1	69
17252	Synthesis and photophysical processes of an anthracene derivative containing hole transfer groups. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 78, 294-297.	3.9	3
17253	Synthesis of flower like zinc oxide nanostructure and its application as a photocatalyst. Separation and Purification Technology, 2011, 80, 125-130.	7.9	40
17254	Convective flow adsorption of nickel ions in PVDF membrane embedded with multi-walled carbon nanotubes and PAA coating. Separation and Purification Technology, 2011, 80, 155-162.	7.9	62
17255	Performance of nanocomposites stacked with carbon nanotubes and Nafion films. Sensors and Actuators A: Physical, 2011, 165, 316-320.	4.1	4
17256	Carbon nanotubes humidity sensor based on high testing frequencies. Sensors and Actuators A: Physical, 2011, 168, 10-13.	4.1	36
17257	Zeptogram scale mass sensing using single walled carbon nanotube based biosensors. Sensors and Actuators A: Physical, 2011, 168, 275-280.	4.1	45
17258	Geometries, electronic structures and energetics of small-diameter single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 669-672.	2.7	10
17259	Pressure-induced structural phase transition of small-diameter carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 673-676.	2.7	14
17260	Energetics and electronic structures of pyridine-type defects in nitrogen-doped carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 677-680.	2.7	44
17261	Adsorption and separation of binary mixtures of noble gases on single-walled carbon nanotube bundles. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 851-856.	2.7	18
17262	Study on tunable resonator using a cantilevered carbon nanotube encapsulating a copper nanocluster. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 909-913.	2.7	19
17263	Small scale effects on the stability of carbon nano-peapods under radial pressure. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1050-1055.	2.7	15
17264	Nonlocal Timoshenko beam model for the large-amplitude vibrations of embedded multiwalled carbon nanotubes including thermal effects. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1171-1178.	2.7	77
17265	Critical buckling temperature of single-walled carbon nanotubes embedded in a one-parameter elastic medium based on nonlocal continuum mechanics. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1185-1191.	2.7	67
17266	Modeling carbon nanotube-based mass sensors using axial vibration and nonlocal elasticity. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1229-1234.	2.7	102
17267	Torsional vibration of carbon nanotubeâ€“buckyball systems based on nonlocal elasticity theory. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1276-1280.	2.7	67
17268	A computational study of gallium phosphide nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1343-1345.	2.7	15

#	ARTICLE	IF	CITATIONS
17269	Thermal effect on wave propagation in double-walled carbon nanotubes embedded in a polymer matrix using nonlocal elasticity. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1379-1386.	2.7	27
17270	Ferromagnetic and antiferromagnetic properties of the fluorinated bilayer SiC sheets. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1394-1397.	2.7	6
17271	Flow-induced instability of double-walled carbon nanotubes based on nonlocal elasticity theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1419-1426.	2.7	13
17272	Effect of waviness on the mechanical properties of carbon nanotube based composites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1453-1460.	2.7	27
17273	Coherent phonons in excited-state carbon nanotubes: A simulation by tight-binding molecular dynamics. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1585-1591.	2.7	4
17274	Effects of axial magnetic field on the electronic and optical properties of boron nitride nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1631-1637.	2.7	13
17275	The effect of carbon precursors (methane, benzene and camphor) on the quality of carbon nanotubes synthesised by the chemical vapour decomposition. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1535-1542.	2.7	23
17276	The thermal effect on buckling analysis of a DWCNT embedded on the Pasternak foundation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1642-1648.	2.7	38
17277	Electronic transport characteristics in silicon nanotube field-effect transistors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1655-1658.	2.7	11
17278	Carbon nanotubes film based temperature sensors. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1701-1703.	2.7	72
17279	Oxygen deficient V2O5 nanorods for gas sensing. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1726-1729.	2.7	10
17280	Nonlinear vibration of a double-walled carbon nanotube embedded in a polymer matrix. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1813-1819.	2.7	20
17281	Axisymmetric buckling of the circular graphene sheets with the nonlocal continuum plate model. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 43, 1820-1825.	2.7	90
17282	Buckling of carbon nanotubes wrapped by polyethylene molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 624-627.	2.1	11
17283	Polymer blend emulsion stabilization using carbon nanotubes interfacial confinement. <i>Polymer</i> , 2011, 52, 149-156.	3.8	73
17284	High-crystallization polyoxymethylene modification on carbon nanotubes with assistance of supercritical carbon dioxide: Molecular interactions and their thermal stability. <i>Polymer</i> , 2011, 52, 472-480.	3.8	23
17285	Molecular dynamics simulations of the interactions and dispersion of carbon nanotubes in polyethylene oxide/water systems. <i>Polymer</i> , 2011, 52, 288-296.	3.8	30
17286	Electrospun-fiber induced transcrystallization of isotactic polypropylene matrix. <i>Polymer</i> , 2011, 52, 1326-1336.	3.8	39

#	ARTICLE	IF	CITATIONS
17287	Polymer/carbon nanotube composites for liquid sensing: Model for electrical response characteristics. <i>Polymer</i> , 2011, 52, 2276-2285.	3.8	58
17288	Polyethylene/carbon nanotube nano hybrid shish-kebab obtained by solvent evaporation and thin-film crystallization. <i>Polymer</i> , 2011, 52, 3633-3638.	3.8	59
17289	Effect of multi-walled carbon nanotube aspect ratio on mechanical and electrical properties of epoxy-based nanocomposites. <i>Polymer Testing</i> , 2011, 30, 548-556.	4.8	244
17290	Low-temperature synthesis of aluminum borate nanowhiskers on the surface of aluminum powder promoted by ball-milling pretreatment. <i>Powder Technology</i> , 2011, 212, 310-315.	4.2	21
17291	Characterization of Al ₂ O ₃ /CNTs composites produced by mechanical alloying. <i>Powder Technology</i> , 2011, 212, 390-396.	4.2	66
17292	Robust determination of Young's modulus of individual carbon nanotubes by quasi-static interaction with Lorentz forces. <i>Ultramicroscopy</i> , 2011, 111, 155-158.	1.9	14
17293	Manufacturing and tribological properties of copper matrix/carbon nanotubes composites. <i>Wear</i> , 2011, 270, 382-394.	3.1	76
17294	Voltammetric studies of the interaction of rutin with DNA and its analytical applications on the MWNTs-COOH/Fe ₃ O ₄ modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 615-620.	7.8	39
17295	A review on technological aspects influencing commercialization of carbon nanotube sensors. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 1-7.	7.8	131
17296	Room temperature hydrogen gas sensor nanocomposite based on Pd-decorated multi-walled carbon nanotubes thin films. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 169-176.	7.8	53
17297	A label-free amperometric immunosensor based on horseradish peroxidase functionalized carbon nanotubes and bilayer gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 388-394.	7.8	27
17298	Direct electron transfer of glucose oxidase at glassy carbon electrode modified with functionalized carbon nanotubes within a dihexadecylphosphate film. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 411-417.	7.8	88
17299	The X (X=C, Si and Ge) doped BN nanotube: A computational study. <i>Superlattices and Microstructures</i> , 2011, 50, 14-20.	3.1	6
17300	Effects of an electric field on the electronic and optical properties of zigzag boron nitride nanotubes. <i>Solid State Communications</i> , 2011, 151, 259-263.	1.9	20
17301	On the existence and stability of double-walled armchair silicon carbide nanotubes. <i>Solid State Communications</i> , 2011, 151, 430-435.	1.9	31
17302	Design and fabrication of a carbon-nanotube-based capacitor patterned on an Archimedean spiral. <i>Solid State Communications</i> , 2011, 151, 1022-1024.	1.9	2
17303	The effects of vacancy defects and nitrogen doping on the thermal conductivity of armchair (10, 10) single-wall carbon nanotubes. <i>Solid State Communications</i> , 2011, 151, 1004-1008.	1.9	17
17304	Fracture analysis of monolayer graphene sheets with double vacancy defects via MD simulation. <i>Solid State Communications</i> , 2011, 151, 1141-1146.	1.9	64

#	ARTICLE	IF	CITATIONS
17305	Activation of non-metallic substrates for metal deposition using organic solutions. Surface and Coatings Technology, 2011, 205, 3134-3140.	4.8	10
17306	Effective dispersal of CNTs in the fabrication of electrodeposited nanocomposites. Surface and Coatings Technology, 2011, 205, 4832-4837.	4.8	33
17307	Oxidative treatment of multi-wall carbon nanotubes with oxygen dielectric barrier discharge plasma. Surface and Coatings Technology, 2011, 205, 4896-4901.	4.8	48
17308	Acoustic waves of GaN nitride nanowires. Surface Science, 2011, 605, 24-31.	1.9	9
17309	The electrochemical effect of acid functionalisation of carbon nanotubes to be used in sensors development. Surface Science, 2011, 605, 435-440.	1.9	59
17310	Electronic and structural properties of armchair SWCNT/TiO ₂ (110)-(1 $\bar{1}$ 0-2) system. Surface Science, 2011, 605, 593-596.	1.9	2
17312	Crystallization kinetics and morphology studies of biodegradable poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 502 Td (succinate	2.7	32
17313	Application of derivatized magnetic materials to the separation and the preconcentration of pollutants in water samples. TrAC - Trends in Analytical Chemistry, 2011, 30, 1095-1108.	11.4	220
17314	Near-infrared fluorescence spectroscopy of single-walled carbon nanotubes and its applications. TrAC - Trends in Analytical Chemistry, 2011, 30, 1109-1119.	11.4	24
17315	The manufacture and investigation of multi-walled carbon nanotube/polypyrrole/EVA nano-polymeric composites for electromagnetic interference shielding. Thin Solid Films, 2011, 519, 4765-4773.	1.8	25
17316	Glassy carbon electrode coated with polyaniline-functionalized carbon nanotubes for detection of trace lead in acetate solution. Thin Solid Films, 2011, 519, 5280-5284.	1.8	49
17317	Amorphous and nanocrystalline silicon growth on carbon nanotube substrates. Thin Solid Films, 2011, 519, 4144-4147.	1.8	7
17318	Laterally organized carbon nanotube arrays based on hot-filament chemical vapor deposition. Thin Solid Films, 2011, 519, 4598-4602.	1.8	6
17319	Low substrate temperature synthesis of carbon nanowalls by ultrasonic spray pyrolysis. Thin Solid Films, 2011, 519, 4162-4165.	1.8	9
17320	Magnetic field enhances the graphitized structure and field emission effect of carbon nanotubes. Thin Solid Films, 2011, 519, 4166-4173.	1.8	10
17321	The effect of temperature on the growth of carbon nanotubes on copper foil using a nickel thin film as catalyst. Thin Solid Films, 2011, 519, 5371-5375.	1.8	41
17322	Electrochemical characterization of electrodeposited carbon nanotubes. Thin Solid Films, 2011, 519, 6230-6235.	1.8	2
17323	Morphology and Size of Ion Induced Carbon Nanofibers: Effect of Ion Incidence Angle, Sputtering Rate, and Temperature. Japanese Journal of Applied Physics, 2011, 50, 01AF10.	1.5	3

#	ARTICLE	IF	CITATIONS
17324	Formation of Nanofibers on the Surface of Diamond-Like Carbon Films by RF Oxygen Plasma Etching. Japanese Journal of Applied Physics, 2011, 50, 08JF12.	1.5	7
17325	Electromechanical coupling in coaxial semiconductor carbon nanotube intramolecular junctions. Europhysics Letters, 2011, 95, 37001.	2.0	0
17326	Electron spin resonance investigation of ultra-small double walled carbon nanotubes embedded in zeolite nanochannels. Journal of Physics Condensed Matter, 2011, 23, 455801.	1.8	6
17327	Measurement of Contractile Activity in Small Animal's Digestive Organ by Carbon Nanotube-Based Force Transducer. Japanese Journal of Applied Physics, 2011, 50, 030210.	1.5	2
17328	Assembling nanoparticle catalysts with nanospheres for periodic carbon nanotube structure growth. Nanotechnology, 2011, 22, 035301.	2.6	3
17329	Application of Carbon Nanotubes to Nylon Composite. Japanese Journal of Applied Physics, 2011, 50, 01AF04.	1.5	2
17330	Investigation of the Resistance Dependence on Temperature of Single Carbon Nanotube in Different Environments. Japanese Journal of Applied Physics, 2011, 50, 125101.	1.5	1
17331	One-Step Liquid-Phase Synthesis of Carbon Nanotubes with Catalyst Precursors of Organometallic Complexes. Japanese Journal of Applied Physics, 2011, 50, 01BJ11.	1.5	8
17332	Theoretical insights into the built-in electric field and band offsets of BN/C heterostructured zigzag nanotubes. Journal Physics D: Applied Physics, 2011, 44, 095405.	2.8	19
17333	Theoretical Simulation of Deformed Carbon Nanotubes with Adsorbed Metal Atoms: Enhanced Reactivity by Deformation. Japanese Journal of Applied Physics, 2011, 50, 105101.	1.5	1
17334	In-situ Crystal Structure Analysis of Cobalt Nanocompounds Synthesizing Graphite at High Temperatures. Japanese Journal of Applied Physics, 2011, 50, 015103.	1.5	1
17335	Carbon nanotube nanoelectronic devices compatible with transmission electron microscopy. Nanotechnology, 2011, 22, 245305.	2.6	7
17336	Optical and thermal stimulated luminescence in carbon nanotubes. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2011, 225, 145-147.	0.1	0
17337	Radical-controlled plasma processing for nanofabrication. Journal Physics D: Applied Physics, 2011, 44, 174027.	2.8	23
17338	Radiative lifetime measurements of some Eu I and Eu II levels by time-resolved laser spectroscopy. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 175002.	1.5	3
17339	Mobility of a 5 7 defect in carbon nanotubes. Nanotechnology, 2011, 22, 105707.	2.6	7
17340	Magnetomotive Molecular Nanoprobes. Current Medicinal Chemistry, 2011, 18, 2103-2114.	2.4	21
17341	Solubilized Carbon Nanotubes and Their Redox Chemistry. World Scientific Series on Carbon Nanoscience, 2011, , 245-269.	0.1	1

#	ARTICLE	IF	CITATIONS
17342	Carbon nanotube reinforcements for composites. , 2011, , 32-50.		1
17343	Chemistry: The trials of new carbon. Nature, 2011, 469, 14-16.	27.8	181
17344	Effect of Electric Field Alignment of MWCNT in PMMA Matrix for Hydrogen Gas Purification. , 2011, , .		1
17345	Tuning the transport properties of a (C60) ₂ bridge with electron and hole dopings. Journal of Chemical Physics, 2011, 134, 044708.	3.0	19
17346	Comparative Study of Ultimate Saturation Velocity in Zigzag and Chiral Carbon Nanotubes. , 2011, , .		1
17347	Palm Oil as the Carbon Source for the Synthesis of Carbon Nanotubes using Floating Catalysts Chemical Vapour Deposition Method. , 2011, , .		1
17348	Structure and stability of hydrogen atom adsorbed on nitrogen-doped carbon nanotubes. Journal of Physics: Conference Series, 2011, 302, 012006.	0.4	24
17349	Preparation of Functionalized Graphene Sheets. Current Organic Chemistry, 2011, 15, 1133-1150.	1.6	42
17350	Carbon arc production of heptagon-containing fullerene[68]. Nature Communications, 2011, 2, 420.	12.8	69
17351	Boron Nitride Nanotubes: Production, Properties, Biological Interactions and Potential Applications as Therapeutic Agents in Brain Diseases. Current Nanoscience, 2011, 7, 94-109.	1.2	32
17352	Heat capacity of an electron gas at the surface of a nanotube with its superlattice in a magnetic field. Low Temperature Physics, 2011, 37, 824-828.	0.6	8
17353	Routes to identification of intrinsic twist in helical MoS ₂ nanotubes by electron diffraction and annular dark-field scanning transmission electron microscopy imaging. Physical Review B, 2011, 84, .	3.2	10
17354	Phase transitions of H_{2n} adsorbed on the surface of single carbon nanotubes. Physical Review B, 2011, 84, .	3.2	11
17356	Effects of synthesis conditions on the structural features and methane adsorption properties of single-walled carbon nanohorns prepared by a gas-injected arc-in-water method. Journal of Applied Physics, 2011, 109, 124305.	2.5	9
17357	Synthesis and Physical Characterization of Carbon Nanotubes Coated by Conducting Polypyrrole. Advanced Materials Research, 2011, 364, 50-54.	0.3	4
17358	On the mechanism of carbon nanotube formation: the role of the catalyst. Journal of Physics Condensed Matter, 2011, 23, 394201.	1.8	13
17359	Graphene and graphene nanoribbons on InAs(110) and Au/InAs(110) surfaces: An <i>ab initio</i> study. Physical Review B, 2011, 84, .	3.2	7
17360	Study into the application of single-wall carbon nanotubes in isotropic conductive adhesives. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
17361	Influence of MWNT on Polypropylene and Polyethylene Photooxidation. Macromolecular Symposia, 2011, 301, 16-22.	0.7	15
17363	Deformation behaviors of an armchair boron-nitride nanotube under axial tensile strains. Journal of Applied Physics, 2011, 110, .	2.5	53
17364	High-order harmonic generation in carbon-nanotube-containing plasma plumes. Physical Review A, 2011, 83, .	2.5	63
17365	Effects of Carbon Nanotube Functionalization on the Mechanical Properties of Vinyl Ester Composites. Advanced Materials Research, 0, 233-235, 2315-2318.	0.3	1
17366	Polymer nanocomposites reinforced with C ₆₀ fullerene: effect of hydroxylation. Journal of Composite Materials, 2011, 45, 2595-2601.	2.4	17
17367	Determination of volatile organic compounds in environmental water samples using three solid-phase microextraction fibers based on sol-gel technique with gas chromatography-flame ionization detector. Analytical Methods, 2011, 3, 1877.	2.7	30
17368	Effect of titanium interlayer on the microstructure and electron emission characteristics of multiwalled carbon nanotubes. Journal of Applied Physics, 2011, 110, .	2.5	17
17369	Analysis of Capillary Condensation of Vapor in Multi-Wall Carbon Nanotubes. Key Engineering Materials, 0, 483, 694-698.	0.4	0
17370	Electronic structure of a 4-Å-diameter carbon nanotube placed on a patterned hydrogen-terminated Si(001):3Å—1 surface and the effect of electric field. Physical Review B, 2011, 83, .	3.2	1
17371	Structural and mechanical properties of partially unzipped carbon nanotubes. Physical Review B, 2011, 83, .	3.2	28
17372	Enhanced Eshelby Twist on Thin Wurtzite InP Nanowires and Measurement of Local Crystal Rotation. Physical Review Letters, 2011, 107, 195503.	7.8	29
17373	Multiwalled Carbon Nanotube/Polysulfone Composites. Journal of Thermoplastic Composite Materials, 2011, 24, 499-515.	4.2	14
17374	Influence of catalyst thickness and temperature gradient on MWCNT growth and morphology in TCVD process. , 2011, , .		1
17375	Electronics Properties of Single-Walled Twisted Carbon Nanotubes. , 2011, , .		0
17376	Effect of Coating Time and Temperature on Electroless Deposition of Cobalt-Phosphorous for the Growth of Carbon Nanotubes on the Surface of E-Glass Fibers/Fabric. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 373-397.	2.1	22
17377	Growth characteristics of carbon nanotubes by DC-PCVD. , 2011, , .		0
17378	Electrostatically Functionalized Multiwalled Carbon Nanotube/PMMA Composite Thin Films for Organic Vapor Detection. Polymer-Plastics Technology and Engineering, 2011, 50, 1179-1184.	1.9	23
17380	Dispersion of carbon nanotubes by chitosan and its cytotoxicity. , 2011, , .		0

17382	Hydrogen sorption and radial thermal expansion of bundles of single-walled nanotubes irradiated by γ -rays in hydrogen atmosphere. Low Temperature Physics, 2011, 37, 589-594.	0.6	14
17383	Molecular dynamics evaluation of mechanical properties of carbon nanotubes with number of Stone-Wales defects. , 2011, , .		1
17384	Preparation and electrochemical properties of MnO ₂ nanosheets attached to Au nanoparticles on carbon nanotubes. Dalton Transactions, 2011, 40, 2332-2337.	3.3	42
17385	Theoretical Study of the Relationship Between Wiener, Padmakar-Ivan, and Szeged Topological Indices in Contrast to Energy, Electric Moments and Partition Coefficient of Armchair Polyhex Carbon Nanotubes with Various Circumference and Fixed Lengths. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 550-563.	2.1	0
17386	Hybrid EM/circuit modeling for carbon nanotubes based interconnects. , 2011, , .		3
17387	Finite element modeling of two different CNT/polymer composites: CNT/PMMA and CNT/PmPV. , 2011, , .		2
17389	Carbon Nanotubes with Uniform Wall Thickness Synthesized Via a Solid-Liquid Reaction. Advanced Materials Research, 0, 194-196, 442-445.	0.3	0
17390	A study on the electric property of buckypaper by eddy current testing. , 2011, , .		0
17391	Assembling, patterning and application of carbon nanotube: From research to commercialization. , 2011, , .		0
17392	Synthesis of single and multi unit-wall MgB ₂ nanotubes by arc plasma in inert liquid via self-curling mechanism. Journal of Applied Physics, 2011, 109, 034302.	2.5	9
17393	Dispersion corrections in the boron buckyball and nanotubes. Applied Physics Letters, 2011, 98, 261906.	3.3	18
17394	One-dimensional alkali-dopedC ₆₀ chains encapsulated in BN nanotubes. Physical Review B, 2011, 83, .	3.2	2
17396	Role of the van der Waals forces in the ability of a double-walled carbon nanotube to accommodate a C ₆₀ molecule: The example of C ₆₀ @C ₆₀ . Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 564-570.	3.2	7
17397	Direct Observation of Band-Gap Closure for a Semiconducting Carbon Nanotube in a Large Parallel Magnetic Field. Physical Review Letters, 2011, 106, 096802.	7.8	11
17398	Ammonia Adsorption on SiC Nanotubes: A Density Functional Theory Investigation. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 289-299.	2.1	21
17399	γ -iron facet with enhanced carbon mobility. Physical Review B, 2011, 83, .	3.2	4
17401	Origin of the n-type transport behavior of azafullerene encapsulated single-walled carbon nanotubes. Applied Physics Letters, 2011, 99, 053105.	3.3	4

#	ARTICLE	IF	CITATIONS
17403	X-band characterization of multi-walled carbon nanotube films. , 2011, , .		1
17404	Isospectral but physically distinct: Modular symmetries and their implications for carbon nanotube. Physical Review B, 2011, 84, .	3.2	4
17406	Direct Measurement of the Friction between and Shear Moduli of Shells of Carbon Nanotubes. Physical Review Letters, 2011, 107, 206101.	7.8	9
17408	Geometrical interpretation and curvature distribution in nanocarbons. Journal of Applied Physics, 2011, 109, .	2.5	19
17409	Spectral functions of two-band spinless fermion and single-band spin- $\frac{1}{2}$ fermion models. Physical Review B, 2011, 84, .	3.2	12
17410	Control of density of self-organized carbon nanotube arrays by catalyst pretreatment through plasma immersion ion implantation. Journal of Applied Physics, 2011, 110, 094303.	2.5	1
17411	Effect of the position of constriction on water permeation across a single-walled carbon nanotube. Physical Review E, 2011, 83, 061913.	2.1	6
17412	Quantum phenomena in the radial thermal expansion of bundles of single-walled carbon nanotubes doped with ^3He . A giant isotope effect. Low Temperature Physics, 2011, 37, 544-546.	0.6	5
17413	Effects of interwall interaction on the electrical conductance at the junction between a double-walled carbon nanotube and copper electrodes. Applied Physics Letters, 2011, 98, 172103.	3.3	6
17414	Jastrow-correlated wave functions for flat-band lattices. Physical Review B, 2011, 83, .	3.2	8
17415	Electrochemical Impedance Spectroscopic Study of Polythiophenes on Carbon Materials. Polymer-Plastics Technology and Engineering, 2011, 50, 1130-1148.	1.9	28
17416	Carbon nanotube-induced macroscopic helical twist in an achiral nematic liquid crystal. Journal of Applied Physics, 2011, 109, 083518.	2.5	38
17417	Collective excitations of electron gas on the nanotube surface in a magnetic field. Low Temperature Physics, 2011, 37, 919-924.	0.6	6
17418	Dependence of carbon nanotube field effect transistors performance on doping level of channel at different diameters: On/off current ratio. Applied Physics Letters, 2011, 99, .	3.3	13
17419	Schottky barriers in carbon nanotube-metal contacts. Journal of Applied Physics, 2011, 110, .	2.5	162
17420	A tuning fork based wide range mechanical characterization tool with nanorobotic manipulators inside a scanning electron microscope. Review of Scientific Instruments, 2011, 82, 035116.	1.3	26
17421	Multiple negative differential resistance and the modulation in a nanotubelike fullerene D5h(1)-C90. Applied Physics Letters, 2011, 98, 163107.	3.3	6
17422	Notice of Retraction: Dye Decolorization and Dissolved Oxygen Properties of Sodium Alginate/Carbon Nanotubes Microsphere. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
17423	A carbon nanotube gas sensor using CMOS-based platform. , 2011, , .		2
17424	Ab Initio Study of Absorption Spectra in Ultra Small Diameter Single Walled Boron Nanotubes. Advanced Materials Research, 2011, 217-218, 16-20.	0.3	0
17425	WS ₂ ; Nanotubes Prepared by Aluminum Oxide Template. Materials Science Forum, 0, 694, 370-374.	0.3	2
17426	Carbon Nanotubes Containing Metal Nanoparticles-Graft-Hyperbranched Polyglycerols Nanocomposites. Advanced Materials Research, 0, 284-286, 360-364.	0.3	0
17427	The Anomalous Photoluminescence and Thermally Stimulated Luminescence from Carbon Nanotubes. Materials Science Forum, 0, 700, 116-119.	0.3	1
17428	Immobilization of Horseradish Peroxidase on TiO ₂ ; Nanotube Arrays via Seeded-Growth Synthesis. Advanced Materials Research, 0, 415-417, 491-494.	0.3	0
17430	Compressive dynamic scission of carbon nanotubes under sonication: fracture by atomic ejection. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 1270-1289.	2.1	24
17431	Hydrogen Storage of Carbon Nanotubes: Theoretical Studies. Advanced Materials Research, 0, 179-180, 722-727.	0.3	1
17432	Effects of Synthesis Parameters on the Preparation of Carbon Nanofibers by Ethanol Catalytic Combustion. Advanced Materials Research, 0, 264-265, 843-848.	0.3	0
17433	Study on Nano-SiO ₂ Measured by Atomic Force Microscope. Advanced Materials Research, 2011, 399-401, 2130-2133.	0.3	0
17434	Growth of Carbon Nanotubes in Calcium Phosphate Matrix with Different Ca/P Molar Ratio. Materials Science Forum, 0, 688, 141-147.	0.3	2
17435	Wear Behavior of ZrO ₂ -CNF and Si ₃ N ₄ -CNT Nanocomposites. Key Engineering Materials, 0, 465, 495-498.	0.4	16
17436	Carbon Nanotubes with Special Structure from the Pyrolysis Flame. Advanced Materials Research, 2011, 261-263, 909-912.	0.3	0
17437	Effect of Temperature on the Growth of Vertically Aligned Carbon Nanotubes from Palm Oil. Defect and Diffusion Forum, 0, 312-315, 900-905.	0.4	13
17438	Molecular Dynamics Simulation on the Tension Deformation of Carbon Nanotubes. Materials Science Forum, 0, 697-698, 487-490.	0.3	0
17439	The Effect of Nanotube Specifications on Multi-Scale Modeling of Nanocomposites. Applied Mechanics and Materials, 0, 110-116, 1237-1244.	0.2	1
17440	Synthesis, Characterization and Optical Properties of a Novel Piperazine Derivative Microcrystal. Advanced Materials Research, 0, 194-196, 708-711.	0.3	0
17441	Electrical Conducting Diamond Thin-Films: An Alternative Counter Electrode Material for Dye Sensitized Solar Cells. Materials Research Society Symposia Proceedings, 2011, 1282, 155.	0.1	2

#	ARTICLE	IF	CITATIONS
17442	Growth of Carbon Nanomaterials on Granular Activated Carbon. Advanced Materials Research, 0, 264-265, 535-541.	0.3	4
17443	Cytotoxicity of Single-Walled Carbon Nanotubes with Human Ocular Cells. Advanced Materials Research, 0, 287-290, 32-36.	0.3	8
17444	Temperature Effects on the Preparation of Multi-Walled Carbon Nanotubes by Floating Catalytic Chemical Vapor Deposition. Advanced Materials Research, 2011, 264-265, 837-842.	0.3	0
17445	Constitutive Equations for Graphene Based on Anisotropic Theory. Advanced Materials Research, 0, 314-316, 1268-1272.	0.3	0
17446	Development of a Polyurethane Nanocomposite Reinforced with Carbon Nanotube Composite Nanofibers. Materials Science Forum, 2011, 688, 41-44.	0.3	5
17447	Functionalization of Multiwalled Carbon Nanotubes by Poly (Ethylene Glycol) and Non-Isothermal Crystallization Kinetic Study. Materials Science Forum, 2011, 688, 127-134.	0.3	0
17448	First-Principles Study of Adsorption Properties of NO ₂ on Boron-Doped Silicon Carbide Nanotube. Materials Science Forum, 2011, 675-677, 1015-1018.	0.3	1
17449	Carbon Nanofibers Preparation Using Carbon Monoxide from the V-Type Pyrolysis Flame. Materials Science Forum, 2011, 688, 6-10.	0.3	0
17450	The Effect of CH ₄ and CO ₂ Exposure on Carbon Nanotubes Electrical Resistance. Advanced Materials Research, 2011, 214, 655-661.	0.3	1
17451	Synthesis of Hollow Carbon Hemispheres in the Magnesium Carbonate-Metallic Li System with the Help of CHBr ₃ . Advanced Materials Research, 0, 266, 106-109.	0.3	0
17452	Effect of Surfactants on the Dispersion of Multi-Walled Carbon Nanotubes in Epoxy Resin. Advanced Materials Research, 0, 221, 1-7.	0.3	3
17453	Piezoresistive Effect of Multi-Wall Carbon Nanotube Reinforced Epoxy Resin Coating. Advanced Materials Research, 2011, 266, 196-199.	0.3	0
17454	Rapid Detection of Copper by the Carbon Nanotube Chemically Modified Electrode. Materials Science Forum, 0, 688, 255-259.	0.3	0
17455	Synthesis of Mesoporous Silica Nanotube Bundles. Advanced Materials Research, 2011, 233-235, 2375-2378.	0.3	0
17456	Catalyst Study for Carbon Nanotubes Synthesis by Flame. Advanced Materials Research, 0, 213, 562-565.	0.3	1
17457	Electronic Properties of Boron Nanotubes under Uniaxial Strain: a DFT study. Chinese Physics Letters, 2011, 28, 087103.	3.3	2
17458	Dispersion of Single-Walled Carbon Nanotubes in Water by a Conjugated Surfactant. Advanced Materials Research, 0, 415-417, 562-565.	0.3	1
17459	Influence of Treatment of Hydrogen Plasma on Field Emission Properties of Carbon Nanotubes Films. Advanced Materials Research, 2011, 306-307, 1170-1173.	0.3	0

#	ARTICLE	IF	CITATIONS
17460	Design Parameters for a Two-State Nanomemory Device. Materials Science Forum, 2011, 700, 85-88.	0.3	3
17461	CH ₄ and CO ₂ Detection by Using Carbon Nanotube-Based Sensors. Advanced Materials Research, 2011, 214, 482-489.	0.3	5
17462	Electrical Conductivity and Electromagnetic Interference Shielding Effectiveness of Multiwalled Carbon Nanotubes Filled ABS Composites. Advanced Materials Research, 0, 194-196, 1554-1557.	0.3	7
17463	Nanotechnology under the skin. Nanotechnology, 2011, 22, 260201-260201.	2.6	9
17464	Structural transformation of graphite by arc-discharge. Philosophical Magazine, 2011, 91, 2355-2363.	1.6	12
17465	Thermal Properties of Graphene and Carbon Based Materials: Prospects of Thermal Management Applications. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	1
17466	Synthesis and Photoelectrochemical Properties of Self-Organized Anodic TiO ₂ Nanotube Arrays. Advanced Materials Research, 0, 219-220, 1329-1332.	0.3	0
17467	The Electronic Properties of Al-, P-Doped and Al, P Co-Doped Boron Nitride Nanotubes. Advanced Materials Research, 2011, 399-401, 2215-2221.	0.3	0
17468	Effects of Different Pore-Extending Methods on Morphology of Anodic Aluminium Oxide Templates. Advanced Materials Research, 2011, 282-283, 461-465.	0.3	0
17469	Study on the Electromagnetic-Protective Specialty of Carbon Nanotubes. Advanced Materials Research, 0, 403-408, 4421-4425.	0.3	0
17470	Synthesis of Carbon Nanotubes with Typical Structure from the Pyrolysis Flame. Advanced Materials Research, 0, 221, 99-103.	0.3	2
17471	Stabilization of unstable CGC+ triplex DNA by single-walled carbon nanotubes under physiological conditions. Nucleic Acids Research, 2011, 39, 6835-6843.	14.5	22
17472	Detection Trace Copper by Carbon Nanotube Chemically Modified Electrode via Flame Synthesis. Materials Science Forum, 0, 688, 37-40.	0.3	0
17473	Surface treatment of carbon nanotubes via plasma technology. , 2011, , 25-54.		3
17474	Raman spectroscopy of polymer-carbon nanotube composites. , 2011, , 400-427.		6
17475	Novel Method: Coral Like Structure of Align Carbon Nanotubes (A-CNTs) on Porous Silicon Template (PSiT) without Catalyst; Green Approach. Advanced Materials Research, 0, 364, 222-227.	0.3	2
17476	A Study on Mechanism of Tribological Behavior of Carbon Nanotubes. Advanced Materials Research, 0, 306-307, 1444-1449.	0.3	1
17477	A Simple Method to Disperse Carbon Nanotubes by Shearing Process. Advanced Materials Research, 0, 335-336, 255-259.	0.3	0

#	ARTICLE	IF	CITATIONS
17478	Facile Synthesis of Pure Boron Nanotubes and Nanofibers. Materials Research Society Symposia Proceedings, 2011, 1307, 1.	0.1	5
17479	Ar Plasma Modified Multiwalled Carbon Nanotubes/NiFe ₂ O ₄ /Polyimide Nanocomposites. Advanced Materials Research, 0, 399-401, 394-398.	0.3	0
17480	4-Substituted Benzoic Acids Functionalized Multi-Walled Carbon Nanotubes in Mild Polyphosphoric Acid/Phosphorous Pentoxide. Advanced Materials Research, 2011, 217-218, 768-773.	0.3	3
17481	Carbon Nanotube Evolution in Aluminum Matrix during Composite Fabrication Process. Materials Science Forum, 0, 690, 294-297.	0.3	33
17482	Effects of Temperature for Carbon Nanotubes Synthesis. Advanced Materials Research, 2011, 213, 572-575.	0.3	0
17483	Optimization of Synthesis Condition for Carbon Nanotubes by Catalytic Chemical Vapor Deposition (CCVD). IOP Conference Series: Materials Science and Engineering, 2011, 17, 012003.	0.6	7
17484	Effect of Wet Oxidation on the Dispersion and Electrical Properties of Multi-Walled Carbon Nanotubes/Epoxy Nanocomposites. Key Engineering Materials, 0, 471-472, 162-166.	0.4	2
17485	Electronic Transport Properties of SiC Nanotube with Antisite Defect. Applied Mechanics and Materials, 0, 110-116, 5495-5499.	0.2	0
17486	Bonding horizontal aligned carbon nanotubes with a high-frequency electromagnetic induction heating method. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2011, 225, 165-169.	0.1	0
17487	Influence of Temperature for Synthesis of Carbon Nanofibers from the V-Type Pyrolysis Flame. Advanced Materials Research, 0, 194-196, 402-406.	0.3	0
17488	Preparation and Characterization of Carbon Nanotube-Based Electrochromic Material. Advanced Materials Research, 2011, 364, 338-343.	0.3	0
17489	Polycarbosilane-derived silicon carbide-functionalized multi-walled carbon nanotubes and influence on the polyethersulfone nanocomposites. Journal of Composite Materials, 2011, 45, 2225-2236.	2.4	0
17490	Carbon Nanotubes-Doped Glassy Carbon Ceramic Composite Electrode and its Electrocatalytic Reduction of Nitrite. Advanced Materials Research, 2011, 306-307, 1215-1220.	0.3	1
17491	Buckling Behaviors of Imperfect Single-Walled Carbon Nanotubes: A Molecular Dynamic Simulation. Applied Mechanics and Materials, 0, 110-116, 3831-3837.	0.2	0
17492	The Synthesis of CNTs over Hydroxyapatite by CVD and the Preparation of CNTs/HA & in Situ Composite. Materials Science Forum, 0, 704-705, 790-795.	0.3	0
17493	Growth and Characterization of Self-Assembled Boron Carbon Nitride Needle-Like Nanostructures. Advanced Materials Research, 0, 216, 723-727.	0.3	1
17494	Effect of Hydrogen on V-Type Pyrolysis Flame Synthesis of Carbon Nanotubes. Advanced Materials Research, 0, 221, 545-549.	0.3	0
17495	Flame Synthesis of Carbon Nanotubes and Nanocapsules. Materials Science Forum, 0, 688, 116-121.	0.3	3

#	ARTICLE	IF	CITATIONS
17496	Effect of Reaction Temperature on Carbon Nanotubes. Advanced Materials Research, 0, 306-307, 1383-1386.	0.3	1
17497	Influence of Ammonia on the Fabrication of Aligned Carbon Nanotubes Using Thermal CVD. Key Engineering Materials, 0, 467-469, 312-315.	0.4	0
17498	Experimental characterization of dielectric properties of carbon nanotube networks. International Journal of Microwave and Wireless Technologies, 2011, 3, 465-475.	1.9	0
17499	Effects of the CNT on the Preparation and Electrochemical Performances of the CNT / PANI Hollow Sphere Composite. Materials Science Forum, 0, 687, 61-64.	0.3	1
17500	First-principles study of metallic carbon nanotubes with boron/nitrogen co-doping. Chinese Physics B, 2011, 20, 017103.	1.4	11
17501	Hydrogen Storage Capacity of C 120 Nanocapsules: Density Functional Theory Based Treatments. Communications in Theoretical Physics, 2011, 55, 519-526.	2.5	1
17502	Effect of Processing on the Dispersion of CNTs in Al-Nanocomposites. Advanced Materials Research, 0, 239-242, 759-763.	0.3	1
17503	Single-fullerene manipulation inside a carbon nanotube. Proceedings of SPIE, 2011, , .	0.8	0
17504	Electrical Properties of Carbon Nanotubes Cement Composites for Monitoring Stress Conditions in Concrete Structures. Applied Mechanics and Materials, 0, 82, 118-123.	0.2	88
17505	Comparative Performance Study of Multi-stage Interconnection Networks Using Carbon Nanotube Switches. , 2011, , .		0
17506	Influence of Catalyst for Synthesis of Carbon Nanofibers from the Flame. Advanced Materials Research, 0, 236-238, 1658-1661.	0.3	0
17507	Lab on fiber technology and related devices, part I: a new technological scenario; Lab on fiber technology and related devices, part II: the impact of the nanotechnologies. Proceedings of SPIE, 2011, , .	0.8	10
17508	Preparation of C/Cu Composite Powders by High-Energy Ball Milling. Applied Mechanics and Materials, 0, 121-126, 1049-1052.	0.2	0
17509	Study on the Chemical Modification of the Walls of Carbon Nanotubes by $K_{2}Cr_{2}O_{7}$ and HNO_{3} . Advanced Materials Research, 2011, 197-198, 571-574.	0.3	2
17510	Measurements of Thermoelectric Behavior and Microstructure of Carbon Nanotubes/Carbon Fiber-Cement Based Composite. Key Engineering Materials, 0, 492, 242-245.	0.4	12
17511	Preparation of Homogeneous Carbon Nano Particles Using Zeolite. Advanced Materials Research, 0, 239-242, 3086-3089.	0.3	0
17512	Influence Analysis of Sampling Time for Synthesis of Carbon Nanotubes in the V-Type Pyrolysis Flame. Advanced Materials Research, 0, 221, 235-239.	0.3	1
17513	Synthesis of Carbon Nanotubes, Carbon Spheres and Slices of Vertically Aligned Multi-Walled Carbon Nanotubes. Advanced Materials Research, 2011, 306-307, 1325-1329.	0.3	0

#	ARTICLE	IF	CITATIONS
17514	Spinning yarn from long carbon nanotube arrays. Journal of Materials Research, 2011, 26, 645-651.	2.6	70
17515	Effect of Reaction Temperature on the Morphology of Carbon Nanofibers. Advanced Materials Research, 2011, 306-307, 1247-1251.	0.3	0
17516	Buckling and Vibration of Carbon Nanotubes Embedded in Polyethylene Polymers. Applied Mechanics and Materials, 2011, 148-149, 1016-1020.	0.2	0
17517	Preparation of C/Cu Composite Powders by High-Energy Ball-Milling. Defect and Diffusion Forum, 0, 319-320, 61-63.	0.4	1
17518	Preparation of Amorphous Silicon Oxide Nanowires by the Thermal Heating of Ni or Au-Coated Si Substrates. Applied Mechanics and Materials, 0, 110-116, 1087-1093.	0.2	1
17519	Fabrication of (GOx/Pt-DENs)/CNTs Nanocomposite and their Electrochemical Properties for Anode in Biofuel Cell. Advanced Materials Research, 0, 239-242, 3225-3230.	0.3	0
17520	Effect of Temperature on the Electrical and Gas Sensing Properties of Polyaniline and Multiwall Carbon Nanotube Doped Polyaniline Composite Thin Films. Advanced Materials Research, 0, 254, 167-170.	0.3	2
17521	A New Immunosensor for Serum Myeloperoxidase Based on Self-Assembly of Multi-Walled Carbon Nanotubes/Thionine/Gold Nanoparticles-Chitosan. Advanced Materials Research, 0, 343-344, 1207-1211.	0.3	2
17522	Optical Studies on Multiwalled Carbon Nanotubes via Modified &Wolff-Kishner& Reduction Process. Advanced Materials Research, 0, 194-196, 618-624.	0.3	4
17523	The Improvement of Mechanical Properties of Polyurethane Coating by Multi-Walled Carbon Nanotubes. Advanced Materials Research, 0, 236-238, 2063-2066.	0.3	5
17524	Properties of Multi-Walled Carbon Nanotube / Polymethyl Methacrylate Nanocomposite Prepared via a Modified Coagulation Method. Advanced Materials Research, 0, 341-342, 199-203.	0.3	0
17525	Molecular Dynamics Deformation Simulation of Carbon Nanotube Probes. Advanced Materials Research, 2011, 301-303, 80-86.	0.3	0
17526	Preparation and Characterization of Multiwalled Carbon Nanotubes Deposited by Europium Hydroxide. Advanced Materials Research, 0, 418-420, 428-435.	0.3	0
17527	New Dynamic Air-Brush Technique for SWCNTs Deposition: Application to Fabrication of CNTFETs for Electronics and Gas Sensing. Materials Research Society Symposia Proceedings, 2011, 1283, 1.	0.1	1
17528	Colloidal Polystyrene-Carbon Nanotubes as Water-Based Lubricant Additive. Advanced Materials Research, 0, 228-229, 253-258.	0.3	0
17529	Study of Poly(Acrylic Acid)-Carbon Nanotube Self-Assembly Films. Designed Monomers and Polymers, 2011, 14, 347-352.	1.6	2
17530	Thermomechanical and rheological behaviour of polymer nanocomposites based on ethylene-methyl acrylate (EMA) and multiwalled carbon nanotube (MWNT). Plastics, Rubber and Composites, 2011, 40, 213-222.	2.0	4
17531	Nonlinear Vibrations of Multiwalled Carbon Nanotubes under Various Boundary Conditions. International Journal of Differential Equations, 2011, 2011, 1-17.	0.8	4

#	ARTICLE	IF	CITATIONS
17532	The development of luminance uniformity measurement for CNT-BLU based on human visual perception. Journal of the Chinese Institute of Industrial Engineers, 2011, 28, 179-191.	0.5	5
17533	Nanotechnology and Solar Energy. International Journal of Photoenergy, 2011, 2011, 1-2.	2.5	5
17534	Evaluation of Acetylcholinesterase Biosensor Based on Carbon Nanotube Paste in the Determination of Chlorphenvinphos. International Journal of Analytical Chemistry, 2011, 2011, 1-6.	1.0	14
17535	Prospects of Nanobiomaterials for Biosensing. International Journal of Electrochemistry, 2011, 2011, 1-30.	2.4	53
17536	Field Emission and Magnetic Properties of Free-Standing Gd Silicide Nanowires Prepared by Reacting Ultrahigh Vacuum Deposited Gd Films with Well-Aligned Si Nanowires. Journal of the Electrochemical Society, 2011, 158, K64.	2.9	6
17537	Thermal degradation of polymer-carbon nanotube composites. , 2011, , 482-510.		9
17538	Continuous synthesis of multiwalled carbon nanotubes from xylene using the swirled floating catalyst chemical vapor deposition technique. Journal of Materials Research, 2011, 26, 640-644.	2.6	20
17539	Solubilization of functionalized (5, 5) single-walled carbon nanotubes in 5CB nematic liquid crystals: simulation using Flory-Huggins theory. Modelling and Simulation in Materials Science and Engineering, 2011, 19, 025006.	2.0	2
17540	Comparative Proteomics and Pulmonary Toxicity of Instilled Single-Walled Carbon Nanotubes, Crocidolite Asbestos, and Ultrafine Carbon Black in Mice. Toxicological Sciences, 2011, 120, 123-135.	3.1	103
17541	Studies on Adsorption of Tyrosine on Multi-Wall Carbon Nanotubes. Advanced Materials Research, 2011, 179-180, 1396-1401.	0.3	0
17542	Influence of arc duration time on the synthesis of carbon nanohorns by a gas-injected arc-in-water system: application to polymer electrolyte fuel cell electrodes. Plasma Sources Science and Technology, 2011, 20, 034002.	3.1	9
17543	A Facile Method for Synthesizing TiO ₂ Sea-Urchin-Like Structures and Their Applications in Solar Energy Harvesting. Chinese Physics Letters, 2011, 28, 078103.	3.3	5
17544	Realizing the full nanofiller enhancement in melt-spun fibers of poly(vinylidene fluoride)/carbon nanotube composites. Nanotechnology, 2011, 22, 355707.	2.6	28
17545	Material properties and effective work function of reactive sputtered TaN gate electrodes. Journal of Semiconductors, 2011, 32, 053005.	3.7	0
17546	Results from radiating divertor experiments with RMP ELM suppression and mitigation. Nuclear Fusion, 2011, 51, 073003.	3.5	19
17547	Carbon Nanofiber-Based Nanocomposites for Biosensing. Biological and Medical Physics Series, 2011, , 147-170.	0.4	1
17548	Synthesis of Carbon/Carbon Core/Shell Nanofibers by Co-Pyrolysis of Tetrahydrofuran and Ferrocene. Advanced Materials Research, 2011, 306-307, 1211-1214.	0.3	1
17549	Enhanced Electron Field Emission from Carbon Nanotube Matrices. Materials Research Society Symposia Proceedings, 2011, 1283, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
17550	Theoretical calculations of thermophysical properties of single-wall carbon nanotube bundles. Chinese Physics B, 2011, 20, 056501.	1.4	6
17551	Tetra-(N-Phenylpyrazole)-Porphyrin/ β -Cyclodextrin Incorporated CNT Film Modified Hemoglobin Sensor. Advanced Materials Research, 0, 239-242, 2831-2834.	0.3	2
17552	The Effects of Different Defects on Vibration Properties of Single-Walled Carbon Nanotubes. Advanced Materials Research, 2011, 225-226, 1133-1136.	0.3	5
17553	Voltammetric Determination of Acetaminophen in the Presence of Codeine and Ascorbic Acid at Layer-by-Layer MWCNT/Hydroquinone Sulfonic Acid-Overoxidized Polypyrrole Modified Glassy Carbon Electrode. International Journal of Electrochemistry, 2011, 2011, 1-10.	2.4	12
17554	Molecular Engineering of Nonplanar Porphyrin and Carbon Nanotube Assemblies: A Linear and Nonlinear Spectroscopic and Modeling Study. Journal of Nanotechnology, 2011, 2011, 1-12.	3.4	67
17555	From PAHs to Solid Carbon. EAS Publications Series, 2011, 46, 293-304.	0.3	20
17556	Preparation and Electrical Properties of Aligned Carbon Nanotubes/Epoxy Resin Composites Induced by a Low Magnetic Field. Advanced Materials Research, 0, 189-193, 1340-1343.	0.3	1
17557	Viscoelastic Properties of Multi Walled Carbon Nanotube/Epoxy Composites at the Different Nanotube Content. Journal of Nano Research, 2011, 13, 33-39.	0.8	5
17558	Improvement on Mechanical and Piezoresistivity Properties of Cementitious Binder by Using Surface Oxidized Multi-Wall Carbon Nanotubes. Key Engineering Materials, 2011, 483, 548-551.	0.4	0
17559	Effect of Hydroxyapatite Matrix on the Growth of Carbon Nanotubes via a CVD System. Materials Science Forum, 2011, 685, 335-339.	0.3	4
17560	Controlled Growth and Supercapacitive Behaviors of CVD Carbon Nanotube Arrays. Materials Science Forum, 2011, 688, 11-18.	0.3	2
17561	Un-Bundled Carbon Nanotubes Reinforced Light Metal Composites via Powder Metallurgy Route. Materials Science Forum, 2011, 690, 339-342.	0.3	0
17562	The Synthesis of Nitrogen Doped Carbon Nanotube with Different Catalyst. Materials Science Forum, 0, 694, 266-269.	0.3	3
17563	On the Formation of SWCNTs and MWCNTs by Arc-Discharge in Aqueous Solutions: The Role of Iron Charge and Counter Ions. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 317-328.	2.1	1
17564	Synthesis Mechanism of Flame Synthesized Deformity Carbon Nanotubes. Materials Science Forum, 0, 688, 122-126.	0.3	0
17565	Microwave characterization of vertically aligned multiwalled carbon nanotube arrays. Applied Physics Letters, 2011, 98, .	3.3	30
17567	Nanotechnology Enabled In situ Sensors for Monitoring Health. , 2011, , .		8
17568	Preparation and properties of PLA/long alkyl chain modified multi-walled carbon nanotubes nanocomposites. Journal of Polymer Engineering, 2011, 31, .	1.4	5

#	ARTICLE	IF	CITATIONS
17569	Effect of Loading Concentration on the Electrical and Hardness Properties of MWCNT/Epoxy Nanocomposites. Key Engineering Materials, 0, 471-472, 157-161.	0.4	0
17570	Solid-Liquid Interface. Interface Science and Technology, 2011, , 147-252.	3.3	17
17571	Investigation on the modification to polyurethane by multi-walled carbon nanotubes. Pigment and Resin Technology, 2011, 40, 240-246.	0.9	9
17572	Development of the Thermal Flash Method for Characterization of Carbon Nanofibers. , 2011, , .		2
17573	Morphological templating of metastable calcium carbonates by the amino acid leucine. Journal of Physics: Conference Series, 2011, 286, 012030.	0.4	5
17574	Influence of Dispersion and Alignment of Nanotubes on the Strength and Elasticity of Carbon Nanotubes Reinforced Composites. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	5
17575	On New Aspects of Nested Carbon Nanotubes as Gigahertz Oscillators. Journal of Vibration and Acoustics, Transactions of the ASME, 2011, 133, .	1.6	31
17576	Composites of poly(ethylene terephthalate) and multi-walled carbon nanotubes. , 2011, , 545-586.		3
17577	Effect of Pinhole Defects on the Elasticity of Carbon Nanotube Based Nanocomposites. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	3
17578	Effective Stiffness and Effective Mass of the Double-Walled Carbon Nanotube Sensor. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	4
17579	The Unravelling of Open-Ended Single Walled Carbon Nanotubes Using Molecular Dynamics Simulations. Journal of Electronic Packaging, Transactions of the ASME, 2011, 133, .	1.8	10
17580	Continuum Modeling of van der Waals Interaction Force Between Carbon Nanocones and Carbon Nanotubes. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	12
17581	Vibration of Double-Walled Carbon Nanotube-Based Mass Sensor via Nonlocal Timoshenko Beam Theory. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	14
17582	Possible Growth Region of Single-Walled Carbon Nanotube in CVD Synthesis on the CHO Components Diagram. , 2011, , .		0
17583	Experimental investigation of road snow-melting based on CNFP self-heating concrete. , 2011, , .		4
17584	Study on preparation and performance of epoxy/multi-walled carbon nanotube composites. , 2011, , .		0
17586	Recent Progress in Synthesis, Vibrational Characterization and Applications Trend of Conjugated Polymers/Carbon Nanotubes Composites. Current Organic Chemistry, 2011, 15, 1160-1196.	1.6	16
17587	Syntheses of Carbon Nanomaterials by Ferrocene. Current Organic Chemistry, 2011, 15, 3653-3666.	1.6	15

#	ARTICLE	IF	CITATIONS
17588	Effects of uniaxial strain on quantum conductance of finite zigzag single wall carbon nanotubes. Proceedings of SPIE, 2011, , .	0.8	1
17589	Nonlinear Dynamic Analysis of Single-Walled Carbon Nanotube Based Mass Sensor. Journal of Nanotechnology in Engineering and Medicine, 2011, 2, .	0.8	8
17590	Evolution of ZnO nanoparticles and nanorods: aspect ratio dependent optoelectronic properties. EPJ Applied Physics, 2011, 53, 10602.	0.7	11
17591	Novel capacitance-type humidity sensor based on multi-wall carbon nanotube/SiO ₂ composite films. Journal of Semiconductors, 2011, 32, 034006.	3.7	4
17592	Boron/nitrogen pairs Co-doping in metallic carbon nanotubes: a first-principle study. Chinese Physics B, 2011, 20, 027102.	1.4	7
17593	Improving the field-emission properties of carbon nanotubes by magnetically controlled nickel-electroplating treatment. Chinese Physics B, 2011, 20, 128502.	1.4	6
17595	The effect of the surface modification of carbon nanotubes on their dispersion in the epoxy matrix. Polish Journal of Chemical Technology, 2011, 13, 62-69.	0.5	14
17596	A VARIATIONAL PRINCIPLE APPROACH FOR BUCKLING OF CARBON NANOTUBES BASED ON NONLOCAL TIMOSHENKO BEAM MODELS. Nano, 2011, 06, 363-377.	1.0	15
17597	SrAl ₂ O ₄ :Eu ²⁺ , Dy ³⁺ nanobelts: Synthesis by combustion and properties of long-persistent phosphorescence. Journal of Materials Research, 2011, 26, 2311-2315.	2.6	17
17598	Assembly Strategies for Fully Aligned and Dispersed Morphology Controlled Carbon Nanotube Reinforced Composites Grown in Net-Shape. Materials Research Society Symposia Proceedings, 2011, 1304, 1.	0.1	1
17599	Diameter and rigidity of multiwalled carbon nanotubes are critical factors in mesothelial injury and carcinogenesis. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, E1330-8.	7.1	437
17600	Cu/Multiwalled Carbon Nanotube Composite Films Fabricated by Pulse-Reverse Electrodeposition. Journal of the Electrochemical Society, 2011, 158, D49.	2.9	30
17601	Epitaxial graphene: A new electronic material for the 21st century. MRS Bulletin, 2011, 36, 632-639.	3.5	22
17602	Fabrication of Carbon Nanotube Field Effect Transistor. IETE Technical Review (Institution of) Tj ETQq1 1 0.784314,rgBT /Overlock 10 TF	3.2	7
17603	Biaxial Nematic Phase in Mixtures of a Liquid Crystal and a Rodlike Polymer. Molecular Crystals and Liquid Crystals, 2011, 540, 42-49.	0.9	4
17604	Design of Carbon Nanotube Modified Conducting Polymer for Biosensing Applications. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 503-508.	2.2	16
17605	Electroless Deposition of Silver on Multiwalled Carbon Nanotubes Using Iodide Bath. Journal of the Electrochemical Society, 2011, 158, D506.	2.9	12
17607	The Characteristics of Natural Occurred Carbon Nanotubes - from Transmission Electronic Microscopy and Raman Spectroscopy. Advanced Materials Research, 0, 284-286, 847-850.	0.3	0

#	ARTICLE	IF	CITATIONS
17608	Thermal buckling analysis of double-walled carbon nanotubes considering the small-scale length effect. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 248-256.	2.1	20
17609	Buckling analysis of double-walled carbon nanotubes embedded in an elastic medium under axial compression using non-local Timoshenko beam theory. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 498-506.	2.1	14
17610	THE DISLOCATION ENERGY, PEIERLS BARRIER AND STRESS FOR ZIGZAG SINGLE-WALLED CARBON NANOTUBES. International Journal of Modern Physics B, 2011, 25, 3391-3400.	2.0	0
17611	Confined water inside single-walled carbon nanotubes: Global phase diagram and effect of finite length. Journal of Chemical Physics, 2011, 134, 244501.	3.0	133
17612	Laser-based imaging of individual carbon nanostructures. NPG Asia Materials, 2011, 3, 91-99.	7.9	16
17613	A SF_6 gas sensor using a dual track SAW device based on multi-wall carbon nanotubes. Smart Materials and Structures, 2011, 20, 035006.	3.5	7
17614	Theoretical Studies of Solvent Effect on Normal Mode Analysis and Thermodynamic Properties of Zigzag (5, 0) Carbon Nanotube. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 469-482.	2.1	26
17615	An analytical geometrical model for quasi onedimensional graphene nanomaterials. , 2011, , .		0
17616	Spontaneous Polarization in Smectic A Phase of Carbon Nanotubes Doped Deformed Helix Ferroelectric Liquid Crystal. Molecular Crystals and Liquid Crystals, 2011, 541, 166/[404]-176/[414].	0.9	17
17617	Preparation of Novel Carbon Nanorods and Nanotubes Using Poly(Ferrocenylsilanes) as Self-Catalyzed Precursors. Polymer-Plastics Technology and Engineering, 2011, 50, 755-757.	1.9	3
17618	Nonlocal Effects in Curved Single-Walled Carbon Nanotubes. Mechanics of Advanced Materials and Structures, 2011, 18, 347-351.	2.6	22
17619	A novel $\text{Ca}_3(\text{PO}_4)_2/\text{CaCO}_3$ support mixture for the CVD synthesis of roughened MWCNT-carbon fibres. Journal of Experimental Nanoscience, 2011, 6, 49-63.	2.4	4
17620	Design and Evaluating Carbon Nanotube Interconnects for a Generic Delta MIN. , 2011, , .		2
17621	Effect of chemical composition and state of the surface on the toxic response to high aspect ratio nanomaterials. Nanomedicine, 2011, 6, 899-920.	3.3	81
17622	Research and development of hydrogen energy materials. , 2011, , .		0
17623	Photoluminescence and Raman analysis of ZnO microwires synthesized by chemical vapour deposition. , 2011, , .		0
17624	Measurement of shear stress between single-wall carbon nanotubes and substrates using NEMS devices. , 2011, , .		3
17625	Study on the characteristics of electrochemical storage lithium of carbon nanotubes. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
17626	The effect of sintering temperature on the mechanical properties of a Cu/CNT nanocomposite prepared via a powder metallurgy method. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2011, 2, 015006.	1.5	36
17627	The Nitron (Anti-cancer drug) Interaction with Carbon Nanotubes (Delivery): The Semi-Empirical Approach. <i>International Journal of Green Nanotechnology</i> , 2011, 3, 238-243.	0.3	3
17628	EXAMINATION OF CYLINDRICAL SHELL THEORIES FOR BUCKLING OF CARBON NANOTUBES. <i>International Journal of Structural Stability and Dynamics</i> , 2011, 11, 1035-1058.	2.4	33
17629	SYNTHESIZING A WELL-ALIGNED CARBON NANOTUBE FOREST WITH HIGH QUALITY VIA THE NEBULIZED SPRAY PYROLYSIS METHOD BY OPTIMIZING ULTRASONIC FREQUENCY. <i>Nano</i> , 2011, 06, 343-348.	1.0	5
17630	Plasma-synthesized single-walled carbon nanotubes and their applications. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 174004.	2.8	23
17631	ENHANCEMENT OF FIELD EMISSION CHARACTERISTICS IN ALIGNED MULTIWALLED CARBON NANOTUBES DUE TO 70 MeV Ni ⁶⁺ ION IRRADIATION. <i>International Journal of Nanoscience</i> , 2011, 10, 1057-1060.	0.7	0
17632	The New Toxicology of Sophisticated Materials: Nanotoxicology and Beyond. <i>Toxicological Sciences</i> , 2011, 120, S109-S129.	3.1	287
17633	Tensile and compressive behaviors of open-tip carbon nanocones under axial strains. <i>Journal of Materials Research</i> , 2011, 26, 1577-1584.	2.6	21
17634	A STUDY ON JOINING TECHNOLOGY OF ALUMINUM ALLOY SHEET USING NANO-ADHESIVES. <i>International Journal of Modern Physics B</i> , 2011, 25, 4265-4268.	2.0	7
17635	The minimal nanowire: Mechanical properties of carbyne. <i>Europhysics Letters</i> , 2011, 95, 16002.	2.0	79
17636	Remote and direct plasma regions for low-temperature growth of carbon nanotubes on glass substrates for display applications. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 115401.	2.8	9
17637	Effect of Compressive Strain on Electrical Resistivity of Carbon Nanotube Cement-Based Composites. <i>Key Engineering Materials</i> , 0, 483, 579-583.	0.4	18
17638	Nanocrystallinity Enhancement of TiO ₂ Nanotubes by Post-Hydrothermal Treatment. <i>Advanced Materials Research</i> , 0, 277, 90-99.	0.3	19
17639	Nanotoxicology—A Pathologist's Perspective. <i>Toxicologic Pathology</i> , 2011, 39, 301-324.	1.8	140
17640	COMPUTATION OF INTERACTION POTENTIAL OF ADSORBATES ON ZIGZAG SWCNTs—APPLICATION TO FUNCTIONALIZATION AND HYDROGEN STORAGE. <i>International Journal of Nanoscience</i> , 2011, 10, 391-396.	0.7	10
17641	Field emission studies of carbon nanostructures synthesised over Ni—Cr catalyst layer. <i>Journal of Experimental Nanoscience</i> , 2011, 6, 374-388.	2.4	3
17642	ELECTRICAL TRANSPORT PROPERTIES OF SINGLE-WALLED CARBON NANOTUBE BUNDLES TREATED WITH BORIC ACID. <i>Nano</i> , 2011, 06, 337-341.	1.0	4
17643	AMELIORATING THE FORMATION OF FULLERENE COMPLEXES WITH AMINO ACIDS: A THEORETICAL STUDY. <i>International Journal of Modern Physics B</i> , 2011, 25, 4667-4678.	2.0	6

#	ARTICLE	IF	CITATIONS
17644	The effect of a transverse electric field on the electronic properties of an armchair carbon nanoscroll. Philosophical Magazine, 2011, 91, 1557-1567.	1.6	9
17645	PHOTON-ASSISTED TRANSPORT IN CARBON NANOTUBE MESOSCOPIC DEVICE. International Journal of Nanoscience, 2011, 10, 419-426.	0.7	2
17646	CHARACTERIZATION AND ELECTRICAL PROPERTIES OF ALIGNED CARBON NANOTUBES WITH HIGH ASPECT RATIO. International Journal of Nanoscience, 2011, 10, 23-28.	0.7	0
17647	Single-walled carbon nanotube electromechanical switching behavior with shoulder slip. Journal of Micromechanics and Microengineering, 2011, 21, 045028.	2.6	11
17648	MORPHOLOGICAL, OPTICAL AND ELECTRICAL CHARACTERIZATION OF SOLUTION PROCESSED MWNTâ€“PEDOT:PSS NANOCOMPOSITE. International Journal of Modern Physics B, 2011, 25, 2543-2556.	2.0	9
17649	DETERMINATION OF GROWTH DIRECTION OF CARBON NANOTUBES FROM THE SHAPE OF THE CATALYST PARTICLE. International Journal of Nanoscience, 2011, 10, 1045-1050.	0.7	1
17650	Synthesis, Properties, and Applications of Low-Dimensional Carbon-Related Nanomaterials. Journal of Nanomaterials, 2011, 2011, 1-21.	2.7	101
17651	Growth of Carbon Nanotubes on Metallic Substrates Using a Substrate-Shielded Microwave Plasma-Enhanced Chemical Vapor Deposition. Journal of the Electrochemical Society, 2011, 159, K50-K54.	2.9	7
17652	AN INVESTIGATION INTO THE TORSIONAL BUCKLING OF CARBON NANOTUBES USING MOLECULAR AND STRUCTURAL MECHANICS. International Journal of Nanoscience, 2011, 10, 989-993.	0.7	6
17653	AB INITIO CALCULATIONS OF ELECTRONIC STRUCTURE AND OPTICAL SPECTRA OF (13-0) CARBON NANOTUBE. International Journal of Nanoscience, 2011, 10, 587-590.	0.7	19
17654	Fabrication and Characteristics of Nanoscale Stacked-Tunneling-Junctions on Graphite Flake Using Focused Ion Beam. Japanese Journal of Applied Physics, 2011, 50, 06GE06.	1.5	1
17655	Twist distortion in rod/liquid crystal mixtures. Liquid Crystals, 2011, 38, 885-891.	2.2	3
17656	General Rolled-Up and Polyhedral Models for Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2011, 19, 726-748.	2.1	7
17657	Analysis of Carbon Nanotubes on the Mechanical Properties at Atomic Scale. Journal of Nanomaterials, 2011, 2011, 1-10.	2.7	26
17658	Adhesive Enhancement Improved Field Emission Characteristics of Carbon Nanotube Arrays on Energetic Ion Pre-Bombarded Si Substrates. Key Engineering Materials, 2011, 483, 589-594.	0.4	4
17659	Formation of Nanotubes of Carbon by Joule Heating of Carbon-Contaminated Si Nanochains. Key Engineering Materials, 2011, 470, 171-174.	0.4	0
17660	Controlled assembly of CdSe/MWNT hybrid material and its fast photoresponse with wavelength selectivity. Nanotechnology, 2011, 22, 165201.	2.6	19
17661	Carbide Nanoparticles Encapsulated in the Caves of Carbon Nanotubes by an In Situ Reduction-Carbonization Route. Journal of Nanomaterials, 2011, 2011, 1-5.	2.7	32

#	ARTICLE	IF	CITATIONS
17662	A Novel Ionic Polymer Metal ZnO Composite (IPMZC). <i>Sensors</i> , 2011, 11, 4674-4687.	3.8	13
17663	Theoretical Semiempirical Study of the Biomolecules Interaction with Carbon Nanotubes. <i>Journal of Macromolecular Science - Physics</i> , 2011, 50, 2481-2487.	1.0	5
17664	Introduction of Multiple Hydrogen Bonding for Enhanced Mechanical Performance of Polymer-Carbon Nanotube Composites. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2011, 48, 1016-1021.	2.2	12
17665	Removal of Pb(II) and Cu(II) from aqueous solution using multiwalled carbon nanotubes/iron oxide magnetic composites. <i>Water Science and Technology</i> , 2011, 63, 917-923.	2.5	62
17666	Conductometric Sensors for Monitoring Degradation of Automotive Engine Oil. <i>Sensors</i> , 2011, 11, 8611-8625.	3.8	41
17667	Integration of Carbon Nanotube Interconnects for Full Compatibility with Semiconductor Technologies. <i>Journal of the Electrochemical Society</i> , 2011, 158, K193.	2.9	14
17668	Carbon Nanostructures Production by AC Arc Discharge Plasma Process at Atmospheric Pressure. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-6.	2.7	18
17669	Debundling of Single Walled Carbon Nanotubes by HPC in 1-Propanol and Water. <i>Materials Science Forum</i> , 0, 695, 215-218.	0.3	0
17670	Testing and Evaluating Method of Dispersion of Carbon Nanotubes. <i>Key Engineering Materials</i> , 2011, 492, 345-348.	0.4	0
17671	Study of Mg Powder as Catalyst Carrier for the Carbon Nanotube Growth by CVD. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-6.	2.7	5
17672	Effect of Anode-Cathode Spacing on Anodic Formation of Self-Organized TiO ₂ Nanotube Arrays. <i>Advanced Materials Research</i> , 0, 217-218, 1255-1259.	0.3	0
17673	Characterisation and modelling of CNT-epoxy and CNT-fibre-epoxy composites. <i>Plastics, Rubber and Composites</i> , 2011, 40, 481-490.	2.0	10
17674	Effect of nanosized mesoporous MCM-41 (with template) material on properties of natural rubber nanocomposites. <i>Plastics, Rubber and Composites</i> , 2011, 40, 402-406.	2.0	3
17675	Field Emission Properties of the Dendritic Carbon Nanotubes Film Embedded with ZnO Quantum Dots. <i>Journal of Nanomaterials</i> , 2011, 2011, 1-5.	2.7	15
17676	Nanostructures for Enhanced Light Absorption in Solar Energy Devices. <i>International Journal of Photoenergy</i> , 2011, 2011, 1-11.	2.5	26
17677	Preparation and properties of LDPE/POE/MWCNTs composites obtained by melt compounding. <i>Plastics, Rubber and Composites</i> , 2011, 40, 223-228.	2.0	5
17678	Electronic Properties of Defect-Free and Defective Bilayer Graphene in an Electric Field. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2011, 19, 532-539.	2.1	22
17679	Introduction to polymer-carbon nanotube composites. , 2011, , xxi-xxvii.		10

#	ARTICLE	IF	CITATIONS
17680	Carbon Thin Films Deposition by KrF Pulsed Laser at Different Temperatures. , 2011, , .		0
17681	Study on CdTe Quantum Dots Electrochemiluminescent Sensor Supported by Carbon Nano-tubes With ITO Basal Electrode. , 2011, , .		0
17682	Temperature Effects on the Production of Carbon Nanotubes from Palm Oil by Thermal Chemical Vapor Deposition Method. Advanced Materials Research, 2011, 364, 359-362.	0.3	15
17683	Application of electrostatic Langmuir probe to atmospheric arc plasmas producing nanostructures. Physics of Plasmas, 2011, 18, .	1.9	28
17684	Purification of Carbon Nanotubes by Microwave Technology. Advanced Materials Research, 2011, 399-401, 610-615.	0.3	0
17685	Ultrasonochemical-Assisted Synthesis of CuO Nanorods with High Hydrogen Storage Ability. Journal of Nanomaterials, 2011, 2011, 1-6.	2.7	19
17686	A review of shaped carbon nanomaterials. South African Journal of Science, 2011, 107, .	0.7	66
17687	Removal Efficiency of Virus Aerosols Using Carbon Nanotube Plasma. Advanced Materials Research, 2011, 183-185, 2232-2236.	0.3	2
17688	Bright, low debris, ultrashort hard x-ray table top source using carbon nanotubes. Physics of Plasmas, 2011, 18, 014502.	1.9	34
17689	Influence of Boundary Conditions and Defects on the Buckling Behavior of SWCNTs via a Structural Mechanics Approach. Journal of Nanomaterials, 2011, 2011, 1-6.	2.7	2
17690	The Microstructure of Ni Layer on Single-Walled Carbon Nanotubes Prepared by an Electroless Coating Process. Journal of Nanomaterials, 2011, 2011, 1-5.	2.7	5
17691	Structural and Electronic Properties of Low-Dimensional C-Nanoassemblies and Possible Analogues for Si (and Ge). Journal of Nanomaterials, 2011, 2011, 1-9.	2.7	4
17692	Dynamic characteristics of epoxy hybrid nanocomposites. Journal of Reinforced Plastics and Composites, 2011, 30, 1857-1867.	3.1	27
17693	A Novel Synthesis Route to Produce Boron Nitride Nanotubes for Bioapplications. Journal of Biomaterials and Nanobiotechnology, 2011, 02, 426-434.	0.5	60
17694	Stability of magnetic nanoparticles inside ferromagnetic nanotubes. Applied Physics Letters, 2011, 98, .	3.3	10
17695	Dispersion Stability of Fluorinated Multi-Walled Carbon Nanotubes in FC-27 Refrigerant. Journal of Dispersion Science and Technology, 2011, 32, 1485-1492.	2.4	9
17696	Experimental Characterisation of Catalyst-Free Carbon Nanomaterials from Mixed Vegetable and Animal Base Oils through Modified Traditional Process. Journal of Nanomaterials, 2011, 2011, 1-10.	2.7	741
17697	Comparative Study of the Comprehensive Properties of Multiwalled Nanotubes/Polyurethane Nanofibrous Membranes with and without Thermal Treatment. Journal of Nanomaterials, 2012, 2012, 1-8.	2.7	4

#	ARTICLE	IF	CITATIONS
17698	Preparation and Photocatalytic Properties of SnO ₂ Coated on Nitrogen-Doped Carbon Nanotubes. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	10
17699	Nanoscale physics and electronics. , 2012, , 23-77.		2
17700	Integrating Metal-Oxide-Decorated CNT Networks with a CMOS Readout in a Gas Sensor. Sensors, 2012, 12, 2582-2597.	3.8	14
17701	Experimental investigation on the study of mechanical and microstructural properties of hybrid composite cement beams reinforced with multi-walled carbon nanotubes and carbon fibres. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems. 2012, 226, 135-142.	0.1	1
17702	Dielectric and microwave properties of carbon nanotubes/carbon black filled natural rubber composites. Plastics, Rubber and Composites, 2012, 41, 408-412.	2.0	5
17703	Induction thermal plasma process modifies the physicochemical properties of materials used for carbon nanotube production, influencing their cytotoxicity. Nanotoxicology, 2013, 7, 1225-1243.	3.0	2
17704	Effect of Plasma Treatment on Multi-Walled Carbon Nanotubes for the Detection of H ₂ S and SO ₂ . Sensors, 2012, 12, 9375-9385.	3.8	51
17705	Cast Nanostructured Films of Poly(methyl methacrylate- <i>b</i> -butyl acrylate)/Carbon Nanotubes: Influence of Poly(butyl acrylate) Content on Film Evaporation Rate, Morphology, and Electrical Resistance. Journal of Nanomaterials, 2012, 2012, 1-8.	2.7	3
17706	Synthesis and Application of Glutaric Dihydrazide Modified Multiwalled Carbon Nanotubes for Selective Solid-Phase Extraction and Preconcentration of Cu(II), Zn(II), Ni(II), and Fe(III). Journal of AOAC INTERNATIONAL, 2012, 95, 897-902.	1.5	4
17707	Nanocrystals for Electronic and Optoelectronic Applications. Journal of Nanomaterials, 2012, 2012, 1-2.	2.7	7
17708	Synthesis of MoS ₂ Nanoparticles with Inorganic Fullerene-Like Structure from Molybdenum Trioxide and Sulfur. Advanced Materials Research, 0, 554-556, 601-604.	0.3	0
17709	Effect of CNTs on Properties of Cu-Based Composites and Mechanism. Advanced Materials Research, 0, 557-559, 262-266.	0.3	0
17710	A Novel Chromogenic System of Pb ²⁺ - 4, 5- Dibromo- o- Nitrophenylfluorone in the Coexistence of Carbon Nanotubes and CTMAB. Advanced Materials Research, 2012, 600, 120-123.	0.3	0
17711	Compressive Strength and Microstructure of Multi-Wall Carbon Nanotubes Reinforced Cement Composites. Advanced Materials Research, 2012, 450-451, 594-599.	0.3	0
17712	Coated Carbon Nanotubes at Nano Copper Modified GCE for Simultaneous Determination of Dopamine and Uric Acid. Advanced Materials Research, 2012, 600, 238-241.	0.3	0
17713	Energy Band Calculation of Spiral Single-Walled Carbon Nanotubes. Advanced Materials Research, 2012, 535-537, 341-344.	0.3	1
17714	Analytical Treatment of the Free Vibration of Single-Walled Carbon Nanotubes Based on the Nonlocal Flugge Shell Theory. Journal of Engineering Materials and Technology, Transactions of the ASME, 2012, 134, .	1.4	27
17715	Effects of Surface Modification of MWCNT on the Mechanical and Electrical Properties of Fluoro Elastomer/MWCNT Nanocomposites. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	4

#	ARTICLE	IF	CITATIONS
17716	The Synthesis of Peculiar Structure of Springlike Multiwall Carbon Nanofibers/Nanotubes via Mechanochemical Method. Journal of Nanomaterials, 2012, 2012, 1-8.	2.7	7
17717	Synthesis of Carbon Nanomaterials-CdSe Composites and Their Photocatalytic Activity for Degradation of Methylene Blue. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	4
17718	Structures of Graphene/Cobalt Interfaces in Cobalt-Encapsulated Carbon Nanocapsules. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	8
17719	Parameter Optimisation of Carbon Nanotubes Synthesis via Hexane Decomposition over Minerals Generated from Anadara granosa Shells as the Catalyst Support. Journal of Nanomaterials, 2012, 2012, 1-9.	2.7	6
17720	Improved Dispersion of Carbon Nanotubes in Polymers at High Concentrations. Nanomaterials, 2012, 2, 329-347.	4.1	176
17721	Dynamic analysis of embedded curved double-walled carbon nanotubes based on nonlocal Euler-Bernoulli Beam theory. Multidiscipline Modeling in Materials and Structures, 2012, 8, 432-453.	1.3	11
17722	<i>In Situ</i> Synthesis of CNTs/Mg Composite Powders by CVD at Low Temperatures. Advanced Materials Research, 2012, 588-589, 1681-1684.	0.3	0
17723	Biocompatible Single-Crystal Selenium Nanobelt Based Nanodevice as a Temperature-Tunable Photosensor. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	5
17724	Magnetic Carbon Nanotubes for Protein Separation. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	11
17725	Multi-walled carbon nanotubes: sampling criteria and aerosol characterization. Inhalation Toxicology, 2012, 24, 798-820.	1.6	44
17726	Low Temperature Hall Effect Investigation of Conducting Polymer-Carbon Nanotubes Composite Network. International Journal of Molecular Sciences, 2012, 13, 14917-14928.	4.1	20
17727	Buckling of Carbon Nanotubes: A State of the Art Review. Materials, 2012, 5, 47-84.	2.9	107
17728	Synergistic Effects in the Gas Sensitivity of Polypyrrole/Single Wall Carbon Nanotube Composites. Sensors, 2012, 12, 7965-7974.	3.8	73
17729	Sol-Gel-Derived Hydroxyapatite-Carbon Nanotube/Titania Coatings on Titanium Substrates. International Journal of Molecular Sciences, 2012, 13, 5242-5253.	4.1	50
17730	Statement of Retraction. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 129-129.	2.3	24
17731	Properties of Reaction Intermediates from Unzipping Nanotubes via the Diketone Formation: A Computational Study. Journal of Nanomaterials, 2012, 2012, 1-10.	2.7	2
17732	Current Advances in the Carbon Nanotube/Thermotropic Main-Chain Liquid Crystalline Polymer Nanocomposites and Their Blends. Polymers, 2012, 4, 889-912.	4.5	54
17733	Hydroxyapatite-Carbon Nanotubes Composite Coatings on Ti Substrate. Advanced Materials Research, 2012, 2012, 424-425, 86-89.	0.3	1

#	ARTICLE	IF	CITATIONS
17734	A Density Functional Theory Study on the Ultra Long Single Walled Armchair (3, 3) (Bn) _X _c _y Nanotubes. Advanced Materials Research, 2012, 463-464, 1435-1439.	0.3	0
17735	Preparation and Microwave Absorbing Properties of Iron Oxides/Carbon Nanotubes Compounds. Advanced Materials Research, 0, 548, 133-137.	0.3	0
17736	Sensitive and Selective Determination of Aminophenol Isomers in Chromogenic Reaction by Carbon Nanotubes. Advanced Materials Research, 0, 578, 113-116.	0.3	3
17737	Modeling and Calculation of Electron Transmission Coefficient from Printed CNT Film to Vacuum. Advanced Materials Research, 2012, 586, 145-150.	0.3	0
17738	Hydrothermal Synthesis of Yttrium Hydroxide Nanotubes. Key Engineering Materials, 0, 512-515, 95-99.	0.4	1
17739	Synthesis of Si-O-C Nanoballs by CVD of Polydimethylsiloxane. Advanced Materials Research, 0, 454, 114-117.	0.3	0
17740	Preparation of Single-Walled Carbon Nanotubes from Starch by Arc Discharge. Advanced Materials Research, 0, 454, 63-66.	0.3	0
17741	Preparation and Characterization of Nanoenergetic Materials Based on KNO ₃ -Filled Carbon Nanotubes. Advanced Materials Research, 0, 557-559, 603-606.	0.3	0
17742	Improving Structural and Micro-Raman Properties of Camphor-Grown Pristine Carbon Nanotubes with Special Focus on Single-Stage Thermal Annealing System. Advanced Materials Research, 0, 576, 454-458.	0.3	4
17743	Influence of Different Buffer Layer on Intense Pulsed Field Emission of Carbon Nanotubes. Advanced Materials Research, 0, 586, 130-134.	0.3	1
17744	Effect of Ball-Milling Parameter on the Synthesis of MWCNT/Alumina Hybrid Compound. Advanced Materials Research, 0, 620, 309-313.	0.3	1
17745	Development of Paper Transistor Using Carbon-Nanotube-Composite Paper. Advances in Science and Technology, 2012, 80, 59-64.	0.2	4
17746	Material Science Chemistry of Electrochemical Microsensors and Applications for Biofilm Research. Key Engineering Materials, 2012, 521, 113-139.	0.4	4
17747	Polyethylene Functionalized Multi-Walled Carbon Nanotubes via In Situ Polymerization. Advanced Materials Research, 0, 573-574, 1163-1166.	0.3	0
17748	Research on Microwave Absorbing Properties of Multi-Walled Carbon Nanotubes-Reinforced Cement-Based Composites. Advanced Materials Research, 0, 629, 261-265.	0.3	7
17749	Axial Buckling Behavior of Double-Wall Carbon Nanotubes by Finite Element Simulation. Advanced Materials Research, 0, 562-564, 339-342.	0.3	0
17750	Core-Shell Structure of a Silicon Nanorod/Carbon Nanotube Field Emission Cathode. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	4
17751	Research of Novel Functional Stealthy Nanomaterials. Advanced Materials Research, 2012, 534, 73-77.	0.3	0

#	ARTICLE	IF	CITATIONS
17752	Synthesis of Single and Multi Walled Carbon Nanotubes by Improved Arc Discharge Method. Key Engineering Materials, 0, 510-511, 124-131.	0.4	1
17753	An Innovative Method to Reduce Percolation Threshold of Carbon Nanotubes Filled Nylon6/Polystyrene Blends. Advanced Materials Research, 0, 557-559, 654-658.	0.3	0
17754	Coadsorption of CO and O on H-Capped (6, 0) Single-Walled Carbon Nanotube: A Density Functional Study. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 233-242.	2.1	2
17755	Core-Shell Nanostructures: Modeling, Fabrication, Properties, and Applications. Journal of Nanomaterials, 2012, 2012, 1-2.	2.7	3
17756	Selective Grafting of Primary Amines onto Carbon Nanotubes via Free-Radical Treatment in Microwave Plasma Post-Discharge. Polymers, 2012, 4, 296-315.	4.5	19
17757	Application of Reactivity Indices Within Density Functional Theory to Rationale Chemical Interactions. Structure and Bonding, 2012, , 159-186.	1.0	0
17758	Raman Spectroscopic Study of Carbon Nanotubes Prepared Using Fe/ZnO-Palm Olein-Chemical Vapour Deposition. Journal of Nanomaterials, 2012, 2012, 1-6.	2.7	16
17759	Basic Potential of Carbon Nanotubes in Tissue Engineering Applications. Journal of Nanomaterials, 2012, 2012, 1-10.	2.7	43
17760	Carbon Nanotubes in Electronics Interconnect Applications with a Focus on 3D-TSV Technology. ECS Transactions, 2012, 44, 683-692.	0.5	5
17761	Investigation on Size Effect of Cantilever Carbon Nanotube. Advanced Materials Research, 2012, 586, 3-9.	0.3	0
17762	Recent Developments in the Growth and Properties of Carbon Nanotubes and Carbon Nanostructures: A Review. International Journal of Green Nanotechnology, 2012, 4, 534-540.	0.3	1
17763	Damping Properties of Cups-Stacked Carbon Nanotubes (CSCNTs)/RTM6 Composites. Advanced Materials Research, 2012, 535-537, 210-213.	0.3	0
17764	Low Temperature Synthesis of Onion-Like Fullerenes Using Aluminum Hydroxide Supported Iron Catalyst. Advanced Materials Research, 0, 490-495, 3315-3318.	0.3	1
17765	Mechanical and Tribological Properties of $\text{Al}_{2\text{O}_3\text{-ZrO}_2}$ Based Composites Prepared by EPD. Key Engineering Materials, 0, 507, 191-195.	0.4	1
17766	ANTIMICROBIAL EFFECTS OF CARBON NANOTUBES. Nano LIFE, 2012, 02, 1230012.	0.9	8
17767	The Contribution of Nanotechnology for Removal of Water Pollutants. Materials Science Forum, 2012, 712, 1-24.	0.3	4
17768	Textile Sensor Applications with Composite Monofilaments of Polymer / Carbon Nanotubes. Advances in Science and Technology, 2012, 80, 65-70.	0.2	12
17769	Electrochemical Functionalization of Single-Walled Carbon Nanotubes Films Obtained by Electrophoretic Deposition. Key Engineering Materials, 2012, 507, 107-111.	0.4	2

#	ARTICLE	IF	CITATIONS
17770	Dyes in Vertically Aligned Carbon Nanotube Arrays for Solar Cell Applications. Materials Research Society Symposia Proceedings, 2012, 1390, 71.	0.1	1
17771	Fabrication and Properties of AlN/CNT Composite Ceramics. Key Engineering Materials, 0, 512-515, 898-901.	0.4	1
17772	Growth and High Pressure Investigation of (C ₆₀) _n @SWNT. Advanced Materials Research, 2012, 442, 26-30.	0.3	0
17773	Characterization of dispersion of carbon nanotubes in polymer matrices. Materials Research Society Symposia Proceedings, 2012, 1371, 63.	0.1	0
17774	Effects of structure characteristics of carbon nanotubes on properties of composites. Journal of Reinforced Plastics and Composites, 2012, 31, 1097-1102.	3.1	6
17775	Composite Content Influence on Multiwall Carbon Nanotubes-SiO ₂ Film Humidity Sensors at AC Testing. Key Engineering Materials, 2012, 503, 451-454.	0.4	0
17776	Optimization of Synthesis of Carbon Nanotubes Using Chemical Vapor Deposition Method. Advanced Materials Research, 2012, 488-489, 1535-1539.	0.3	0
17777	Amperometric Microcavity Electrode for Hydrogen Peroxide Based on Sulfhydryl-Containing Multiwalled Carbon Nanotube/Silver Nanoparticles. Journal of the Electrochemical Society, 2012, 159, B850-B854.	2.9	3
17778	Development of Innovative Algorithm for Nanomechanics and its Applications to the Characterization of Materials. Key Engineering Materials, 2012, 528, 165-196.	0.4	0
17779	Reactive Empirical Bond-Order Potentials. , 2012, , 2210-2221.		0
17780	Investigation about Synthesis of Carbon Nanotubes with Various Structures Governed by Temperature and Relevant Growth Mechanism. Advanced Materials Research, 0, 499, 35-39.	0.3	0
17781	Temperature dependence of transport properties in a suspended carbon nanotube. Physica Scripta, 2012, T151, 014041.	2.5	9
17782	Preparation of Cu ₂ O (Cu)/MWCNTs Composite Particles and Their Gas Sensor Properties. Advanced Materials Research, 2012, 602-604, 57-61.	0.3	1
17783	Effects of the Concentration of MgO in the Catalyst on the Growth of Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 2012, 569, 1-9.	0.9	1
17784	Quantification of tip-broadening in non-contact atomic force microscopy with carbon nanotube tips. Nanotechnology, 2012, 23, 405705.	2.6	24
17785	Carbon Nanotube Research: Past and Future. Japanese Journal of Applied Physics, 2012, 51, 040001.	1.5	8
17786	Synthesis of Carbon Nanotubes Using Zinc Nitrate as a Catalyst by Aerosol-Assisted Catalytic Single Furnace CVD. Advanced Materials Research, 0, 576, 349-352.	0.3	1
17787	Dispersion relation of dust acoustic waves in metallic multi-walled carbon nanotubes. Chinese Physics B, 2012, 21, 057306.	1.4	2

#	ARTICLE	IF	CITATIONS
17788	Electronic Structures of InGaN $\times 2$ Nanotubes. Chinese Physics Letters, 2012, 29, 107301.	3.3	1
17789	Anchoring platinum on graphene using metallic adatoms: a first principles investigation. Journal of Physics Condensed Matter, 2012, 24, 225003.	1.8	17
17790	Rate of Belowground Carbon Allocation Differs with Successional Habit of Two Afromontane Trees. PLoS ONE, 2012, 7, e45540.	2.5	11
17791	Calculating Hydrogen Absorption on Single Wall Carbon Nanotubes with Different Radius Using the First Principle. Advanced Materials Research, 0, 472-475, 1465-1468.	0.3	1
17792	The role of functionalised multiwalled carbon nanotubes based supercapacitor for arsenic removal and desalination of sea water. Journal of Experimental Nanoscience, 2012, 7, 85-97.	2.4	13
17793	Synthesis and Characterization of Multi-Walled Carbon Nanotubes with Semiconductor Nanoparticles for Optoelectronics. Materials Research Society Symposia Proceedings, 2012, 1396, .	0.1	0
17794	Application of Carbon Nanotubes for Removal of Fluoride from Wastewater. International Journal of Green Nanotechnology, 2012, 4, 394-398.	0.3	2
17795	Synthesis of High-Density Vertically Aligned Carbon Nanotubes Using Ultrasonic Nebulizer. Materials Sciences and Applications, 2012, 03, 213-217.	0.4	1
17796	Gas Phase Electrodeposition: A Programmable Localized Deposition Method for Rapid Combinatorial Investigation of Nanostuctured Devices and 3D Bulk Heterojunction Photovoltaic Cells. Materials Research Society Symposia Proceedings, 2012, 1439, 57-62.	0.1	0
17797	Nanoscale spatial resolution probes for scanning thermal microscopy of solid state materials. Journal of Applied Physics, 2012, 112, .	2.5	76
17798	Morphology and Composition Controlled Synthesis of BN-Coated Aluminum Borate Nanowhiskers. Advanced Materials Research, 2012, 509, 125-131.	0.3	2
17799	Gene Delivery by Functional Inorganic Nanocarriers. Recent Patents on DNA & Gene Sequences, 2012, 6, 108-114.	0.7	16
17800	Effective energy gap of the double-walled carbon nanotubes with field effect transistors ambipolar characteristics. Applied Physics Letters, 2012, 100, .	3.3	8
17801	Other commonly used biomedical coatings: pyrolytic carbon coatings. , 2012, , 75-105.		10
17802	Anisotropic Graphite Erosion in Low-Temperature and High-Density Deuterium Plasma. Japanese Journal of Applied Physics, 2012, 51, 01AB03.	1.5	2
17803	STRAIN-INDUCED CRYSTALLIZATION AND MECHANICAL PROPERTIES OF NBR COMPOSITES WITH CARBON NANOTUBE AND CARBON BLACK. Rubber Chemistry and Technology, 2012, 85, 207-218.	1.2	13
17804	Asynchronous Pulse Transmitter for Power Reduction in Inductive-Coupling Link. Japanese Journal of Applied Physics, 2012, 51, 02BE06.	1.5	2
17805	Recovery Force of Carbon Nanotube Shape Memory. Japanese Journal of Applied Physics, 2012, 51, 06FD22.	1.5	1

#	ARTICLE	IF	CITATIONS
17806	Electric Field Enhancement by Laser Light Focused at Electrode Edges for Controlled Positioning of Carbon Nanotubes. Japanese Journal of Applied Physics, 2012, 51, 06FD26.	1.5	1
17807	Determination of Creep Life of Glass Fiber/Phenol Composite Filled with Carbon Nanotubes by Four-Point Flexural Creep Test. Japanese Journal of Applied Physics, 2012, 51, 01AK03.	1.5	0
17808	Single crystal silicon nanopillars, nanoneedles and nanoblades with precise positioning for massively parallel nanoscale device integration. Nanotechnology, 2012, 23, 225303.	2.6	4
17809	One-Step Liquid-Phase Synthesis of Carbon Nanotubes: Effects of Substrate Materials on Morphology of Carbon Nanotubes. Japanese Journal of Applied Physics, 2012, 51, 06FD19.	1.5	5
17810	Fabrication, Morphologies and Mechanical Properties of Carbon Nanotube Based Polymer Nanocomposites. , 2012, , 225-250.		1
17811	Changes in Expression of Drug-Metabolizing Enzymes by Single-Walled Carbon Nanotubes in Human Respiratory Tract Cells. Drug Metabolism and Disposition, 2012, 40, 579-587.	3.3	14
17812	Revolutionary Impact of Nanodrug Delivery on Neuroscience. Current Neuropharmacology, 2012, 10, 370-392.	2.9	45
17813	On the use of symmetry in SCF calculations. The case of fullerenes and nanotubes. AIP Conference Proceedings, 2012, , .	0.4	9
17814	Mechanical properties of multi-walled carbon nanotube (MWCNT)/polymethyl methacrylate (PMMA) nanocomposite prepared via the coagulation method. , 2012, , .		3
17815	A computational study of armchair nanotube. , 2012, , .		0
17816	Longitudinal vibrations of non-uniform crosssection nanorods based on nonlocal elasticity theory. , 2012, , .		2
17817	A review of nanostructured based radiation sensors for neutron. , 2012, , .		7
17818	Synthesis of carbon nanotubes using natural carbon precursor: Castor oil. AIP Conference Proceedings, 2012, , .	0.4	7
17819	Preparation of the spacer for narrow electrode gap configuration in ionization-based gas sensor. , 2012, , .		0
17820	Degradation of optical properties of a film-type single-wall carbon nanotubes saturable absorber (SWNT-SA) with an Er-doped all-fiber laser. Optics Express, 2012, 20, 12966.	3.4	42
17821	Carbon Nanotube-Based Chemo- and Biosensors. World Scientific Series on Carbon Nanoscience, 2012, , 151-202.	0.1	0
17822	Absorption and Structural Property of Ethanol/Water Mixture with Carbon Nanotubes. Chinese Journal of Chemical Physics, 2012, 25, 487-493.	1.3	16
17823	Improving the field emission of carbon nanotubes by lanthanum-hexaboride nano-particles decoration. Applied Physics Letters, 2012, 101, .	3.3	26

#	ARTICLE	IF	CITATIONS
17824	Emission spectra analysis of arc plasma for synthesis of carbon nanostructures in various magnetic conditions. Journal of Applied Physics, 2012, 112, 024329.	2.5	15
17825	Highly selective adsorption of methanol in carbon nanotubes immersed in methanol-water solution. Journal of Chemical Physics, 2012, 137, 034501.	3.0	44
17826	Micro-reactors for characterization of nanostructure-based sensors. Review of Scientific Instruments, 2012, 83, 055104.	1.3	7
17827	A NEW INSIGHT INTO THE RECYCLING OF HYPERACCUMULATOR: SYNTHESIS OF THE MIXED CU AND ZN OXIDE NANOPARTICLES USING BRASSICA JUNCEAL.. International Journal of Phytoremediation, 2012, 14, 854-860.	3.1	10
17828	Measuring of Electrical Properties of MWNT-Reinforced PAN Nanocomposites. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	25
17829	The selective removal of metallic carbon nanotubes from As-grown arrays on insulating substrates. Applied Physics Letters, 2012, 101, 193109.	3.3	3
17830	Carbon Nanotube Coatings for Enhanced Capillary-Fed Boiling from Porous Microstructures. Nanoscale and Microscale Thermophysical Engineering, 2012, 16, 1-17.	2.6	75
17831	Atomistic Modeling of Gas Adsorption in Nanocarbons. Journal of Nanomaterials, 2012, 2012, 1-32.	2.7	11
17832	Microwave modeling of single multi-wall carbon nanotubes. , 2012, , .		0
17833	Pulmonary toxicity of well-dispersed multi-wall carbon nanotubes following inhalation and intratracheal instillation. Nanotoxicology, 2012, 6, 587-599.	3.0	96
17834	Structural, electronic and optical properties of titania nanotubes. Advances in Applied Ceramics, 2012, 111, 72-93.	1.1	8
17835	Spin waves on the surface of a semiconductor nanotube with a superlattice. Low Temperature Physics, 2012, 38, 957-961.	0.6	6
17836	Molecular dynamics simulation of the heat transfer coefficient at the interface between CNTs and water in the carbon nano-tubes micro-channel cooler. , 2012, , .		1
17837	Evaluation of thermal conductivity of single carbon nanotube in liquid using fluorescent micropillars. , 2012, , .		1
17838	Chapter 9.2. Drug Delivery Strategies for Bone Regeneration. RSC Drug Discovery Series, 2012, , 526-547.	0.3	0
17840	Nanocomposites for food and beverage packaging materials. , 2012, , 335-361.		4
17841	Multifunctionalized carbon nanotubes as advanced multimodal nanomaterials for biomedical applications. Nanotechnology Reviews, 2012, 1, 17-29.	5.8	33
17842	Control of CNT motion in Distilled water and IPA under dielectrophoresis force. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
17843	Design of single chip integration of MWNTs/SiO ₂ ; humidity sensor and its interface ASIC. , 2012, , .		0
17844	Nanotubes for tissue engineering. , 2012, , 460-489.		1
17845	Preparation of MWCNT-Ni _{0.5} /Zn _{0.5} /Fe ₂ /O ₄ -Epoxy composites with both dielectric and ferromagnetic properties. , 2012, , .		0
17846	Dynamic Characteristics of Multi-Walled Carbon Nanotubes under Longitudinal Magnetic Fields. Mechanics of Advanced Materials and Structures, 2012, 19, 568-575.	2.6	8
17847	Critical behavior of a three-dimensional hardcore-cylinder composite system. Physical Review E, 2012, 85, 021115.	2.1	4
17848	Oxygen plasma post process to obtain consistent conductance of carbon nanotubes in carbon nanotube field-effect transistors. Applied Physics Letters, 2012, 101, 173104.	3.3	7
17849	Magnetic and electronic properties of $\hat{1}\pm$ -graphyne nanoribbons. Journal of Chemical Physics, 2012, 136, 244702.	3.0	75
17850	Infrared spectrum of single-walled boron nitride nanotubes. Physical Review B, 2012, 85, .	3.2	18
17851	Adsorption Properties of H ₂ O ₂ Trapped Inside Boron Nitride Nanotube. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 243-248.	2.1	2
17852	Mechanical Properties of Functionalized Carbon Nanotube as Reinforcements. Advanced Materials Research, 2012, 583, 22-26.	0.3	2
17853	Vertically aligned carbon nanotubes synthesis on nanostructured porous silicon template in short time; Raman spectroscopy and morphological study. , 2012, , .		0
17854	Influence of geometrical deformation and electric field on transport characteristics through carbon nanotubes. Journal of Applied Physics, 2012, 112, 114328.	2.5	3
17855	PRODUCTION OF CARBON NANOTUBES FROM CHEMICAL VAPOR DEPOSITION OF METHANE IN A CONTINUOUS ROTARY REACTOR SYSTEM. Chemical Engineering Communications, 2012, 199, 600-607.	2.6	15
17856	B ₁₂ N ₁₂ Nano-cage as Potential Sensor for NO ₂ Detection. Chinese Journal of Chemical Physics, 2012, 25, 60-64.	1.3	126
17857	Electrical Properties of Composites of Polystyrene and Multi-Walled Carbon Nanotubes. Molecular Crystals and Liquid Crystals, 2012, 556, 158-167.	0.9	0
17858	Effect of Surface-Treated Carbon Nanotubes on the Mechanical and Tribological Performances of Phenolic Resin. Journal of Macromolecular Science - Physics, 2012, 51, 1148-1158.	1.0	4
17859	Synthesis and Tribological Properties of Thermosetting Polyimide and Its Carbon Nanotube-Containing Composites. Polymer-Plastics Technology and Engineering, 2012, 51, 1-5.	1.9	20
17860	Nanopropulsion from High-Energy Particle Beams via Dispersion Forces in Nanotubes. , 2012, , .		7

#	ARTICLE	IF	CITATIONS
17861	Molecular dynamics simulations of heat conduction in multi-walled carbon nanotubes. Molecular Simulation, 2012, 38, 823-829.	2.0	14
17862	New Perspectives for in Vitro Risk Assessment of Multiwalled Carbon Nanotubes: Application of Coculture and Bioinformatics. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2012, 15, 468-492.	6.5	53
17863	Multiwalled carbon nanotubes-induced cytotoxic effects on human breast adenocarcinoma cell line. , 2012, , .		3
17864	Recent Trends in the Microwave-Assisted Synthesis of Metal Oxide Nanoparticles Supported on Carbon Nanotubes and Their Applications. Journal of Nanomaterials, 2012, 2012, 1-15.	2.7	66
17865	INVESTIGATION OF TIME-RATED DEFECT FORMATION, INFRARED ABSORPTION AND TRANSPORT CHARACTERISTICS OF SINGLE-WALLED CARBON NANOTUBES WET-PROCESSED IN PHOSPHORIC ACID. Nano, 2012, 07, 1250026.	1.0	2
17866	Nanostructured metallophthalocyanine complexes: synthesis and electrocatalysis. Journal of Porphyrins and Phthalocyanines, 2012, 16, 785-792.	0.8	9
17867	FORCE DISTRIBUTION AND OFFSET CONFIGURATION FOR CARBON NANOTUBES. International Journal of Nanoscience, 2012, 11, 1250014.	0.7	1
17868	A NONLOCAL CONTINUUM MECHANICS MODEL TO ESTIMATE THE MATERIAL PROPERTY OF SINGLE-WALLED CARBON NANOTUBES. International Journal of Nanoscience, 2012, 11, 1250007.	0.7	6
17869	BUCKLING BEHAVIOR OF SHORT MULTI-WALLED CARBON NANOTUBES UNDER AXIAL COMPRESSION LOADS. International Journal of Structural Stability and Dynamics, 2012, 12, 1250045.	2.4	6
17870	Processing of nanotube-based nanocomposites. , 2012, , 3-32.		0
17871	Improved Tensile Strength of Carbon Nanotube Reinforced Aluminum Composites Processed by Powder Metallurgy. Advanced Materials Research, 0, 500, 651-656.	0.3	12
17872	Nanomaterial-based Environmental Sensors. , 2012, , 561-619.		1
17873	CALIBRATION OF NONLOCAL SCALE EFFECT PARAMETER FOR BENDING SINGLE-LAYERED GRAPHENE SHEET UNDER MOLECULAR DYNAMICS. Nano, 2012, 07, 1250033.	1.0	34
17874	The Synthesis of Polyaniline Nanotubes With the Template of Modified Carbon Nanotubes. Integrated Ferroelectrics, 2012, 137, 112-119.	0.7	3
17875	CHAOTIC RESPONSE ANALYSIS OF SINGLE-WALLED CARBON NANOTUBE DUE TO SURFACE DEVIATIONS. Nano, 2012, 07, 1250008.	1.0	19
17876	Defect Evolution in Multiwalled Carbon Nanotube Films Irradiated by Ar Ions. Japanese Journal of Applied Physics, 2012, 51, 110202.	1.5	2
17877	Effects of ion irradiation on carbon nanotubes: a review. International Journal of Materials and Product Technology, 2012, 45, 1.	0.2	11
17878	Electrochemical reaction of riboflavin at carbon nanotubes/Ni composite modified electrode fabricated by composite electrodeposition of carbon-nanotubes and Ni matrix. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2012, 226, 81-85.	0.1	1

#	ARTICLE	IF	CITATIONS
17879	Portable cholesterol detection with polyaniline-carbon nanotube film based interdigitated electrodes. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2012, 3, 015004.	1.5	15
17880	Influence of Intertube Additional Atoms on Sliding Behaviors of Double-Walled Carbon Nanotube. <i>Communications in Theoretical Physics</i> , 2012, 58, 432-436.	2.5	1
17881	Electrical transition of (3,3) carbon nanotube on patterned hydrogen terminated Si(001)-2×2 driven by electric field. <i>Journal of Applied Physics</i> , 2012, 111, 123717.	2.5	1
17882	Improved field emission properties of carbon nanotube cathodes by nickel electroplating and corrosion. <i>Journal of Semiconductors</i> , 2012, 33, 053004.	3.7	3
17883	Precise control of the number of walls formed during carbon nanotube growth using chemical vapor deposition. <i>Nanotechnology</i> , 2012, 23, 065604.	2.6	13
17884	Morphological Control of Periodic GaAs Hole Arrays by Simple Au-Mediated Wet Etching. <i>Journal of the Electrochemical Society</i> , 2012, 159, D328-D332.	2.9	11
17885	ENHANCING THE MASS SENSITIVITY OF NANOCANTILEVER. <i>International Journal of Nanoscience</i> , 2012, 11, 1250002.	0.7	0
17886	Carbon Nanomaterials for Energy Efficient Green Electronics. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1478, 20.	0.1	0
17887	Effect of carbon nanofibers content on thermal properties of ceramic nanocomposites. <i>Journal of Composite Materials</i> , 2012, 46, 1229-1234.	2.4	9
17888	Morphology and mechanical properties of MWNT/PMIA nanofibers by electrospinning. <i>Textile Research Journal</i> , 2012, 82, 1390-1395.	2.2	10
17889	Synthesis and Catalytic Graphitization of Silicon Containing Arylacetylenic Resin. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 721-729.	2.1	1
17890	Mechanical properties of boron nitride nanocones. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	11
17891	Evaluation of thermal conductivity of single carbon nanotube in liquid using photofabricated fluorescent micropillars. , 2012, , .		1
17892	Nanoreinforcement of hydroxyapatite coatings on titanium for osseointegration of orthopaedic implants. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2012, 15, 10-11.	1.6	1
17893	A study of growth and surface performance analysis of nanographites grown using microwave plasma jet chemical vapor deposition system. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2012, 35, 79-84.	1.1	1
17894	Measurement-based effective conductivity of carbon nanotube networks for microwave design purposes. , 2012, , .		1
17895	Torsional Buckling Behavior of SWCNTs Using a Molecular Structural Mechanics Approach Considering Vacancy Defects. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 709-720.	2.1	8
17896	REMOVAL OF STRONTIUM (II) FROM AQUEOUS SOLUTION USING FUNCTIONALIZED CARBON NANOTUBES. <i>International Journal of Nanoscience</i> , 2012, 11, 1250019.	0.7	2

#	ARTICLE	IF	CITATIONS
17897	Ab initio Study of Direct Diffusion Pathway for H ⁺ , Li ⁺ , Na ⁺ , K ⁺ Cations into the (3,3), (4,4), and (5,5) Open-Ended Single-Walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 163-169.	2.1	16
17898	MASS DETECTION USING SINGLE WALLED BORON NITRIDE NANOTUBE AS A NANOMECHANICAL RESONATOR. Nano, 2012, 07, 1250029.	1.0	17
17899	Combined Effects between Functionalized Multi-Walled Carbon Nanotubes and Cigarette Smoke on Human Bronchial Epithelial Cells. Advanced Materials Research, 2012, 486, 394-399.	0.3	0
17900	Applying the Taguchi Robust Design to Optimization of the Experimental Conditions for Synthesis of Lead Chromate Nanorods. Journal of Dispersion Science and Technology, 2012, 33, 254-257.	2.4	46
17901	Electrochemical Sensors Based on Nanomaterials for Environmental Monitoring. , 2012, , 523-559.		1
17902	HELIUM ADSORPTION ON CARBON NANOCONES WITH DIFFERENT DISCLINATION ANGLE: MOLECULAR DYNAMICS SIMULATION. Nano, 2012, 07, 1250023.	1.0	4
17903	Pull-In Analysis of a Nonlinear Viscoelastic Nanocomposite Microplate Under an Electrostatic Actuation. Journal of Mechanics, 2012, 28, 179-189.	1.4	3
17904	Modified Carbon Nanotube Paste Electrode for Voltammetric Determination of Carbidopa, Folic Acid, and Tryptophan. Journal of Analytical Methods in Chemistry, 2012, 2012, 1-8.	1.6	18
17905	Adsorption Behavior of Albumin and other Proteins on Carbon Nanotubes Studied by Chromatography. Key Engineering Materials, 0, 529-530, 615-620.	0.4	0
17906	Simulation for Hydrogen Absorption on Single Wall Carbon Nanotubes Using the First Principle. Advanced Materials Research, 2012, 472-475, 1787-1791.	0.3	0
17907	The Research on the Electrical Properties Change in Extrusion Molding of Resin Matrix Multi-Walled Carbon Nano Tubes Composites. Advanced Materials Research, 0, 443-444, 866-871.	0.3	0
17908	Electrochemical Analysis and Applications of New Carbon Materials with Properties of Composite Materials. Advanced Materials Research, 0, 583, 75-81.	0.3	0
17909	Is yne-diamond a super-hard material?. Europhysics Letters, 2012, 100, 56003.	2.0	19
17910	Nanomedicine: pharmacological perspectives. Nanotechnology Reviews, 2012, 1, .	5.8	14
17911	Nanoengineering carbon nanotubes: The effects of electron irradiation on nanotube structure. Materials Research Society Symposia Proceedings, 2012, 1407, 56.	0.1	1
17912	BET Analysis on Carbon Nanotubes: Comparison between Single and Double Stage Thermal CVD Method. Advanced Materials Research, 2012, 626, 289-293.	0.3	15
17913	Tailoring nanostructured catalysts for electrochemical energy conversion systems. Nanotechnology Reviews, 2012, 1, 427-453.	5.8	13
17914	Preparation of Conductive Adhesives by Ag/CNTs Composite Nano-Particles. Advanced Materials Research, 0, 621, 103-106.	0.3	1

#	ARTICLE	IF	CITATIONS
17915	Advances in carbon nanotube-noble metal catalyzed organic transformations. Nanotechnology Reviews, 2012, 1, 515-539.	5.8	49
17916	Controllable Fabrication of Layer Structures by Self-Assembled Perylene Derivative. Advanced Materials Research, 0, 554-556, 39-42.	0.3	0
17917	Preparation of Carbon Nanoball from Starch by Arc Discharge. Advanced Materials Research, 2012, 476-478, 1533-1536.	0.3	3
17918	A Stripping Voltammetric Method for Iodine Ion at Chitosan Incorporating Carbon Nanotubes Modified Electrode. Advanced Materials Research, 2012, 600, 166-169.	0.3	2
17919	Quantification of Arsenic in Sugar Cane Brandy of Minas Gerais Using Carbon Paste Electrode Modified with Carbon Nanotubes. ECS Transactions, 2012, 43, 225-229.	0.5	1
17920	Creation of boron nitride nanotubes and possibility for a series of advanced nano-composite materials. , 2012, , 629-637.		0
17921	The Materiome. Springer Series in Materials Science, 2012, , 27-60.	0.6	1
17922	Gold Nanoparticles Decorating Carbon Nanotubes toward Organic Solar Cells. ECS Transactions, 2012, 41, 49-53.	0.5	4
17923	One-Step Synthesis of Thin Graphite Layers Supported CNTs in Porous Copper by CVD. Advanced Materials Research, 0, 588-589, 1677-1680.	0.3	1
17924	Low Temperature Large Scale CVD Synthesis of Nano Onion-Like Fullerenes. Advanced Materials Research, 0, 490-495, 3211-3214.	0.3	2
17925	Microwave Absorbing Properties of Nickel-Zinc Ferrite/Multiwalled Nanotube Thermoplastic Natural Rubber Composites. Advanced Materials Research, 0, 501, 24-28.	0.3	10
17926	Ordered Arrays of Carbon Nanotubes: From Synthesis to Applications. Nano Biomedicine and Engineering, 2012, 4, .	0.9	6
17927	Cerium-Doped Endohedral Fullerene: A Density-Functional Theory Study. , 2012, 2012, 1-8.		8
17928	Fabrication and Characterization of Highly-Ordered Valve-Metal Oxide Nanotubes and Their Derivative Nanostructures. Reviews in Nanoscience and Nanotechnology, 2012, 1, 229-256.	0.4	33
17929	Graphene: A Rising Star on the Horizon of Materials Science. International Journal of Electrochemistry, 2012, 2012, 1-12.	2.4	127
17930	The Influence of Hydroxylated Carbon Nanotubes on Epoxy Resin Composites. Advances in Materials Science and Engineering, 2012, 2012, 1-5.	1.8	6
17931	Carbon Nanotubes in Cancer Therapy and Drug Delivery. Journal of Drug Delivery, 2012, 2012, 1-10.	2.5	227
17932	Surface-Enhanced Oxidation and Determination of Isothipendyl Hydrochloride at an Electrochemical Sensing Film Constructed by Multiwalled Carbon Nanotubes. International Journal of Electrochemistry, 2012, 2012, 1-6.	2.4	0

#	ARTICLE	IF	CITATIONS
17933	Analysis of nano-reinforced layered plates via classical and refined two-dimensional theories. Multidiscipline Modeling in Materials and Structures, 2012, 8, 4-31.	1.3	15
17934	Nonlocal material properties of single-walled carbon nanotubes. International Journal of Smart and Nano Materials, 2012, 3, 141-151.	4.2	8
17935	Mechanical properties of SWNT X-junctions through molecular dynamics simulation. International Journal of Smart and Nano Materials, 2012, 3, 33-46.	4.2	11
17936	Ex-situ Raman spectroscopy to optimize the manufacturing process for a structural MWNT nanocomposite. International Journal of Smart and Nano Materials, 2012, 3, 309-320.	4.2	3
17937	Preparation of Fe-Mn Oxide Nanoparticles inside Carbon Nanotubes. Advanced Materials Research, 2012, 557-559, 585-588.	0.3	1
17938	Pulse-induced nonequilibrium dynamics of acetylene inside carbon nanotube studied by an ab initio approach. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8861-8865.	7.1	4
17939	CVD Synthesis of Highly Graphitized Single-walled Carbon Nanotubes Using Nitrogen-pretreated Fe-Mo/MgO Catalyst. Chemistry Letters, 2012, 41, 871-873.	1.3	5
17940	Effects of Phosphoryl Choline Grafted Water Soluble Carbon Nanotubes Examined by Different Cytotoxicity Methods in 16-HEB Cells. Advanced Materials Research, 0, 486, 84-89.	0.3	0
17941	Preparation and Damping Properties of Cups-Stacked Carbon Nanotubes(CSCNTs)/Prime 20. Advanced Materials Research, 0, 557-559, 493-496.	0.3	0
17942	Zigzag Carbon Nanotubes under Simple Torsion - Structural Mechanics Formulation. Advanced Materials Research, 2012, 452-453, 1139-1143.	0.3	1
17943	Synthesis of Carbon Spheres with Controllable Size Distribution by Chemical Vapor Deposition. Advanced Materials Research, 2012, 490-495, 3807-3810.	0.3	2
17944	Future Applications: Nanotechniques. , 2012, , 263-272.		0
17945	Effects of the catalyst and substrate thickness on the carbon nanotubes/nanofibers as supercapacitor electrodes. Physica Scripta, 2012, 86, 065603.	2.5	4
17946	A Computerized System for the Measurement of Nanomaterial Field Emission and Ionization. Plasma Science and Technology, 2012, 14, 819-823.	1.5	2
17947	Results and perspectives in hadron spectroscopy. Physica Scripta, 2012, T150, 014014.	2.5	0
17948	Nonlinear control for stabilization of small neoclassical tearing modes in ITER. Nuclear Fusion, 2012, 52, 063007.	3.5	3
17949	Sound Propagation in a Wedge with a Rigid Bottom. Chinese Physics Letters, 2012, 29, 104303.	3.3	3
17950	Ultrahigh-Speed Synthesis of Nanographene Using Alcohol In-Liquid Plasma. Applied Physics Express, 2012, 5, 035101.	2.4	48

#	ARTICLE	IF	CITATIONS
17951	Carbon nanotube film synthesized from ethanol and its oxidation behavior in air. Chinese Physics B, 2012, 21, 098103.	1.4	2
17952	One-Dimensional ZnO Nanostructures by Wet-Chemistry Technique for Dye Sensitized Solar Cell Application. Advanced Materials Research, 0, 576, 406-412.	0.3	0
17953	Studying of B, N, S, Si and P Doped (5, 5) Carbon Nanotubes by the Density Functional Theory. Advanced Materials Research, 2012, 463-464, 1488-1492.	0.3	11
17954	Electroless Coating of Silver on Multiwall Carbon Nanotubes. Materials Science Forum, 2012, 710, 774-779.	0.3	1
17955	Synthesis of Carbon Nanotube and Carbon Nanofiber in Nanopore of Anodic Aluminum Oxide Template by Chemical Vapor Deposition at Atmospheric Pressure. Advanced Materials Research, 0, 557-559, 544-549.	0.3	4
17956	Obtaining of Nanomaterials in Combustion Processes. Advanced Materials Research, 0, 486, 134-139.	0.3	3
17957	Direct integration of carbon nanotubes in Si microstructures. Journal of Micromechanics and Microengineering, 2012, 22, 074006.	2.6	21
17958	Torsional electromechanical systems based on carbon nanotubes. Reports on Progress in Physics, 2012, 75, 116501.	20.1	20
17959	Preparation and Evaluation of Lysozyme Molecularly Imprinted Polymer Film on the Surface of Multi-wall Carbon Nanotubes. Current Organic Chemistry, 2012, 16, 1461-1467.	1.6	8
17960	Dopamine biosensor with metal oxide nanoparticles decorated multi-walled carbon nanotubes. Nanoscience Methods, 2012, 1, 102-114.	1.0	23
17961	Finite Elements Analysis of the Effective Mechanical Properties of a Nano Scale Cubic Element of Epoxy Reinforced with Single Walled Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2012, 9, 2013-2017.	0.4	0
17962	Numerical Investigation on Impact Energy Absorption of Single-Walled Carbon Nanotube Reinforced Composites. , 2012, , .		1
17963	Influence of surfactant on morphology of CaWO ₄ nano- and microcrystals. Materials Research Innovations, 2012, 16, 267-270.	2.3	2
17964	Electrodeposition of copper on aligned multi-walled carbon nanotubes. Surface Engineering, 2012, 28, 435-441.	2.2	9
17965	Mechanics of Ellipsoidal Carbon Onions Inside Multiwalled Carbon Nanotubes. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	10
17966	Effects of Stone-Wales Defects on the Thermal Conductivity of Carbon Nanotubes. Journal of Heat Transfer, 2012, 134, .	2.1	13
17967	Composite Multiwalled Carbon Nanotubes as Memory Devices and Logic Gates. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	1
17968	Preferred Position and Orientation of Anticancer Drug Cisplatin During Encapsulation Into Single-Walled Carbon Nanotubes. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	4

#	ARTICLE	IF	CITATIONS
17969	Buckling and Vibration of Carbon Nanotubes Embedded in Polyethylene Polymers. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	1
17970	Multifunctional MWCNT Reinforced Self-Healing System. , 2012, , .		0
17971	Effects of Axial Load and Elastic Matrix on Flexural Wave Propagation in Nanotube With Nonlocal Timoshenko Beam Model. Journal of Vibration and Acoustics, Transactions of the ASME, 2012, 134, .	1.6	35
17972	On the Oscillation Frequency of Ellipsoidal Fullereneâ€“Carbon Nanotube Oscillators. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	20
17973	Solid-State Dye Sensitized Optoelectronic Carbon Nanotube-Wires: An Energy Harvesting Damage Sensor With Nanotechnology Approach. , 2012, , .		3
17974	Fabrication of ZnO nanorods by electrochemical deposition process and its photovoltaic properties. Materials Technology, 2012, 27, 18-20.	3.0	6
17975	Hydrogenated amorphous carbon films having embedded nanoparticles deposited by cathodic jet carbon arc technique. , 2012, , .		0
17976	Carbon Nanotube- and Graphene-based Sensors for Environmental Applications. , 2012, , 621-645.		1
17977	Fabrication of silicon oxide nanowires on Ni coated silicon substrate by simple heating process. Materials Technology, 2012, 27, 30-33.	3.0	1
17978	<i>In situ</i> synthesis of carbon nanotube coated hydroxyapatite. Materials Technology, 2012, 27, 217-219.	3.0	1
17979	Study on preparation and properties of polyimide /MWNTs triple hybrid films. , 2012, , .		1
17980	Fabrication and Mechanical Properties of a Micro/Nanoscale Hybrid Composite. International Journal of Nonlinear Sciences and Numerical Simulation, 2012, 13, .	1.0	0
17981	A doping-free approach to carbon nanotube electronics and optoelectronics. AIP Advances, 2012, 2, .	1.3	25
17982	Implicit phonon shifts and thermodynamical properties of rigid carbon nanotube bunches. AIP Advances, 2012, 2, 042192.	1.3	1
17983	Utilization of Carbon Nanotubes as a Support Material in Metal-Based Catalyst Systems: Applications in Catalysis. Recent Patents on Engineering, 2012, 6, 31-47.	0.4	8
17984	Modification of the electrical parameters of CNT-doped deformed-helix ferro-electric liquid crystals. Journal of Information Display, 2012, 13, 145-149.	4.0	2
17985	G-Quadruplex as Signal Transducer for Biorecognition Events. Current Pharmaceutical Design, 2012, 18, 2076-2095.	1.9	57
17986	Less than 10-nm Gap Silicon and Polysilicon Electrodes for Sensing pH and Yeast Concentration. Current Nanoscience, 2012, 8, 925-929.	1.2	4

#	ARTICLE	IF	CITATIONS
17987	Biofunctionalization of carbon nanotubes with artificial chlorophyll-lipid membranes: spectral characterization. , 2012, , .		0
17988	Towards convective heat transfer enhancement: surface modification, characterization and measurement techniques. Journal of Physics: Conference Series, 2012, 395, 012113.	0.4	1
17989	Carbon Nanotube and Fullerene Emissions from Spark-Ignited Engines. Aerosol Science and Technology, 2012, 46, 156-164.	3.1	27
17990	Large Scale Synthesis of Carbon Nanofibres on Sodium Chloride Support. Nanomaterials and Nanotechnology, 2012, 2, 5.	3.0	11
17991	Comparison of computational methods in the electronic structure of carbon nanotubes of single walled (8,0). Journal of Computational Methods in Sciences and Engineering, 2012, 12, 383-389.	0.2	2
17992	Effects of synthesis conditions on the synthesis of carbon nanofibers by ethanol catalytic combustion. Archives of Metallurgy and Materials, 2012, 57, 745-751.	0.6	0
17993	Responses to pulmonary exposure to carbon nanotubes. , 2012, , 134-149.		2
17994	Defect Generation in Single-Walled Carbon Nanotubes Induced by Electronic Excitation. Hyomen Kagaku, 2012, 33, 455-460.	0.0	0
17995	Synthesis and Property of BN Nanotubes and Nanosheetes. Hyomen Kagaku, 2012, 33, 569-574.	0.0	0
17996	Carbon Nanotube Devices. Hyomen Kagaku, 2012, 33, 404-412.	0.0	0
17997	Carbon nanotube structure, synthesis, and applications. , 0, , 1-37.		2
17999	A new x-ray scatter reduction method based on frequency division multiplexing x-ray imaging technique. , 2012, , .		0
18001	CNT Cantilevers Under Soft AC Actuation of Frequency Near Half Natural Frequency for Bio-Sensing Applications. , 2012, , .		0
18002	Quantifying the transverse deformability of double-walled carbon and boron nitride nanotubes using an ultrathin nanomembrane covering scheme. Journal of Applied Physics, 2012, 112, 104318.	2.5	8
18003	A study of the surface plasmon absorption band for nanoparticles. International Journal of Physical Sciences, 2012, 7, .	0.4	26
18004	Functionalized carbon nanotubes: biomedical applications. International Journal of Nanomedicine, 2012, 7, 5361.	6.7	293
18005	Low Temperature Growth of Carbon Nanomaterials on the Polymer Substrate Using Ion Assisted Microwave Plasma CVD. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2012, 25, 545-549.	0.3	6
18006	Space tether systems: review of the problem. , 2012, , 3-104.		2

#	ARTICLE	IF	CITATIONS
18007	Ceasing of voltage switching amongst graphitic shells in multiwalled carbon nanotubes: A route toward stability. Applied Physics Letters, 2012, 100, 043505.	3.3	1
18008	Biosensors and Their Principles. , 0, , .		43
18009	Electrocatalysis and determination of pyridine-2-aldoxime methochloride using carbon nanotube-modified gold electrode. Micro and Nano Letters, 2012, 7, 854.	1.3	11
18010	Research on the Elastic Modulus of Single-Walled Carbon Nanotubes. Advanced Materials Research, 2012, 591-593, 935-939.	0.3	0
18011	Characterization of Carbonaceous Active Materials Used for the Negative Electrode of Li-Ion Batteries and Capacitors. Electrochemistry, 2012, 80, 3-14.	1.4	5
18012	Selective Detection of NADH with Neutral Red Functionalized Carbon Nanotube/Plasma-polymerized Film Composite Electrode. Electrochemistry, 2012, 80, 85-87.	1.4	7
18013	Effects of Surface Modification of Carbon Nanotube on the Mechanical Properties of Multi-Walled Carbon Nanotube/Alumina Composites. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2012, 78, 843-854.	0.2	2
18014	Correlations between Thermal Conductivity and Inelastic Deformation of Aluminum Based Composites Containing VGCF-CNT Network. Journal of Solid Mechanics and Materials Engineering, 2012, 6, 801-813.	0.5	0
18015	Synthesis of patterned nanographene on insulators from focused ion beam induced deposition of carbon. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2012, 30, 03D113.	1.2	7
18016	Deposition of Pristine and Functionalized MWCNTs in Alumina Matrix by Sol-Gel Technique and Investigation of their Ammonia Sensing Properties. Nanomaterials and Nanotechnology, 2012, 2, 4.	3.0	7
18017	Phase diagrams of binary mixtures of liquid crystals and rodlike polymers in the presence of an external field. Journal of Chemical Physics, 2012, 136, 224904.	3.0	7
18018	Characterization of CO ₂ Flow Through Charged Carbon Nanotubes. Journal of Physics: Conference Series, 2012, 362, 012019.	0.4	0
18019	Dispersion of the carbon nanotubes (DWNTC) by the cationic surfactants imidazolinium type. IOP Conference Series: Materials Science and Engineering, 2012, 28, 012010.	0.6	4
18020	Effects of TiO ₂ buffer layer on carbon nanotube grown on Ti substrate by thermal chemical vapour deposition and their electrochemical properties. Materials Technology, 2012, 27, 27-29.	3.0	3
18021	Study on erosion resistance characteristics of Fe-MWCNT composite plating with respect to lead-free solder. Journal of Physics: Conference Series, 2012, 379, 012025.	0.4	3
18024	Carbon Nanotubes and Other Tube Structures. , 2012, , 215-252.		1
18025	Engineering materials properties in codimension > 0. Journal of Materials Research, 2012, 27, 619-626.	2.6	1
18026	Stimulation of Minerals by Carbon Nanotube Grafted Glucosamine in Mouse Mesenchymal Stem Cells for Bone Tissue Engineering. Journal of Biomedical Nanotechnology, 2012, 8, 676-685.	1.1	11

#	ARTICLE	IF	CITATIONS
18027	Multifunctional Nanoprepregs Based on Aligned Carbon Nanotube Sheets. Materials Research Society Symposia Proceedings, 2012, 1407, 32.	0.1	1
18028	Investigation of the mechanical properties of polyethylene/carbon nanotube composite by molecular dynamics simulation. International Journal of Nano and Biomaterials, 2012, 4, 54.	0.1	4
18029	Ten years of electron microscopy of nanomaterials in St. Andrews. International Journal of Nanotechnology, 2012, 9, 69.	0.2	0
18030	Preparation and characterization of nano-composites with carbon nanotubes and core-shell type polyaniline for the conductive colloidal ink. Proceedings of SPIE, 2012, , .	0.8	1
18031	- Diffusion through Polymers Containing Platelike Nanomaterials. , 2012, , 490-517.		0
18032	Encyclopedia of Carbon Nanoforms. , 2012, , 1-65.		2
18033	The Correction of Finite Thickness to the Vibrational Spectra of a Spherical Elastic Shell. Journal of the Physical Society of Japan, 2012, 81, 094606.	1.6	1
18034	Transport Properties of Closely-Packed Carbon Nanotubes Film on SiC Tuned by Si-Doping. Applied Physics Express, 2012, 5, 105102.	2.4	4
18035	New Synthetic Opportunities in Miniaturized Flow Reactors with Inductive Heating. Chemistry Letters, 2012, 41, 562-570.	1.3	110
18036	Collective Interactions of Molecules with an Interfacial Solid. Chemistry Letters, 2012, 41, 466-475.	1.3	31
18037	Small- and Large-angle X-ray Scattering Studies of Nanometer-order Sulfuric Acid Solution in Carbon Micropores. Chemistry Letters, 2012, 41, 159-161.	1.3	5
18038	Carbon Nanotube-Polypyrrole Hybrid Films as Potentiometric Peroxide Biosensors. Chemistry Letters, 2012, 41, 1492-1494.	1.3	4
18039	Aqueous Dispersions of Carbon Nanotubes with Self-assembled Micelles of Photosensitive Amphiphilic Random Copolymer Containing Coumarin. Chemistry Letters, 2012, 41, 50-52.	1.3	7
18040	TiO ₂ Nanotube Utilizing a CNT Template and Its Performance as the Anode of a Dye-sensitized Solar Cell. Chemistry Letters, 2012, 41, 56-57.	1.3	1
18041	Innovative carbon nanotube-silicon large area photodetector. Journal of Instrumentation, 2012, 7, P08013-P08013.	1.2	15
18042	Synthesis of carbon nanotube/ZnO nanocomposites using absorbent cotton and their photocatalytic activity. Micro and Nano Letters, 2012, 7, 1064-1068.	1.3	8
18043	Multifunctional Tumor-Targeted Nanoparticles for Lung Cancer. , 2012, , 15-44.		2
18044	A Highly Efficient Nano-Cluster Artificial Peroxidase and Its Direct Electrochemistry on a Nano Complex Modified Glassy Carbon Electrode. Analytical Sciences, 2012, 28, 711-716.	1.6	10

#	ARTICLE	IF	CITATIONS
18045	Curvature Effects on Magnetoelectronic Properties of Nanographene Ribbons. Journal of the Physical Society of Japan, 2012, 81, 064719.	1.6	7
18046	Single-Walled Carbon Nanotubes Downregulate Stress-Responsive Genes in Human Respiratory Tract Cells. Biological and Pharmaceutical Bulletin, 2012, 35, 455-463.	1.4	4
18047	Thermal Boundary Conductance between Multi-Walled Carbon Nanotubes. Journal of Thermal Science and Technology, 2012, 7, 190-198.	1.1	11
18048	Influence of Thermal Boundary Resistance and Interfacial Phonon Scattering on Heat Conduction of Carbon Nanotube/Polymer Composites. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2012, 78, 634-643.	0.2	1
18049	Nano crystalline tungsten mono-carbide synthesis from tungstic acid and polyacrylonitrile mixed powder. Journal of the Ceramic Society of Japan, 2012, 120, 262-264.	1.1	3
18050	Synthesis, Characterization, and Computational Studies of Cycloparaphenylene Dimers. Journal of the American Chemical Society, 2012, 134, 19709-19715.	13.7	115
18051	Raman Spectroscopy of Carbon Nanostructures: Nonlinear Effects and Anharmonicity. , 2012, , 137-165.		0
18052	A new strategy for simultaneous determination of cysteamine in the presence of high concentration of tryptophan using vinylferrocene-modified multiwall carbon nanotubes paste electrode. Journal of Solid State Electrochemistry, 2012, 16, 2949-2955.	2.5	22
18053	Charge impurity as a localization center for singlet excitons in single-wall nanotubes. Physical Review B, 2012, 86, .	3.2	18
18054	Controlling the Particle Size of ZrO ₂ Nanoparticles in Hydrothermally Stable ZrO ₂ /MWCNT Composites. Langmuir, 2012, 28, 17159-17167.	3.5	17
18055	Assembly and Post-Modification of a Metal-Organic Nanotube for Highly Efficient Catalysis. Journal of the American Chemical Society, 2012, 134, 19851-19857.	13.7	234
18056	Thiacalixarene Covalently Functionalized Multiwalled Carbon Nanotubes as Chemically Modified Electrode Material for Detection of Ultratrace Pb ²⁺ Ions. Analytical Chemistry, 2012, 84, 10560-10567.	6.5	76
18057	Functionalization of Carbon Nanotubes with Ionic Liquids. , 2012, , 399-434.		2
18058	Water soluble carbon nano-onions from wood wool as growth promoters for gram plants. Nanoscale, 2012, 4, 7670.	5.6	126
18059	Preparation of amorphous carbon nanotubes using attapulgite as template and furfuryl alcohol as carbon source. Journal of Non-Crystalline Solids, 2012, 358, 2723-2726.	3.1	25
18060	Magnetoporation and Magnetolysis of Cancer Cells via Carbon Nanotubes Induced by Rotating Magnetic Fields. Nano Letters, 2012, 12, 5117-5121.	9.1	64
18061	Scalable continuous growth of carbon nanotubes on moving fiber substrates. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1914-1920.	7.6	6
18062	Radiation Effects in Graphite. , 2012, , 299-324.		7

#	ARTICLE	IF	CITATIONS
18063	Syntheses of Boron Nitride Nanotubes from Borazine and Decaborane Molecular Precursors by Catalytic Chemical Vapor Deposition with a Floating Nickel Catalyst. Chemistry of Materials, 2012, 24, 2872-2879.	6.7	46
18064	Nanotube holograms. Nature, 2012, 491, 47-48.	27.8	2
18065	Magnetically Capped Rolled-up Nanomembranes. Nano Letters, 2012, 12, 3961-3966.	9.1	50
18066	Nanocrystalline and Disordered Carbon Materials. , 2012, , 675-706.		3
18067	Highly efficient carbon nanotube growth on plasma pretreated stainless steel substrates. Thin Solid Films, 2012, 521, 102-106.	1.8	12
18068	Synthesis of Carbon Nanotube@Anatase TiO ₂ Sub-micrometer-sized Sphere Composite Photocatalyst for Synergistic Degradation of Gaseous Styrene. ACS Applied Materials & Interfaces, 2012, 4, 5988-5996.	8.0	128
18069	Nanocomposites and Hybrid Materials. , 2012, , 177-209.		8
18070	Scattering characteristics of metallic single wall carbon nanotubes embedded in dielectric medium. , 2012, , .		0
18071	Manufacturing and investigations of i-butane sensor made of SnO ₂ /multiwall-carbon-nanotube nanocomposite. Sensors and Actuators B: Chemical, 2012, 173, 890-896.	7.8	23
18072	Application of a modified carbon nanotube paste electrode for simultaneous determination of epinephrine, uric acid and folic acid. Analytical Methods, 2012, 4, 1029.	2.7	25
18073	Toxicity Issues Related to Biomedical Applications of Carbon Nanotubes. Journal of Nanomedicine & Nanotechnology, 2012, 03, .	1.1	37
18074	Optimizing the thermoelectric performance of zigzag and chiral carbon nanotubes. Nanoscale Research Letters, 2012, 7, 116.	5.7	19
18075	Electric field induced needle-pulsed arc discharge carbon nanotube production apparatus: Circuitry and mechanical design. Review of Scientific Instruments, 2012, 83, 123907.	1.3	10
18076	Carbon Nanomaterials: Synthesis, Properties and Applications. Nanoscience and Technology, 2012, , 23-46.	1.5	0
18077	Stress-Driven and Carbon-Assisted Growth of SiO_xN_y Nanowires on Photoresist-Derived Carbon Microelectrode. Journal of Microelectromechanical Systems, 2012, 21, 1445-1451.	2.5	3
18078	Properties of Oil Well Cement Reinforced by Carbon Nanotubes. , 2012, , .		12
18079	Isoelectronic Doping of Graphdiyne with Boron and Nitrogen: Stable Configurations and Band Gap Modification. Journal of Physical Chemistry A, 2012, 116, 3934-3939.	2.5	142
18080	Tunneling resistance and its effect on the electrical conductivity of carbon nanotube nanocomposites. Journal of Applied Physics, 2012, 111, .	2.5	230

#	ARTICLE	IF	CITATIONS
18081	First-principles study of hydrogenated graphyne and its family: Stable configurations and electronic structures. <i>Diamond and Related Materials</i> , 2012, 29, 42-47.	3.9	71
18082	Assemblies of artificial photosynthetic reaction centres. <i>Journal of Materials Chemistry</i> , 2012, 22, 4575.	6.7	144
18083	Selection of Single-Walled Carbon Nanotube with Narrow Diameter Distribution by Using a PPE-PPV Copolymer. <i>ACS Macro Letters</i> , 2012, 1, 246-251.	4.8	28
18084	Personal perspectives on graphene: New graphene-related materials on the horizon. <i>MRS Bulletin</i> , 2012, 37, 1314-1318.	3.5	38
18085	Modelling Carbon Nanotubes-Based Mediatorless Biosensor. <i>Sensors</i> , 2012, 12, 9146-9160.	3.8	10
18087	Liposomes. , 2012, , 1218-1223.		0
18088	Respiratory toxicities of nanomaterials – A focus on carbon nanotubes. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1694-1699.	13.7	49
18089	Assessment of Cytotoxicity of Carbon Nanoparticles Using 3-(4,5-Dimethylthiazol-2-yl)-5-(3-Carboxymethoxyphenyl)-2-(4-Sulfophenyl)-2H-Tetrazolium (MTS) Cell Viability Assay. <i>Methods in Molecular Biology</i> , 2012, 906, 395-402.	0.9	6
18090	Carbon nanotube based stationary phases for microchip chromatography. <i>Lab on A Chip</i> , 2012, 12, 1951.	6.0	21
18091	The ohmic resistance effect for characterisation of carbon nanotube paste electrodes (CNTPEs). <i>RSC Advances</i> , 2012, 2, 3684.	3.6	10
18092	Electron Beam Sources Based on Carbon Nanotube for THz Applications. , 2012, , 93-111.		0
18093	The rheology of multiwalled carbon nanotube and carbon black suspensions. <i>Journal of Rheology</i> , 2012, 56, 1465-1490.	2.6	42
18094	Review of Electrochemical Capacitors Based on Carbon Nanotubes and Graphene. <i>Graphene</i> , 2012, 01, 1-13.	1.0	102
18095	A supersensitive sensor for rutin detection based on multi-walled carbon nanotubes and gold nanoparticles modified carbon paste electrodes. <i>Analytical Methods</i> , 2012, 4, 1350.	2.7	28
18096	Nanotechnology in Neuromodulation. <i>International Review of Neurobiology</i> , 2012, 107, 161-184.	2.0	0
18097	Assembly of suspended graphene on carbon nanotube scaffolds with improved functionalities. <i>Nano Research</i> , 2012, 5, 783-795.	10.4	9
18098	From ZnS nanoparticles, nanobelts, to nanotetrapods: the ethylenediamine modulated anisotropic growth of ZnS nanostructures. <i>Nanoscale</i> , 2012, 4, 2394.	5.6	29
18099	A structural stability diagram of multiple vacancies and defect self-healing in graphene. <i>Nanoscale</i> , 2012, 4, 7489.	5.6	15

#	ARTICLE	IF	CITATIONS
18100	A feasible way to use carbon nanotubes to deliver drug molecules: transdermal application. Expert Opinion on Drug Delivery, 2012, 9, 991-999.	5.0	19
18101	Response of Soil Microorganisms to As-Produced and Functionalized Single-Wall Carbon Nanotubes (SWNTs). Environmental Science & Technology, 2012, 46, 13471-13479.	10.0	63
18102	Electrochemical Detection of DNA Using Nanomaterials Based Sensors. Soft and Biological Matter, 2012, , 185-201.	0.3	0
18103	Density Functional Study of Interaction of Lithium with Pristine and Stone-Wales-Defective Single-Walled Silicon Carbide Nanotubes. Journal of Physical Chemistry C, 2012, 116, 26888-26897.	3.1	22
18104	Synthesis of high-quality carbon nanodots from hydrophilic compounds: role of functional groups. Chemical Communications, 2012, 48, 3984.	4.1	468
18105	Sensing Skin for Strain Monitoring Made of PCâ€“CNT Conductive Polymer Nanocomposite Sprayed Layer by Layer. ACS Applied Materials & Interfaces, 2012, 4, 3508-3516.	8.0	65
18106	Functional monolayers from carbon nanostructures â€“ fullerenes, carbon nanotubes, and graphene â€“ as novel materials for solar energy conversion. Coordination Chemistry Reviews, 2012, 256, 2628-2639.	18.8	71
18107	Towards a miniaturized non-radioactive electron emitter with proximity focusing. International Journal for Ion Mobility Spectrometry, 2012, 15, 223-229.	1.4	9
18108	Fine structure analysis of spherical carbon particles produced in a methane plasma. Diamond and Related Materials, 2012, 27-28, 10-13.	3.9	4
18109	Nanocomposite based on modified multiwalled carbon nanotubes: Fabrication by an oriented spinning process and electrical conductivity. Inorganic Materials, 2012, 48, 997-1000.	0.8	2
18111	Carbon nanotubes as nanocarriers in medicine. Current Opinion in Colloid and Interface Science, 2012, 17, 360-368.	7.4	97
18112	Energy and environmental applications of carbon nanotubes. Environmental Chemistry Letters, 2012, 10, 265-273.	16.2	125
18113	Soft matter engineering of carbon nanotubes: polyelectrolytes as tools for surface tailoring, self-organization and templation of hybrid nanostructures. Soft Matter, 2012, 8, 9727.	2.7	3
18114	Cylindrical Fresnel lenses based on carbon nanotube forests. Applied Physics Letters, 2012, 101, .	3.3	26
18115	High-voltage electric-field-induced growth of aligned â€œcow-nipple-likeâ€“submicro-nano carbon isomeric structure via chemical vapor deposition. Journal of Applied Physics, 2012, 112, 114310.	2.5	5
18116	Effect of functional groups on the radial collapse and elasticity of carbon nanotubes under hydrostatic pressure. Nanoscale, 2012, 4, 3894.	5.6	14
18117	Kinetic and Thermodynamic Studies of Toluene, Ethylbenzene, and <i>m</i> -Xylene Adsorption from Aqueous Solutions onto KOH-Activated Multiwalled Carbon Nanotubes. Journal of Agricultural and Food Chemistry, 2012, 60, 12245-12253.	5.2	93
18118	Synthesis and Properties of Aluminum Nitride Nanostructures. Nanoscience and Technology, 2012, , 103-136.	1.5	2

#	ARTICLE	IF	CITATIONS
18119	Control of nanostructure of materials. , 2012, , 177-265.		0
18120	Past achievements and future challenges in the development of optically transparent electrodes. Nature Photonics, 2012, 6, 809-817.	31.4	1,688
18121	Fabrication of a sensor for simultaneous determination of norepinephrine, acetaminophen and tryptophan using a modified carbon nanotube paste electrode. Analytical Methods, 2012, 4, 259-264.	2.7	87
18122	Electronic Structure and Aromaticity of Graphene Nanoribbons. Chemistry - A European Journal, 2012, 18, 6183-6194.	3.3	56
18123	Investigation of the behavior of the Ni catalyst in chemical vapor deposition synthesis of carbon nanopearls. Proceedings of SPIE, 2012, , .	0.8	0
18126	A review and analysis of microwave absorption in polymer composites filled with carbonaceous particles. Journal of Applied Physics, 2012, 111, 061301.	2.5	996
18127	Probing the Chemical Functionalization of Single-Walled Carbon Nanotubes with Multiple Carbon Ad-Dimer Defects. ChemPhysChem, 2012, 13, 1232-1239.	2.1	9
18128	63.2: Field Emission Display with Homogenized Carbon Nanotube Emitters Grown by Resist-Assisted Patterning Process. Digest of Technical Papers SID International Symposium, 2012, 43, 857-860.	0.3	0
18129	Influence of the epoxy functionalization of multiwall carbon nanotubes on the nonisothermal cure kinetics and thermal properties of epoxy/multiwall carbon nanotube nanocomposites. Polymer Composites, 2012, 33, 1085-1093.	4.6	13
18130	Novel bismuth/multi-walled carbon nanotubes-based electrochemical sensor for the determination of neuroprotective drug cilostazol. Journal of Applied Electrochemistry, 2012, 42, 341-348.	2.9	35
18131	Tribological behavior of CNTs-Cu and graphite-Cu composites with electric current. Transactions of Nonferrous Metals Society of China, 2012, 22, 78-84.	4.2	25
18132	Carbon as a hard template for nano material catalysts. Journal of Natural Gas Chemistry, 2012, 21, 215-232.	1.8	43
18133	Effect of Substrate Surface Microstructure on Heterogeneous Nucleation Behavior. Journal of Materials Science and Technology, 2012, 28, 67-72.	10.7	22
18134	Carbon Xerogel-supported Iron as a Catalyst in Combustion Synthesis of Carbon Fibrous Nanostructures. Journal of Materials Science and Technology, 2012, 28, 294-302.	10.7	5
18135	Oxygen Barrier of Multiwalled Carbon Nanotube/Polymethyl Methacrylate Nanocomposites Prepared by in situ Method. Journal of Materials Science and Technology, 2012, 28, 391-395.	10.7	21
18136	Acute toxic and cytogenetic effects of carbon nanotubes on aquatic organisms and bacteria. Nanotechnologies in Russia, 2012, 7, 509-516.	0.7	11
18137	Synthesis of nanocrystalline carbon upon methane pyrolysis in arc discharge. Nanotechnologies in Russia, 2012, 7, 654-657.	0.7	4
18138	A Potentiometric Sensor for Cd ²⁺ Based on Carbon Nanotube Paste Electrode Constructed from Room Temperature Ionic Liquid, Ionophore and Silica Nanoparticles. Electroanalysis, 2012, 24, 2176-2185.	2.9	54

#	ARTICLE	IF	CITATIONS
18139	20 W High-Power Picosecond Single-Walled Carbon Nanotube Based MOPA Laser System. Journal of Lightwave Technology, 2012, 30, 2713-2717.	4.6	14
18140	Carbon Nanotubes in Cancer Therapy and Drug Delivery. , 2012, , 347-363.		22
18141	Titanium Nanotubes as Carriers of Osteogenic Growth Factors and Antibacterial Drugs for Applications in Dental Implantology. , 2012, , 103-111.		2
18142	Observation of flower-like patterns in syndiotactic polystyrene/carbon nanotube nanocomposite films. RSC Advances, 2012, 2, 7964.	3.6	2
18143	Single-Walled Aluminosilicate Nanotube/Poly(vinyl alcohol) Nanocomposite Membranes. ACS Applied Materials & Interfaces, 2012, 4, 965-976.	8.0	83
18144	Carbon/Silicon Heterojunction Formed by Inserting Carbon Nanotubes into Silicon Nanotubes: Molecular Dynamics Simulations. Journal of Physical Chemistry C, 2012, 116, 23181-23187.	3.1	4
18145	Size effect of spin-polarized transport in FM/Single-walled carbon nanotube/FM junctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3295-3300.	2.1	2
18147	Nitrogen-Doped Mesoporous Carbon for Carbon Capture â€” A Molecular Simulation Study. Journal of Physical Chemistry C, 2012, 116, 7106-7110.	3.1	48
18148	Application of Taguchi experimental design in optimization of desalination using purified carbon nanotubes as adsorbent. Materials Research Bulletin, 2012, 47, 2389-2395.	5.2	27
18149	Toughening of zirconia/alumina composites by the addition of graphene platelets. Journal of the European Ceramic Society, 2012, 32, 4185-4193.	5.7	216
18150	In situ synthesis of graphene/single-walled carbon nanotube hybrid material by arc-discharge and its application in supercapacitors. Nano Energy, 2012, 1, 820-827.	16.0	81
18151	Synthesis and Lithium Storage Mechanism of Ultrafine MoO ₂ Nanorods. Chemistry of Materials, 2012, 24, 457-463.	6.7	230
18152	Recent Advances in Manganese Oxide Nanocrystals: Fabrication, Characterization, and Microstructure. Chemical Reviews, 2012, 112, 3833-3855.	47.7	219
18153	Collapse and Stability of functionalized Carbon Nanotubes on Fe (1 0 0) Surface. RSC Advances, 2012, 2, 7549.	3.6	6
18154	Electromechanical properties of single-walled carbon nanotube devices on micromachined cantilevers. Journal of Micromechanics and Microengineering, 2012, 22, 115010.	2.6	5
18157	A Biocompatible Fluorescent Ink Based on Waterâ€”Soluble Luminescent Carbon Nanodots. Angewandte Chemie - International Edition, 2012, 51, 12215-12218.	13.8	1,050
18158	A General Strategy for the Synthesis of Carbon Nanofibers from Solid Carbon Materials. Angewandte Chemie - International Edition, 2012, 51, 12202-12205.	13.8	17
18159	Photochemical Evidence of Electronic Interwall Communication in Doubleâ€”Wall Carbon Nanotubes. Chemistry - A European Journal, 2012, 18, 16922-16930.	3.3	11

#	ARTICLE	IF	CITATIONS
18160	Improved Selectivity by Stabilizing and Exposing Active Phases on Supported Pd Nanoparticles in Acetylene-Selective Hydrogenation. Chemistry - A European Journal, 2012, 18, 14962-14966.	3.3	50
18161	Synthesis of Mesoporous MoO ₃ Nanoribbons through a Multi-molybdate Coordination-Polymer-Precursor Route. European Journal of Inorganic Chemistry, 2012, 2012, 5831-5836.	2.0	17
18162	Topical Developments of Nanoporous Membrane Filters for Ultrafine Noble Metal Nanoparticles. European Journal of Inorganic Chemistry, 2012, 2012, 5439-5450.	2.0	24
18163	Elution behavior of shortened multiwalled carbon nanotubes in size exclusion chromatography. Journal of Separation Science, 2012, 35, 3250-3256.	2.5	3
18164	Synthesis and characterization of multiwalled carbon nanotube/polyurethane composites via surface modification multiwalled carbon nanotubes using silane coupling agent. Polymer Composites, 2012, 33, 1866-1873.	4.6	16
18165	Facilely constructing robust nanohybrids comprising high dispersion of platinum-ruthenium nanoparticles on carbon nanotubes and their enhanced electrocatalytic performance. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2532-2538.	1.8	1
18166	SiO ₂ /MgO coated multiwalled carbon nanotubes in polymer composites. Physica Status Solidi (B): Basic Research, 2012, 249, 2333-2336.	1.5	2
18167	Effect of processing methods and functional groups on the properties of multi-walled carbon nanotube filled poly(dimethyl siloxane) composites. Polymer Bulletin, 2012, 69, 937-953.	3.3	33
18168	Study of third-harmonic generation in zigzag carbon nanotubes using the Green function approach. Applied Physics A: Materials Science and Processing, 2012, 109, 503-508.	2.3	2
18169	Effect of electron phonon interaction on the optical conductivity of zigzag carbon nanotubes. Applied Physics A: Materials Science and Processing, 2012, 109, 343-347.	2.3	11
18170	Solution processed fabrication of single wall carbon nanotubes thin film by electrohydrodynamic atomization deposition technique and its characterization. Applied Physics A: Materials Science and Processing, 2012, 109, 515-522.	2.3	7
18171	Nitrate adsorption by carbon nanotubes in the vacuum and aqueous phase. Monatshefte für Chemie, 2012, 143, 1623-1626.	1.8	68
18172	Cation- π interaction of alkali metal ions with C ₂₄ fullerene: a DFT study. Journal of Molecular Modeling, 2012, 18, 3535-3540.	1.8	81
18173	Density functional investigation of hydrogen gas adsorption on Fe-doped pristine and Stone-Wales defected single-walled carbon nanotubes. Journal of Molecular Modeling, 2012, 18, 3941-3949.	1.8	37
18174	Electric field effect on (6,0) zigzag single-walled aluminum nitride nanotube. Journal of Molecular Modeling, 2012, 18, 4477-4489.	1.8	10
18175	Computational study of Au ₄ cluster on a carbon nanotube with and without defects using QM/MM methodology. Journal of Molecular Modeling, 2012, 18, 4885-4891.	1.8	5
18176	Electrochemical oxidation behavior of methotrexate at DNA/SWCNT/Nafion composite film-modified glassy carbon electrode. Journal of Solid State Electrochemistry, 2012, 16, 3227-3235.	2.5	37
18177	Porous alumina membranes with branched nanopores as templates for fabrication of Y-shaped nanowire arrays. Journal of Solid State Electrochemistry, 2012, 16, 3611-3619.	2.5	35

#	ARTICLE	IF	CITATIONS
18178	HP-SPME of Volatile Polycyclic Aromatic Hydrocarbons from Water Using Multiwalled Carbon Nanotubes Coated on a Steel Fiber through Electrophoretic Deposition. <i>Chromatographia</i> , 2012, 75, 913-921.	1.3	49
18179	Two-level parallelization of Ehrenfest force calculations in ab initio molecular dynamics simulation. <i>Cluster Computing</i> , 2012, 15, 255-263.	5.0	0
18180	Sustainable Engineering Science for Resolving Wicked Problems. <i>Journal of Agricultural and Environmental Ethics</i> , 2012, 25, 467-484.	1.7	72
18181	Boson Gas in a Periodic Array of Tubes. <i>Journal of Low Temperature Physics</i> , 2012, 168, 258-274.	1.4	3
18182	Face-spiral codes in cubic polyhedral graphs with face sizes no larger than 6. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 2272-2280.	1.5	2
18183	Repeat space theory applied to carbon nanotubes and related molecular networks. III. <i>Journal of Mathematical Chemistry</i> , 2012, 50, 2606-2622.	1.5	2
18184	Decoration of MWCNTs with CoFe ₂ O ₄ Nanoparticles for Methylene Blue Dye Adsorption. <i>Journal of Solution Chemistry</i> , 2012, 41, 2209-2225.	1.2	50
18185	Removal of UO ₂ ²⁺ from aqueous solution by plasma functionalized MWCNTs. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 899-906.	1.5	24
18186	Direct functionalization of pristine single-walled carbon nanotubes by diazonium-based method with various five-membered S- or N- heteroaromatic amines. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	8
18187	Structural and electrical characterization of bamboo-shaped C ₆₀ N nanotubes/poly ethylene oxide (PEO) composite films. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	6
18188	Influence of adding carbon nanotubes on photoelectric conversion properties of dye-doped titania gel. <i>Research on Chemical Intermediates</i> , 2012, 38, 1857-1869.	2.7	1
18189	CO ₂ capture and MWCNTs synthesis using mesoporous silica and zeolite 13X collectively prepared from bottom ash. <i>Catalysis Today</i> , 2012, 190, 15-22.	4.4	43
18190	Adsorption of anionic dye Direct Red 23 onto magnetic multi-walled carbon nanotubes-Fe ₃ C nanocomposite: Kinetics, equilibrium and thermodynamics. <i>Chemical Engineering Journal</i> , 2012, 210, 87-95.	12.7	158
18191	Poly(acrylic acid) grafted multiwall carbon nanotubes by plasma techniques for Co(II) removal from aqueous solution. <i>Chemical Engineering Journal</i> , 2012, 210, 475-481.	12.7	89
18192	Effect of grinding speed changes on dispersibility of the treated multi-walled carbon nanotubes in aqueous solution and its thermal characteristics. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012, 61, 36-41.	3.6	26
18193	The functionalization of carbon nanotubes using a batch oscillatory flow reactor. <i>Chemical Engineering Science</i> , 2012, 84, 544-551.	3.8	5
18194	Interaction between carbon nanotubes and soil colloids studied with X-ray spectromicroscopy. <i>Chemical Geology</i> , 2012, 329, 32-41.	3.3	8
18195	The preferential permeation of ions across carbon and boron nitride nanotubes. <i>Chemical Physics</i> , 2012, 403, 105-112.	1.9	27

#	ARTICLE	IF	CITATIONS
18196	Proton transfer reactions in carbon nanotubes endohedrally functionalized with selected polar amino acid sidechains. <i>Chemical Physics</i> , 2012, 405, 107-116.	1.9	4
18197	Theoretical study on the combined systems of peanut-shaped carbon nanotubes encapsulated in single-walled carbon nanotubes. <i>Chemical Physics</i> , 2012, 406, 65-71.	1.9	4
18198	A CFD study on a vertical chemical vapor deposition reactor for growing carbon nanofibers. <i>Chemical Engineering Research and Design</i> , 2012, 90, 2293-2301.	5.6	21
18199	A high sensitive voltammetric sensor for qualitative and quantitative determination of phenobarbital as an antiepileptic drug in presence of acetaminophen. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 95, 121-128.	5.0	59
18200	The effect of interfacial shear strength on damping behavior of carbon nanotube reinforced composites. <i>International Journal of Solids and Structures</i> , 2012, 49, 3823-3837.	2.7	54
18201	Characterization of nanostructured thermal interface materials – A review. <i>International Journal of Thermal Sciences</i> , 2012, 62, 2-11.	4.9	157
18202	Interfacial reaction and shear strength of Ni-coated carbon nanotubes reinforced Sn–Ag–Cu solder joints during thermal cycling. <i>Intermetallics</i> , 2012, 31, 72-78.	3.9	75
18203	Fabrication of carbon nanofiber reinforced aluminum alloy nanocomposites by a liquid process. <i>Journal of Alloys and Compounds</i> , 2012, 542, 111-117.	5.5	86
18204	Buckling analysis of carbon nanotube bundles under axial compressive, bending and torsional loadings via a structural mechanics model. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1282-1289.	4.0	4
18205	Nanocomposites with enhanced electrical properties based on biodegradable poly(butylene succinate) and polyetheramine modified carbon nanotube. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 322-328.	5.3	15
18206	In vitro toxicity of multi-walled carbon nanotubes in C6 rat glioma cells. <i>NeuroToxicology</i> , 2012, 33, 1128-1134.	3.0	81
18207	Nanocomposites of Carbon Nanotube (CNTs)/CuO with High Sensitivity to Organic Volatiles at Room Temperature. <i>Procedia Engineering</i> , 2012, 36, 235-245.	1.2	34
18208	The Low Temperature Resistance Test of Buckypaper and Its Microwave Application. <i>Procedia Engineering</i> , 2012, 36, 589-596.	1.2	2
18209	Comparative Molecular Dynamics Simulation Study of Mechanical Properties of Carbon Nanotubes with Number of Stone-Wales and Vacancy Defects. <i>Procedia Engineering</i> , 2012, 38, 2347-2355.	1.2	63
18210	Effect of Multiple Stone-Wales and Vacancy Defects on the Mechanical Behavior of Carbon Nanotubes Using Molecular Dynamics. <i>Procedia Engineering</i> , 2012, 38, 3373-3380.	1.2	40
18211	Carbon-Nanotube-Based FR-4 Patch Antenna as a Bio-Material Sensor. <i>Procedia Engineering</i> , 2012, 41, 724-728.	1.2	8
18212	Preparation and Characterization of Co-Mo Catalyst Supported on CNT Coated Cordierite Monoliths Utilized for Naphta HDS Process. <i>Procedia Engineering</i> , 2012, 42, 1484-1492.	1.2	23
18213	Multiple liquid impacts on polymeric matrix composites reinforced with carbon nanotubes. <i>Wear</i> , 2012, 294-295, 336-346.	3.1	23

#	ARTICLE	IF	CITATIONS
18214	Stabilities of silicon carbide nanocones: a nanocluster-based study. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	11
18215	Structural stability of nitrogen-doped ultrathin single-walled boron nanotubes: an ab initio study. Applied Nanoscience (Switzerland), 2012, 2, 345-349.	3.1	5
18216	Synthesis and characterization of water soluble functionalized amorphous carbon nanotube-poly(vinyl alcohol) composite. Macromolecular Research, 2012, 20, 1021-1028.	2.4	16
18217	Effects of multi-walled carbon nanotubes on rheological and physical properties of polyamide-based thermoplastic elastomers. Korea Australia Rheology Journal, 2012, 24, 221-227.	1.7	27
18218	Nonlocal Finite Element Analysis of CNTs with Timoshenko Beam Theory and Thermal Environment. Journal of the Institution of Engineers (India): Series C, 2012, 93, 331-343.	1.2	3
18219	Carbon nanotube formation using zeolite template and applications. Journal of Advanced Ceramics, 2012, 1, 179-193.	17.4	23
18220	Electrochemical and electromechanical properties of high performance polymer actuators using multi-walled carbon nanotubes containing ruthenium oxide. Sensors and Actuators B: Chemical, 2012, 174, 217-224.	7.8	6
18224	Effects of boron/phosphorus co-doping in metallic single-walled carbon nanotubes. Physica Scripta, 2012, 85, 045701.	2.5	5
18225	Nucleation Mechanisms of Aromatic Polyesters, PET, PBT, and PEN, on Single-Wall Carbon Nanotubes: Early Nucleation Stages. Journal of Nanomaterials, 2012, 2012, 1-10.	2.7	12
18226	Catalyst-assisted synthesis and growth mechanism of ultra-long single crystal β -Si ₃ N ₄ nanobelts with strong violet-blue luminescent properties. CrystEngComm, 2012, 14, 7301.	2.6	39
18227	Nano-gyroscope device using field emission of isolated carbon nanotube. , 2012, , .		1
18228	Structural functionality analysis of nanostructured thermal interface materials. , 2012, , .		0
18229	Carbon Nanotubes: Artificial Nanomaterials to Engineer Single Neurons and Neuronal Networks. ACS Chemical Neuroscience, 2012, 3, 611-618.	3.5	103
18230	Molecular dynamics simulations of the contact angle between water droplets and graphite surfaces. Fluid Phase Equilibria, 2012, 332, 173-177.	2.5	66
18231	Field emission properties of tapered carbon nanotubes synthesized by the pyrolysis of poly(ethylene) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	8.9	13
18232	Superior performance of manganese oxide/multi-walled carbon nanotubes polymer actuator over ruthenium oxide/multi-walled carbon nanotubes and single-walled carbon nanotubes. Sensors and Actuators B: Chemical, 2012, 171-172, 595-601.	7.8	32
18233	Lead phthalocyanine modified carbon nanotubes with enhanced NH ₃ sensing performance. Sensors and Actuators B: Chemical, 2012, 171-172, 398-404.	7.8	48
18234	Selective preparation of polyhedral graphite particles and multi-wall carbon nanotubes by a transferred arc under atmospheric pressure. Diamond and Related Materials, 2012, 30, 70-76.	3.9	29

#	ARTICLE	IF	CITATIONS
18235	Characterization of novel impedimetric pH-sensors based on solution-processable biocompatible thin-film semiconducting organic coatings. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 537-543.	7.8	15
18236	Electronic conjugation of carbon atoms in spherical and cylindrical molecules. <i>Carbon</i> , 2012, 50, 5217-5225.	10.3	9
18237	Ejection of DNA molecules from carbon nanotubes. <i>Carbon</i> , 2012, 50, 4945-4952.	10.3	27
18238	The effects of carbon nanofibre on the liquid crystalline behaviour and cholesteric pitch of aqueous solutions of hydroxypropyl cellulose. <i>Liquid Crystals</i> , 2012, 39, 285-294.	2.2	5
18239	Experimental research on the microwave properties of carbon nanotube array. , 2012, , .		1
18240	The effect of temperature on compressive mechanical behavior of SWCNT-Ni. , 2012, , .		1
18242	Thermal Effect on Dynamic Stability of Single-Walled Carbon Nanotubes in Low and High Temperatures Based on Nonlocal Shell Theory. <i>Advanced Materials Research</i> , 0, 622-623, 959-964.	0.3	1
18243	Thermal-assisted field emission from carbon nanotube cathode. , 2012, , .		0
18244	Comparative performance analysis of Dual-X CCII designed using bulk CMOS & hybrid approach at 32nm node. , 2012, , .		0
18245	First-principles study of interaction of lithium atoms with H-adsorbed (3, 3) single-walled carbon nanotube. , 2012, , .		0
18246	Wavelike deformation traveling on a carbon nanotube. <i>Nanoscale</i> , 2012, 4, 269-277.	5.6	2
18247	Diamond nanowire “a challenge from extremes. <i>Nanoscale</i> , 2012, 4, 5293.	5.6	34
18248	Purification of double-walled carbon nanotube macro-films. <i>New Journal of Chemistry</i> , 2012, 36, 542-545.	2.8	4
18249	Study Kinetics of Thermal Decomposition and Electrochemical Oxidation by Using Nanocomposite Paste of Novel Poly(amide-ether)s Derived from Asymmetric Diamine. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2012, 49, 772-783.	2.2	5
18250	Radial collapse of carbon nanotubes without and with Stone-Wales defects under hydrostatic pressure. <i>RSC Advances</i> , 2012, 2, 12182.	3.6	12
18251	A novel 1D independent metal-organic nanotube based on cyclotrimeratrylene ligand. <i>CrystEngComm</i> , 2012, 14, 112-115.	2.6	31
18252	Combining mussel-inspired chemistry and the Michael addition reaction to disperse carbon nanotubes. <i>RSC Advances</i> , 2012, 2, 12153.	3.6	79
18253	Hydrothermal synthesis of CdS microparticles-graphene hybrid and its optical properties. <i>CrystEngComm</i> , 2012, 14, 1881.	2.6	32

#	ARTICLE	IF	CITATIONS
18254	Feasibility study on in situ CCVD grown CNTs for field-effect power device applications. , 2012, , .		0
18255	Mapping of Embedded Functionalized Carbon Nanotubes in Poly(vinyl alcohol)/Nanotube Composite Using Electrostatic Force Microscopy. International Journal of Polymer Analysis and Characterization, 2012, 17, 268-277.	1.9	4
18256	Ultralong one-dimension Al ₃ CON nanostructures: synthesis, elastic deformation behavior and photoelectric properties. Journal of Materials Chemistry, 2012, 22, 12830.	6.7	3
18257	Effect of Co catalyst on PECVD growth of carbon nanotubes for NEMS applications. , 2012, , .		0
18258	Metal cholate hydrogels: versatile supramolecular systems for nanoparticle embedded soft hybrid materials. Journal of Materials Chemistry, 2012, 22, 18268.	6.7	87
18259	High quality GaN epilayers grown on carbon nanotube patterned sapphire substrate by metal-organic vapor phase epitaxy. CrystEngComm, 2012, 14, 4728.	2.6	17
18260	Mechanical properties of carbon nanotube-PMMA based hybrid coatings: the importance of surface chemistry. RSC Advances, 2012, 2, 2462.	3.6	23
18261	Preparation of highly dispersed gold nanoparticles/mesoporous carbon nanofiber composites and their application toward detection of hydrazine. Catalysis Science and Technology, 2012, 2, 2327.	4.1	10
18262	Superior performance of a vapor grown carbon fiber polymer actuator containing ruthenium oxide over a single-walled carbon nanotube. Journal of Materials Chemistry, 2012, 22, 15104.	6.7	21
18263	Facile synthesis of magnetic graphene and carbon nanotube composites as a novel matrix and adsorbent for enrichment and detection of small molecules by MALDI-TOF MS. Journal of Materials Chemistry, 2012, 22, 20778.	6.7	64
18264	Layered Graphitic Carbon Host Formation during Liquid-free Solid State Growth of Metal Pyrophosphates. Inorganic Chemistry, 2012, 51, 6228-6236.	4.0	19
18265	Adsorption of Natural Organic Matter Surrogates from Aqueous Solution by Multiwalled Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 25783-25789.	3.1	21
18266	An Experimental Investigation of the Ion Storage/Transfer Behavior in an Electrical Double-Layer Capacitor by Using Monodisperse Carbon Spheres with Microporous Structure. Journal of Physical Chemistry C, 2012, 116, 26791-26799.	3.1	66
18267	Preparation and Characterization of MWCNT/Ultrahigh-Molecular-Weight Polyethylene Composite Fiber. Advanced Materials Research, 2012, 627, 761-764.	0.3	1
18268	Laser-assisted nanofabrication of carbon nanostructures. Journal of Laser Applications, 2012, 24, .	1.7	17
18269	A study on the electro thermal properties of different CNT structures. , 2012, , .		1
18270	Structure change and field emission of carbon nanotubes treated by plasma. , 2012, , .		1
18271	Pyrolysis-assisted graphene exfoliation from graphite particles deposited on photoresist pillars. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
18272	Peptide-based solids: porosity and zeolitic behavior. Journal of Materials Chemistry, 2012, 22, 1709-1723.	6.7	50
18273	A gelâ€sol transition phenomenon of oxidation multi-walled carbon nanotubesâ€glycerol nanofluids induced by polyvinyl alcohol. New Journal of Chemistry, 2012, 36, 1273.	2.8	9
18274	First-Principle Study on Structural and Electronic Properties of Pristine and Adsorbed LiF Nanotubes. Journal of Physical Chemistry C, 2012, 116, 1650-1657.	3.1	9
18275	Nonzero Gap Two-Dimensional Carbon Allotrope from Porous Graphene. Journal of Physical Chemistry C, 2012, 116, 12810-12813.	3.1	152
18276	Structures, stability and electronic properties of two- or four-segment BN/C nanotubes. , 2012, , .		0
18277	Compressing deformation investigation of single-walled carbon nanotube coated with Ni. , 2012, , .		0
18278	Photo-modulated field emission of carbon nanotubes cold cathodes. , 2012, , .		1
18279	The Al-Doped Carbon Nanotubes: A DFT Study. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 681-687.	2.1	16
18280	Effect of Pressure on the Electrical Resistance of Individual Boron-Doped Carbon Nanotubes. Japanese Journal of Applied Physics, 2012, 51, 105103.	1.5	1
18281	PECVD growth of carbon nanotubes: From experiment to simulation. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2012, 30, .	1.2	44
18282	Enhancing interwall load transfer by vacancy defects in carbon nanotubes. Applied Physics Letters, 2012, 100, .	3.3	12
18283	Synthesis of transition metal (Cu, Fe and Co) doped ZnS nanostructures. , 2012, , .		0
18284	Application of multi-walled carbon nanotube film strain gauge on metallic surface. , 2012, , .		2
18285	Top-down vs. bottom-up coarse-graining of graphene and CNTs for nanodevice simulation. , 2012, , .		0
18286	Assembly and evaluation of MWCNTs probe thermal sensor by nanorobotic manipulation. , 2012, , .		2
18287	Changes in CNT-confined water structural properties induced by the variation in water molecule orientation. Molecular Simulation, 2012, 38, 1094-1102.	2.0	11
18288	Microinjection molding of polypropylene (PP) filled with MWCNT: Influence of processing parameters on the mechanical properties. , 2012, , .		4
18289	Branched double-shelled TiO2 nanotube networks on transparent conducting oxide substrates for dye sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 23411.	6.7	17

#	ARTICLE	IF	CITATIONS
18290	Large scale synthesis of carbon nanospheres and their application as electrode materials for heavy metal ions detection. <i>New Journal of Chemistry</i> , 2012, 36, 113-118.	2.8	33
18291	Facile synthesis of MWCNTs/ZnFe ₂ O ₄ nanocomposites as anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 13674.	6.7	121
18292	Water dispersible 1-one-butyric acid-functionalised multi-walled carbon nanotubes for enzyme immobilisation and glucose sensing. <i>Journal of Materials Chemistry</i> , 2012, 22, 2566-2574.	6.7	22
18293	Hollow calcite rhombohedra at ionic liquid-stabilized bubbles. <i>CrystEngComm</i> , 2012, 14, 5723.	2.6	3
18294	Si nanotubes and nanospheres with two-dimensional polycrystalline walls. <i>Nanoscale</i> , 2012, 4, 5195.	5.6	13
18295	Single crystalline β -SiAlON nanowhiskers: preparation and enhanced properties at high temperature. <i>Dalton Transactions</i> , 2012, 41, 7127.	3.3	15
18296	Curvature effects on electronic properties of armchair graphene nanoribbons without passivation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16409.	2.8	15
18297	Structure-dependent optical properties of single-walled silicon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4695.	2.8	6
18298	Novel approach toward a binder-free and current collector-free anode configuration: highly flexible nanoporous carbon nanotube electrodes with strong mechanical strength harvesting improved lithium storage. <i>Journal of Materials Chemistry</i> , 2012, 22, 18847.	6.7	91
18299	The manufacture process influence on thermal conductivity of polymers thermal interface materials with carbon nanotubes. , 2012, , .		1
18300	Loading of single-walled carbon nanotubes in cationic cholesterol suspensions significantly improves gene transfection efficiency in serum. <i>Journal of Materials Chemistry</i> , 2012, 22, 7985.	6.7	25
18301	A novel acid-driven, microwave-assisted, one-pot strategy toward rapid production of graphitic N-doped carbon nanoparticles-decorated carbon flakes from N,N-dimethylformamide and their application in removal of dye from water. <i>RSC Advances</i> , 2012, 2, 4632.	3.6	31
18302	Carbon nanotube-conducting polymer composite wires formed by fountain pen growth (FPG) route. <i>RSC Advances</i> , 2012, 2, 8926.	3.6	13
18303	Thin-walled B-C-N ternary microtubes: from synthesis to electrical, cathodoluminescence and field-emission properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 8134.	6.7	11
18304	Density Functional Theory Study of Influence of Hydrogen Molecule Absorption on the Field Emission Properties of Carbon Nanotubes. <i>Advanced Materials Research</i> , 0, 512-515, 1579-1582.	0.3	0
18305	Preparation of graphite by thermal annealing of polyacrylamide precursor for adsorption of Cs(I) and Co(II) ions from aqueous solutions. <i>Canadian Journal of Chemistry</i> , 2012, 90, 843-850.	1.1	23
18306	Characterization of Isolated Individual Single-Walled Carbon Nanotube by Electrochemical Scanning Tunneling Microscopy. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 08KB06.	1.5	2
18307	An overview on the state-of-the-art of Carbon-based radio-frequency electronics. , 2012, , .		6

#	ARTICLE	IF	CITATIONS
18308	Sensitive Simultaneously Determination of Cd ²⁺ and Pb ²⁺ by Polypyrrole/Multi-Walled Carbon Nanotube Modified Electrode. Advanced Materials Research, 2012, 578, 109-112.	0.3	0
18309	Oscillatory characteristics of carbon nanotubes inside carbon nanotube bundles. Journal of Applied Physics, 2012, 112, .	2.5	14
18310	Improvement of the mechanical and rheological properties of HDPE/PET/MWCNT nanocomposites. Composite Interfaces, 2012, 19, 71-81.	2.3	3
18311	Control of Super Hydrophobic and Super Hydrophilic Surfaces of Carbon Nanowalls Using Atmospheric Pressure Plasma Treatments. Japanese Journal of Applied Physics, 2012, 51, 01AJ07.	1.5	10
18312	A Raman Spectroscopy Study on Single-Wall Carbon Nanotube/Polystyrene Nanocomposites: Mechanical Compression Transferred from the Polymer to Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 17897-17903.	3.1	46
18313	A MWCNT/Polyisoprene Composite Reinforced by an Effective Load Transfer Reflected in the Extent of Polymer Coating. Macromolecules, 2012, 45, 2841-2849.	4.8	23
18314	Variation of crystal structure in nickel nanoparticles filled in carbon nanotubes. Materials Science and Technology, 2012, 28, 1345-1348.	1.6	21
18315	Zinc Oxide nanowire transistor nonvolatile memory with a ferroelectric polymer interlayer. , 2012, , .		1
18316	Synthesis and characterization of iron carbide nanorod under pulsed plasma. , 2012, , .		0
18317	Macrophages targeting of amphotericin B through mannosylated multiwalled carbon nanotubes. Journal of Drug Targeting, 2012, 20, 593-604.	4.4	57
18318	Exohedral Hydrogen Chemisorption on a Carbon Nanotube: The Clustering Effect. Journal of Physical Chemistry C, 2012, 116, 269-275.	3.1	18
18319	Incorporating Strong Polarity Minerals of Tourmaline with Carbon Nanotubes to Improve the Electrical and Electromagnetic Interference Shielding Properties. Journal of Physical Chemistry C, 2012, 116, 12814-12818.	3.1	37
18320	Microwave absorption properties of rare metal-doped multi-walled carbon nanotube/polyvinyl chloride composites. Journal of Reinforced Plastics and Composites, 2012, 31, 1526-1531.	3.1	10
18321	Selective Hydrogenation of Cinnamaldehyde over Pt and Pd Supported on Multiwalled Carbon Nanotubes in a CO ₂ -Expanded Alcoholic Medium. Industrial & Engineering Chemistry Research, 2012, 51, 11112-11121.	3.7	46
18322	Molecular dynamics simulations of hydrogen adsorption/desorption by palladium decorated single-walled carbon nanotube bundle. Molecular Physics, 2012, 110, 361-368.	1.7	7
18323	SAC 305 solder paste with carbon nanotubes â€” part I: investigation of the influence of the carbon nanotubes on the SAC solder paste properties. Soldering and Surface Mount Technology, 2012, 24, 267-279.	1.5	19
18324	Applications and Nanotoxicity of Carbon Nanotubes and Graphene in Biomedicine. Journal of Nanomaterials, 2012, 2012, 1-19.	2.7	125
18325	Composites â€”salt inside porous matrixâ€™™ for adsorption heat transformation: a current state-of-the-art and new trends. International Journal of Low-Carbon Technologies, 2012, 7, 288-302.	2.6	164

#	ARTICLE	IF	CITATIONS
18326	Synthesize carbon nanotube field emitters by local heating chemical vapor deposition. , 2012, , .		0
18327	DFT Studies on the Interaction of an Open-Ended Single-Walled Aluminum Nitride Nanotube (AlNNT) with Gas Molecules. Journal of Physical Chemistry C, 2012, 116, 4957-4964.	3.1	34
18328	Direct Growth of Carbon Nanotubes on ZnO($\text{Al}_{0.01}\text{O}_{0.99}$) Substrate Surface using Alcohol Gas Source Method in High Vacuum. Japanese Journal of Applied Physics, 2012, 51, 01AH04.	1.5	2
18329	Oxidized multiwalled carbon nanotubes as efficient adsorbent for bromothymol blue. Toxicological and Environmental Chemistry, 2012, 94, 873-883.	1.2	76
18330	Oxidized multiwalled carbon nanotubes modified with 2-(2-hydroxy-5-nitrophenyl)-4,5-diphenyl imidazole for solid phase extraction and preconcentration of some metal ions. Toxicological and Environmental Chemistry, 2012, 94, 846-859.	1.2	29
18331	Temperature Dependence of Electrical Characteristics of Carbon Nanotube Field-Effect Transistors: A Quantum Simulation Study. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	27
18333	Escherynes: Novel carbon allotropes with belt shapes. Chemical Physics Letters, 2012, 548, 80-84.	2.6	10
18334	Alkali-earth metal adsorption behaviors on capped single-walled carbon nanotubes based on first-principle calculations. Diamond and Related Materials, 2012, 29, 59-62.	3.9	14
18335	Graphene Oxide Absorbers for Watt-Level High-Power Passive Mode-Locked Nd:GdVO ₄ Laser Operating at 1 μm . Journal of Lightwave Technology, 2012, 30, 3259-3262.	4.6	64
18336	Electronic interactions of silicon nanocrystals and nanocarbon materials: Hybrid solar cells. Pure and Applied Chemistry, 2012, 84, 2629-2639.	1.9	3
18337	N-Doped Helical Carbon Nanotubes: Single Helix Photoconductivity and Photoluminescence Properties. Journal of Physical Chemistry C, 2012, 116, 14584-14590.	3.1	13
18338	Amperometric bienzymatic biosensor for L-lactate analysis in wine and beer samples. Analyst, The, 2012, 137, 3854.	3.5	42
18339	Photoconductive CdSe Nanowire Arrays, Serpentine, and Loops Formed by Electrodeposition on Self-Organized Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 20121-20126.	3.1	12
18340	Plasmas meet plasmonics. European Physical Journal D, 2012, 66, 1.	1.3	30
18341	Structural and Optoelectronic Properties of Unsaturated ZnO and ZnS Nanoclusters. Journal of Physical Chemistry C, 2012, 116, 8741-8746.	3.1	41
18342	Controlled Synthesis of Ferromagnetic Semiconducting Silicon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 8000-8007.	3.1	10
18343	Orientation Structures in Injection-Molded Pellets of Polystyrene/Carbon Nanotube Nanocomposites. Industrial & Engineering Chemistry Research, 2012, 51, 11695-11699.	3.7	7
18344	Efficient Fabrication of Carbon Nanotube Micro Tip Arrays by Tailoring Cross-Stacked Carbon Nanotube Sheets. Nano Letters, 2012, 12, 2071-2076.	9.1	12

#	ARTICLE	IF	CITATIONS
18345	Applications of Nanostructured Materials as Additives in Space Fluid Lubricants. Advanced Materials Research, 2012, 602-604, 214-222.	0.3	0
18346	Alignment of Single-Walled Carbon Nanotubes with Ferroelectric Liquid Crystal. Journal of Physical Chemistry C, 2012, 116, 16694-16699.	3.1	8
18347	Simple Dip-Coating Process for the Synthesis of Small Diameter Single-Walled Carbon Nanotubes—Effect of Catalyst Composition and Catalyst Particle Size on Chirality and Diameter. Journal of Physical Chemistry C, 2012, 116, 12232-12239.	3.1	24
18348	Effect of Iron Concentration on the Growth of Carbon Nanotubes on Clay Surface. ACS Applied Materials & Interfaces, 2012, 4, 1981-1989.	8.0	10
18349	Graphite and Hexagonal Boron-Nitride have the Same Interlayer Distance. Why?. Journal of Chemical Theory and Computation, 2012, 8, 1360-1369.	5.3	256
18350	Characterization and Hydrogen Storage of Surface-Modified Multiwalled Carbon Nanotubes for Fuel Cell Application. Journal of Nanomaterials, 2012, 2012, 1-12.	2.7	30
18351	Effect of Ball Milling Parameters on the Synthesization of Carbon Nanotube Aluminium Nano Composite. Advanced Materials Research, 0, 626, 537-541.	0.3	2
18352	Positron Annihilation Spectroscopy of Polystyrene Filled with Carbon Nanomaterials. Macromolecules, 2012, 45, 933-940.	4.8	20
18353	Emission of Carbon Nanofiber (CNF) from CNF-Containing Composite Adsorbents. Journal of Occupational and Environmental Hygiene, 2012, 9, D130-D135.	1.0	5
18354	Chiral induction in thioester and oxoester liquid crystals by dispersed carbon nanotubes. Liquid Crystals, 2012, 39, 199-204.	2.2	33
18355	Three-dimensional arrays of graphenated carbon nanotubes. Journal of Materials Research, 2012, 27, 1046-1053.	2.6	67
18356	Concept of Component Seed Vastly Broadens the Understanding of Nanotube Synthesis and Characteristics. Journal of Physical Chemistry C, 2012, 116, 5312-5326.	3.1	4
18357	Polypropylene + boehmite nanocomposite fibers. Journal of Polymer Engineering, 2012, 32, 445-451.	1.4	5
18358	A Display Module Implemented by the Fast High-Temperature Response of Carbon Nanotube Thin Yarns. Nano Letters, 2012, 12, 2548-2553.	9.1	14
18359	Nano-sized biosensors for medical applications. , 2012, , 65-102.		7
18360	Jungle-Gym Structured Films of Single-Walled Carbon Nanotubes on a Gold Surface: Oxidative Treatment and Electrochemical Properties. Journal of Physical Chemistry C, 2012, 116, 9498-9506.	3.1	25
18361	Ecological Approach to Graphene Oxide Reinforced Poly (methyl methacrylate) Nanocomposites. ACS Applied Materials & Interfaces, 2012, 4, 3596-3601.	8.0	80
18362	Anti-Stokes Raman Scattering and Luminescence in Carbon Nanotube Nanostructures. Molecular Crystals and Liquid Crystals, 2012, 554, 111-118.	0.9	1

#	ARTICLE	IF	CITATIONS
18363	Suspending Multi-Walled Carbon Nanotubes by Humic Acids from a Peat Soil. Environmental Science & Technology, 2012, 46, 3891-3897.	10.0	40
18364	Density Functional Theory Study of Oxygen Reduction Activity on Ultrathin Platinum Nanotubes. Journal of Physical Chemistry C, 2012, 116, 16499-16510.	3.1	18
18365	Asymmetric-based novel poly(ether-imide)s: Preparation, properties, kinetics of thermal decomposition, and study electrochemical oxidation behavior by using nanocomposite paste of polymer and multi-walled carbon nanotube. High Performance Polymers, 2012, 24, 305-318.	1.8	6
18366	Crystallinity-Controlled Synthesis of Zirconium Oxide Thin Films on Nitrogen-Doped Carbon Nanotubes by Atomic Layer Deposition. Journal of Physical Chemistry C, 2012, 116, 14656-14664.	3.1	34
18367	Covalent Functionalization of Single-Walled Carbon Nanotubes with Thermoresponsive Core Cross-Linked Polymeric Micelles. Macromolecules, 2012, 45, 4698-4706.	4.8	33
18368	Electronic Structure, Optical Properties, and Hydrogen Adsorption Characteristics of Supercubane-Based Three-Dimensional Porous Carbon. Journal of Physical Chemistry C, 2012, 116, 25015-25021.	3.1	20
18369	Self-Scrolling Nanotubular Structure of Amorphous Vinyl Polymer Containing Tetraphenylthiophene-quinoline Pendant Groups. ACS Macro Letters, 2012, 1, 452-456.	4.8	2
18370	Headspace solid-phase microextraction using poly(ethylene glycol) grafted multi-walled carbon nanotube fibers for the determination of methyl tert-butyl ether in water samples. Analytical Methods, 2012, 4, 3701.	2.7	18
18371	Band Gap Opening in the Cycloaddition Functionalization of Carbon Nanotubes. ACS Macro Letters, 2012, 1, 524-528.	4.8	14
18372	Dispersions of Polymer-Modified Carbon Nanotubes: A Small-Angle Scattering Investigation. Journal of Physical Chemistry C, 2012, 116, 15765-15774.	3.1	32
18373	EB treatment of carbon nanotube-reinforced polymer composites. Radiation Physics and Chemistry, 2012, 81, 1383-1388.	2.8	10
18374	EPR and photoluminescence properties of Mn ²⁺ doped CdS nanoparticles synthesized via co-precipitation method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 626-631.	3.9	39
18375	The Gas Sensing Mechanism of the Low-Dimension Carbon Composites with Metal Oxide Quantum Dots. Physics Procedia, 2012, 32, 31-38.	1.2	3
18376	Investigation of Hydrogen Adsorption on Single Wall Carbon Nanotubes. Physics Procedia, 2012, 32, 279-284.	1.2	1
18377	Raman characterization of bulk ferromagnetic nanostructured graphite. Physica B: Condensed Matter, 2012, 407, 3206-3209.	2.7	8
18378	The transport properties of the molecular-scale B2C and BC ₃ electronic devices. Physica B: Condensed Matter, 2012, 407, 3419-3422.	2.7	3
18379	Carbon nanotube as traps for atoms and ions. Physica B: Condensed Matter, 2012, 407, 3479-3483.	2.7	20
18380	Gallium doped in armchair and zigzag models of boron phosphide nanotubes (BPNTs): A NMR study. Physica B: Condensed Matter, 2012, 407, 3717-3721.	2.7	9

#	ARTICLE	IF	CITATIONS
18381	The effects of SiC-doped on the NMR parameters of the armchair and zigzag models of aluminum phosphide nanotubes: A DFT study. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1770-1775.	2.7	5
18382	Nonlocal Timoshenko beam theory for vibration of carbon nanotube-based biosensor. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1169-1175.	2.7	60
18383	Can aluminum nitride nanotubes detect the toxic NH ₃ molecules?. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1357-1360.	2.7	85
18384	Buckling analysis of shear deformable nanorods within the framework of nonlocal elasticity theory. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1380-1385.	2.7	9
18385	Ab initio study of the vibrational properties of single-walled silicon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1441-1445.	2.7	4
18386	Molecular dynamics study on resonance frequency shifts due to linear density of nanoclusters encapsulated in carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1543-1547.	2.7	10
18387	Nonlinear vibration and postbuckling analysis of a single layer graphene sheet embedded in a polymer matrix. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1708-1715.	2.7	19
18388	Effects of Holstein phonons on the electrical conductivity of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1722-1724.	2.7	13
18389	Stability analysis of nanocones under external pressure and axial compression using a nonlocal shell model. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1832-1837.	2.7	16
18390	A multiscale approach for estimating the chirality effects in carbon nanotube reinforced composites. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 45, 28-35.	2.7	18
18391	Coupled molecular/continuum mechanical modeling of graphene sheets. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 45, 151-161.	2.7	14
18392	Enhanced thermal stability of multi-walled carbon nanotubes after coating with polyaniline salt. Polymer Degradation and Stability, 2012, 97, 1405-1414.	5.8	42
18393	Polymer/carbon nanotube composites for liquid sensing: Selectivity against different solvents. Polymer, 2012, 53, 2908-2918.	3.8	45
18394	Enhanced dispersion of carbon nanotube in silicone rubber assisted by graphene. Polymer, 2012, 53, 3378-3385.	3.8	142
18395	Preparation of non-spherical hollow carbon nanocapsules from nickel nanoprecursors. Solid State Sciences, 2012, 14, 1221-1225.	3.2	6
18396	A cytosine-assisted carbon nanotubes junction: DFT studies. Superlattices and Microstructures, 2012, 52, 158-164.	3.1	5
18397	Hydrogen migration on the C ₆₀ fullerene. Solid State Communications, 2012, 152, 1522-1525.	1.9	4
18398	Polaron effects on the thermal conductivity of zigzag carbon nanotubes. Solid State Communications, 2012, 152, 1776-1780.	1.9	18

#	ARTICLE	IF	CITATIONS
18399	Rapid and scalable method for direct and indirect microstructuring of vertical aligned carbon nanotubes. Surface and Coatings Technology, 2012, 206, 4808-4813.	4.8	4
18400	Theoretical study of CO adsorption on the surface of BN, AlN, BP and AlP nanotubes. Surface Science, 2012, 606, 981-985.	1.9	152
18401	Preparation and characterization of magnetic multi-walled carbon nanotubes/ferrite nanocomposite and its application for the removal of aniline from aqueous solution. Synthetic Metals, 2012, 161, 2651-2658.	3.9	75
18402	Theoretical study of the effect of nickel and tin doping in copper clusters. Synthetic Metals, 2012, 162, 119-125.	3.9	7
18403	DFT calculations of structures, ¹³ C NMR chemical shifts and Raman RBM mode of simple models of ultra small diameter (4,0) zigzag hydroxylated single wall carbon nanotubes. Synthetic Metals, 2012, 162, 573-583.	3.9	13
18404	Carbon nanotube-polyaniline nanohybrids: Influence of the carbon nanotube characteristics on the morphological, spectroscopic, electrical and thermoelectric properties. Synthetic Metals, 2012, 162, 1348-1356.	3.9	79
18405	Synthesis, characterization, and electrochemical applications of carbon nanoparticles derived from castor oil soot. Talanta, 2012, 88, 445-449.	5.5	28
18406	Fabrication of ternary CNT/PPy/KxMnO ₂ composite nanowires for electrocatalytic applications. Talanta, 2012, 90, 51-56.	5.5	20
18407	Fast microextraction of phthalate acid esters from beverage, environmental water and perfume samples by magnetic multi-walled carbon nanotubes. Talanta, 2012, 90, 123-131.	5.5	187
18408	Fabrication of new single-walled carbon nanotubes microelectrode for electrochemical sensors application. Talanta, 2012, 91, 88-94.	5.5	17
18409	Boron nitride nanotubes and their functionalization via quinuclidine-3-thiol with gold nanoparticles for the development and enhancement of the HPLC performance of HPLC monolithic columns. Talanta, 2012, 93, 274-278.	5.5	26
18410	Dynamic layer-by-layer self-assembly of multi-walled carbon nanotubes on quartz wool for on-line separation of lysozyme in egg white. Talanta, 2012, 94, 104-110.	5.5	10
18411	Novel multi walled carbon nanotubes/ β -cyclodextrin based carbon paste electrode for flow injection potentiometric determination of piroxicam. Talanta, 2012, 97, 96-102.	5.5	45
18412	Determination of diethylstilbestrol in milk using carbon nanotube-reinforced hollow fiber solid-phase microextraction combined with high-performance liquid chromatography. Talanta, 2012, 97, 222-228.	5.5	92
18413	l-histidine functionalized multi-walled carbon nanotubes for on-line affinity separation and purification of immunoglobulin G in serum. Talanta, 2012, 99, 40-49.	5.5	30
18414	Non-covalent functionalisation of monolithic silica for the development of carbon nanotube HPLC stationary phases. Talanta, 2012, 99, 580-585.	5.5	27
18415	Modification of carbon nanotubes for preconcentration, separation and determination of trace-metal ions. TrAC - Trends in Analytical Chemistry, 2012, 37, 22-31.	11.4	138
18416	A targetable fluorescent sensor for hypochlorite based on a luminescent europium complex loaded carbon nanotube. Analyst, The, 2012, 137, 1872.	3.5	30

#	ARTICLE	IF	CITATIONS
18417	Removal of divalent nickel cations from aqueous solution by multi-walled carbon nano tubes: equilibrium and kinetic processes. Research on Chemical Intermediates, 2012, 38, 2205-2222.	2.7	57
18418	Graphene-based materials for catalysis. Catalysis Science and Technology, 2012, 2, 54-75.	4.1	882
18419	Alignment of single-walled carbon nanotubes in polymer dispersed liquid crystals. Liquid Crystals, 2012, 39, 359-364.	2.2	38
18420	Theoretical investigations of sp-sp ² hybridized zero-dimensional fullerenynes. Nanoscale, 2012, 4, 2839.	5.6	12
18421	Superamphiphobic coatings with coralline-like structure enabled by one-step spray of polyurethane/carbon nanotube composites. Journal of Materials Chemistry, 2012, 22, 9624.	6.7	96
18422	Layer-by-layer self-assembly in the development of electrochemical energy conversion and storage devices from fuel cells to supercapacitors. Chemical Society Reviews, 2012, 41, 7291.	38.1	234
18423	One-pot preparation and continuous spinning of carbon nanotube/poly(p-phenylene benzobisoxazole) copolymer fibers. Journal of Materials Chemistry, 2012, 22, 19863.	6.7	49
18424	Hydrogenation and Fluorination of Graphene Models: Analysis via the Average Local Ionization Energy. Journal of Physical Chemistry A, 2012, 116, 8644-8652.	2.5	54
18425	Long-Range Ordered Carbon Clusters: A Crystalline Material with Amorphous Building Blocks. Science, 2012, 337, 825-828.	12.6	173
18426	Two-Dimensional Boron Monolayer Sheets. ACS Nano, 2012, 6, 7443-7453.	14.6	690
18427	Enhancing photovoltaic performance of all-solid-state dye-sensitized solar cells by incorporating ionic liquid-physisorbed MWCNT. Journal of Materials Chemistry, 2012, 22, 15592.	6.7	48
18428	A Critical Review of Glucose Biosensors Based on Carbon Nanomaterials: Carbon Nanotubes and Graphene. Sensors, 2012, 12, 5996-6022.	3.8	451
18429	Electronic and optoelectronic nano-devices based on carbon nanotubes. Journal of Physics Condensed Matter, 2012, 24, 313202.	1.8	87
18430	Chemistry of Carbon Nanotubes for Everyone. Journal of Chemical Education, 2012, 89, 221-229.	2.3	35
18431	Electrochemistry of Nucleic Acids. Chemical Reviews, 2012, 112, 3427-3481.	47.7	583
18432	Controllable growth of single-walled carbon nanotubes by ethanol-ferrocene aerosol method. Nanotechnologies in Russia, 2012, 7, 370-376.	0.7	16
18433	Investigation of the Structure and Catalytic Performance of Highly Dispersed Ni-Based Catalysts for the Growth of Carbon Nanostructures. Industrial & Engineering Chemistry Research, 2012, 51, 11892-11900.	3.7	17
18434	Noble-metal-free carbon nanotube-Cd _{0.1} Zn _{0.9} S composites for high visible-light photocatalytic H ₂ -production performance. Nanoscale, 2012, 4, 2670.	5.6	154

#	ARTICLE	IF	CITATIONS
18435	Recent Advances in Polymeric Materials Used as Electron Mediators and Immobilizing Matrices in Developing Enzyme Electrodes. <i>Sensors</i> , 2012, 12, 923-953.	3.8	53
18436	Research of Carbon Nanotubes/Polymer Composites for Sports Equipment. <i>Advances in Intelligent and Soft Computing</i> , 2012, , 137-146.	0.2	3
18437	Half-metallicity in graphene nanoribbons with topological defects at edge. <i>Journal of Chemical Physics</i> , 2012, 137, 094705.	3.0	11
18438	Carbon nanotubes and graphene in analytical sciences. <i>Mikrochimica Acta</i> , 2012, 179, 1-16.	5.0	204
18439	Semiconducting allotrope of graphene. <i>Nanotechnology</i> , 2012, 23, 385704.	2.6	36
18441	Solid phase extraction of chromium(VI) using Aliquat336 immobilized on a thin film of multiwall carbon nanotubes. <i>Mikrochimica Acta</i> , 2012, 179, 235-239.	5.0	24
18442	Electrical Properties and Electromagnetic Shielding Effectiveness of Carbon Based Epoxy Nanocomposites. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2012, , 115-123.	0.3	3
18443	Impact of Surface Functionalization on Bacterial Cytotoxicity of Single-Walled Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2012, 46, 6297-6305.	10.0	119
18444	Graphene quantum dots: an emerging material for energy-related applications and beyond. <i>Energy and Environmental Science</i> , 2012, 5, 8869.	30.8	790
18445	Modulating the bandgaps of graphdiyne nanoribbons by transverse electric fields. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 165301.	1.8	37
18446	Dielectric investigations of pure and carbon nanotube-doped deformed helix ferroelectric liquid crystals. <i>Liquid Crystals</i> , 2012, 39, 1169-1174.	2.2	18
18447	Photoresponsive chiral nanotubes of achiral amphiphilic azobenzene. <i>Soft Matter</i> , 2012, 8, 11492.	2.7	41
18448	Near-Infrared Fluorescent Nanoprobes for in Vivo Optical Imaging. <i>Nanomaterials</i> , 2012, 2, 92-112.	4.1	95
18449	Formation and Stability of Cellular Carbon Foam Structures: An Ab Initio Study. <i>Physical Review Letters</i> , 2012, 109, 135501.	7.8	27
18450	Confinement Effect of Carbon Nanotubes: Copper Nanoparticles Filled Carbon Nanotubes for Hydrogenation of Methyl Acetate. <i>ACS Catalysis</i> , 2012, 2, 1958-1966.	11.2	138
18451	The effect of calcination temperature on the microstructure and photocatalytic activity of TiO ₂ -based composite nanotubes prepared by an in situ template dissolution method. <i>Nanoscale</i> , 2012, 4, 6597.	5.6	56
18452	Harmonic generation in laser-produced plasmas containing atoms, ions and clusters: a review. <i>Journal of Modern Optics</i> , 2012, 59, 409-439.	1.3	36
18453	Monodisperse Lanthanide Fluoride Nanocrystals: Synthesis and Luminescent Properties. <i>Inorganic Chemistry</i> , 2012, 51, 3963-3971.	4.0	68

#	ARTICLE	IF	CITATIONS
18454	Sensitive spectrofluorometry of cellular prion protein based on the onâ€“off interaction between fluorescent dye-labelled aptamers and multi-walled carbon nanotubes. <i>Analyst</i> , The, 2012, 137, 4968.	3.5	17
18455	Modeling magnetic nanotubes using a chain of ellipsoid-rings approach. <i>Journal of Applied Physics</i> , 2012, 111, 063912.	2.5	6
18456	Synthesis and Characterization of Nanocomposites with Strong Interfacial Interaction: Sulfated ZrO_2 Nanoparticles Supported on Multiwalled Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 21742-21752.	3.1	33
18457	Determination of non-steroidal anti-inflammatory drugs in water samples by solid-phase microextraction based solâ€“gel technique using poly(ethylene glycol) grafted multi-walled carbon nanotubes coated fiber. <i>Analytica Chimica Acta</i> , 2012, 720, 134-141.	5.4	105
18458	Electrochemical detection of a powerful estrogenic endocrine disruptor: Ethinylestradiol in water samples through bioseparation procedure. <i>Analytica Chimica Acta</i> , 2012, 723, 27-32.	5.4	48
18459	Carbon nanotubes as solid-phase extraction sorbents prior to atomic spectrometric determination of metal species: A review. <i>Analytica Chimica Acta</i> , 2012, 749, 16-35.	5.4	159
18460	Mechanical property enhancement of kinetic sprayed Al coatings reinforced by multi-walled carbon nanotubes. <i>Acta Materialia</i> , 2012, 60, 5031-5039.	7.9	29
18461	Determination of Au and Pt in titanate nanotube catalysts by photon activation analysis. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1564-1569.	1.5	3
18462	A molecular dynamics simulation study on resonance frequencies comparison of tunable carbon-nanotube resonators. <i>Applied Surface Science</i> , 2012, 258, 2014-2016.	6.1	15
18463	Synthesis of nanocomposites based on nanotubes and silicates. <i>Applied Surface Science</i> , 2012, 258, 2540-2543.	6.1	9
18464	Growth of single-walled carbon nanotubes from hot-implantation-formed catalytic Fe nanoparticles assisted by microwave plasma. <i>Applied Surface Science</i> , 2012, 258, 2982-2988.	6.1	5
18465	Microwave absorbing properties of polyaniline/multi-walled carbon nanotube composites with various polyaniline contents. <i>Applied Surface Science</i> , 2012, 258, 3184-3190.	6.1	93
18466	Fabrication, characterization, and mechanism of vertically aligned titanium nitride nanowires. <i>Applied Surface Science</i> , 2012, 260, 36-41.	6.1	12
18467	New cleaning strategies based on carbon nanomaterials applied to the deteriorated marble surfaces: A comparative study with enzyme based treatments. <i>Applied Surface Science</i> , 2012, 258, 5965-5980.	6.1	35
18468	Synthesis of free standing carbon nanosheet using electron cyclotron resonance plasma enhanced chemical vapor deposition. <i>Applied Surface Science</i> , 2012, 258, 4877-4880.	6.1	10
18469	Spray-gun deposition of catalyst for large area and versatile synthesis of carbon nanotubes. <i>Applied Surface Science</i> , 2012, 258, 6024-6028.	6.1	14
18470	Theoretical studies of the magnetism of the first-row adatom on the ZnO nanotube. <i>Applied Surface Science</i> , 2012, 258, 6621-6626.	6.1	25
18471	Characterization and field emission properties of multi-walled carbon nanotubes with fine crystallinity prepared by CO ₂ laser ablation. <i>Applied Surface Science</i> , 2012, 258, 6958-6962.	6.1	20

#	ARTICLE	IF	CITATIONS
18472	Functionalization of [60] fullerene with butadienes: A DFT study. Applied Surface Science, 2012, 258, 8980-8984.	6.1	59
18473	Uranium (VI) sorption by multiwalled carbon nanotubes from aqueous solution. Applied Surface Science, 2012, 259, 433-440.	6.1	129
18474	A first-principles study of the SCN ⁻ chemisorption on the surface of AlN, AlP, and BP nanotubes. Applied Surface Science, 2012, 259, 637-642.	6.1	26
18475	A dechlorination pathway for synthesis of horn shaped carbon nanotubes and its adsorption properties for CO ₂ , CH ₄ , CO and N ₂ . Journal of Hazardous Materials, 2012, 227-228, 317-326.	12.4	30
18476	The role of water vapor in carbon nanotube formation via water-assisted chemical vapor deposition of methane. Journal of Industrial and Engineering Chemistry, 2012, 18, 1504-1511.	5.8	15
18477	Mechanics of thermophoretic and thermally induced edge forces in carbon nanotube nanodevices. Journal of the Mechanics and Physics of Solids, 2012, 60, 1676-1687.	4.8	55
18478	Vibration response of double-walled carbon nanotubes subjected to an externally applied longitudinal magnetic field: A nonlocal elasticity approach. Journal of Sound and Vibration, 2012, 331, 5069-5086.	3.9	138
18479	Effective properties of a novel composite reinforced with short carbon fibers and radially aligned carbon nanotubes. Mechanics of Materials, 2012, 53, 47-60.	3.2	76
18480	Dispersion of multi-walled carbon nanotubes (MWCNTs) by ionic liquid-based phosphonium surfactants in aqueous solution. Journal of Molecular Liquids, 2012, 173, 42-46.	4.9	59
18481	Spark plasma sintering of silicon carbide and multi-walled carbon nanotube reinforced zirconium diboride ceramic composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 125-133.	5.6	96
18482	A new silver(I)-selective electrode based on derivatized MWCNTs@SiO ₂ nanocomposites as a neutral carrier. Materials Science and Engineering C, 2012, 32, 1352-1357.	7.3	15
18483	Effect of iron-doped multi-walled carbon nanotubes on lipid model and cellular plasma membranes. Materials Science and Engineering C, 2012, 32, 1486-1489.	7.3	15
18484	Size-controlled synthesis of Rod-like γ -FeOOH nanostructure. Materials Science and Engineering C, 2012, 32, 1524-1530.	7.3	19
18485	A multi-scale modeling of surface effect via the modified boundary Cauchy-Born model. Materials Science and Engineering C, 2012, 32, 1993-2000.	7.3	17
18486	Voltammetric determination of norepinephrine in the presence of acetaminophen using a novel ionic liquid/multiwall carbon nanotubes paste electrode. Materials Science and Engineering C, 2012, 32, 1912-1918.	7.3	92
18487	Synthesis and growth mechanism of oriented amorphous SiO ₂ nanowires. Materials Science in Semiconductor Processing, 2012, 15, 428-431.	4.0	3
18488	Construction of amperometric uric acid biosensor based on uricase immobilized on PBNPs/cMWCNT/PANI/Au composite. International Journal of Biological Macromolecules, 2012, 50, 112-118.	7.5	56
18489	An amperometric biosensor based on laccase immobilized onto MnO ₂ NPs/cMWCNT/PANI modified Au electrode. International Journal of Biological Macromolecules, 2012, 51, 175-181.	7.5	22

#	ARTICLE	IF	CITATIONS
18490	Preparation and characterization of chitosanâ€“carbon nanotube scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 393-402.	7.5	153
18491	Silver nanoparticles/multiwalled carbon nanotube/polyaniline film for amperometric glutathione biosensor. <i>International Journal of Biological Macromolecules</i> , 2012, 50, 672-678.	7.5	69
18492	Cooperative deformation of carboxyl groups in functionalized carbon nanotubes. <i>International Journal of Solids and Structures</i> , 2012, 49, 2418-2423.	2.7	14
18493	Effective thermoelastic properties of composites with periodicity in cylindrical coordinates. <i>International Journal of Solids and Structures</i> , 2012, 49, 2590-2603.	2.7	37
18494	Enhanced electromagnetic absorption properties of carbon nanotubes and zinc oxide whisker microwave absorber. <i>Journal of Alloys and Compounds</i> , 2012, 514, 183-188.	5.5	85
18495	Synthesis of ZnO nanorods by spray pyrolysis for H ₂ S gas sensor. <i>Journal of Alloys and Compounds</i> , 2012, 528, 109-114.	5.5	141
18496	Ethanol amine-assisted solvothermal growth of wurtzite-structured ZnS thin nanorods. <i>Journal of Alloys and Compounds</i> , 2012, 536, 85-90.	5.5	24
18497	High performance of carbon nanotubes confining gold nanoparticles for selective hydrogenation of 1,3-butadiene and cinnamaldehyde. <i>Journal of Catalysis</i> , 2012, 292, 213-226.	6.2	83
18498	Large-scale synthesis of aluminum diboride nanowires by Ni(NO ₃) ₂ catalyst. <i>Journal of Crystal Growth</i> , 2012, 346, 75-78.	1.5	4
18499	Electrochemical and thermodynamic properties of hexacyanoferrate(II)/(III) redox system on multi-walled carbon nanotubes. <i>Journal of Chemical Thermodynamics</i> , 2012, 54, 35-40.	2.0	12
18500	Electrical conductivity improvement of aeronautical carbon fiber reinforced polyepoxy composites by insertion of carbon nanotubes. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1859-1862.	3.1	53
18501	Electronic properties of bearded graphene nanoribbons. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1245-1251.	4.0	3
18502	WO ₃ -modified TiO ₂ nanotubes for photocatalytic elimination of methylethylketone under UVA and solar light irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 245, 43-57.	3.9	28
18503	A robust fuel cell cathode catalyst assembled with nitrogen-doped carbon nanohorn and platinum nanoclusters. <i>Journal of Power Sources</i> , 2012, 220, 449-454.	7.8	56
18504	Fabrication of super-macroporous nanocomposites by deposition of carbon nanotubes onto polymer cryogels. <i>European Polymer Journal</i> , 2012, 48, 1366-1373.	5.4	21
18505	Spectral finite element and nonlocal continuum mechanics based formulation for torsional wave propagation in nanorods. <i>Finite Elements in Analysis and Design</i> , 2012, 62, 65-75.	3.2	34
18506	Detection of pathogenic microorganisms using biosensor based on multi-walled carbon nanotubes dispersed in DNA solution. <i>Current Applied Physics</i> , 2012, 12, 1553-1560.	2.4	27
18507	Computational simulation of binary compounds of carbon nanotubes and amphiphilics in aqueous solution by Monte Carlo method. <i>Computational Materials Science</i> , 2012, 59, 121-127.	3.0	3

#	ARTICLE	IF	CITATIONS
18508	Mechanical properties of graphyne and its family “ A molecular dynamics investigation. Computational Materials Science, 2012, 61, 83-88.	3.0	189
18509	Nonlocal effects in the free longitudinal vibration of axially functionally graded tapered nanorods. Computational Materials Science, 2012, 61, 257-265.	3.0	97
18510	Air adsorption and separation on carbon nanotube bundles from molecular dynamics simulations. Computational Materials Science, 2012, 61, 134-139.	3.0	19
18511	An accurate spring-mass model for predicting mechanical properties of single-walled carbon nanotubes. Computational Materials Science, 2012, 62, 6-11.	3.0	16
18512	A novel approach for determining thermal properties of single-walled carbon nanotubes. Computational Materials Science, 2012, 63, 52-57.	3.0	11
18513	The effect of vacancy defects and temperature on fundamental frequency of single walled carbon nanotubes. Computational Materials Science, 2012, 63, 12-19.	3.0	18
18514	Effect of compression on the enhancement of friction and strengthen of double-walled carbon nanotube bundles: A molecular dynamics study. Computational Materials Science, 2012, 63, 244-248.	3.0	3
18515	Simulation of impact and post-impact behavior of carbon nanotube reinforced polymer using multi-scale finite element modeling. Computational Materials Science, 2012, 63, 261-268.	3.0	55
18516	Theoretical insights on the storage of carbon dioxide using single-walled carbon nanotubes. Computational Materials Science, 2012, 63, 191-196.	3.0	5
18517	Preparation, characterization and application of advanced isoconversional kinetics to epoxy/1,4-Bis(3-aminopropoxy) butane/MWCNT nanocomposite. Composites Part A: Applied Science and Manufacturing, 2012, 43, 381-387.	7.6	13
18518	Multi-walled carbon nanotube-reinforced silicon carbide fibers prepared by polymer-derived ceramic route. Composites Part A: Applied Science and Manufacturing, 2012, 43, 317-324.	7.6	21
18519	Synthesis and properties of amphiphilic block polymer functionalized multi-walled carbon nanotubes and nanocomposites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 758-764.	7.6	8
18520	Poly(vinyl alcohol) reinforced with large-diameter carbon nanotubes via spray winding. Composites Part A: Applied Science and Manufacturing, 2012, 43, 587-592.	7.6	30
18521	Fabrication of aluminum matrix composites with enhanced mechanical properties reinforced by in situ generated MgAl ₂ O ₄ whiskers. Composites Part A: Applied Science and Manufacturing, 2012, 43, 631-634.	7.6	31
18522	The effect of milling conditions on microstructures and mechanical properties of Al/MWCNT composites. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1061-1072.	7.6	134
18523	Carbon fiber/epoxy composite property enhancement through incorporation of carbon nanotubes at the fiber“matrix interphase “ Part I: The development of carbon nanotube coated carbon fibers and the evaluation of their adhesion. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1569-1577.	7.6	163
18524	Resistance to time-dependent deformation of polystyrene/carbon nanotube composites under cyclic tension. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1561-1568.	7.6	27
18525	Effective mechanical properties of “fuzzy fiber“composites. Composites Part B: Engineering, 2012, 43, 2577-2593.	12.0	64

#	ARTICLE	IF	CITATIONS
18526	Electrical and mechanical characterization of stretchable multi-walled carbon nanotubes/polydimethylsiloxane elastomeric composite conductors. <i>Composites Science and Technology</i> , 2012, 72, 1257-1263.	7.8	62
18527	High-temperature properties of extruded titanium composites fabricated from carbon nanotubes coated titanium powder by spark plasma sintering and hot extrusion. <i>Composites Science and Technology</i> , 2012, 72, 1291-1297.	7.8	101
18528	Predicting mechanical properties of single-walled carbon nanocones using a higher-order gradient continuum computational framework. <i>Composite Structures</i> , 2012, 94, 3271-3277.	5.8	30
18529	Fullerene and graphene formation from carbon nanotube fragments. <i>Computational and Theoretical Chemistry</i> , 2012, 987, 115-121.	2.5	13
18530	Covalent hybridizations of carbon nanotubes through peptide linkages: A density functional approach. <i>Computational and Theoretical Chemistry</i> , 2012, 981, 47-51.	2.5	7
18531	An ab initio study of cluster-assembled hydrogenated silicon nanotubes. <i>Computational and Theoretical Chemistry</i> , 2012, 982, 17-24.	2.5	17
18532	On the oxidation of electrolytic carbon nanomaterials. <i>Corrosion Science</i> , 2012, 54, 307-313.	6.6	34
18533	Impact energy dependence of defect formation in single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2012, 541, 92-95.	2.6	5
18534	Simultaneous removal of copper(II), lead(II), zinc(II) and cadmium(II) from aqueous solutions by multi-walled carbon nanotubes. <i>Comptes Rendus Chimie</i> , 2012, 15, 398-408.	0.5	99
18535	Natural organic matter removal in single-walled carbon nanotubesâ€“ultrafiltration membrane systems. <i>Desalination</i> , 2012, 298, 75-84.	8.2	34
18536	The past, present and future of heterogeneous catalysis. <i>Catalysis Today</i> , 2012, 189, 2-27.	4.4	327
18537	A review â€“ Synthesis of carbon nanotubes from plastic wastes. <i>Chemical Engineering Journal</i> , 2012, 195-196, 377-391.	12.7	195
18538	Preparation of porous polymer monolithic column incorporated with graphene nanosheets for solid phase microextraction and enrichment of glucocorticoids. <i>Journal of Chromatography A</i> , 2012, 1253, 22-31.	3.7	68
18539	Montmorillonite-carbon nanocomposites with nanosheet and nanotube structure: Preparation, characterization and structure evolution. <i>Applied Clay Science</i> , 2012, 55, 75-82.	5.2	16
18540	Effects of pH on electrospun PVA/acid-treated MWNT composite nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 112-117.	4.7	23
18541	Decorating multi-walled carbon nanotubes with Au nanoparticles by amphiphilic ionic liquid self-assembly. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 408, 1-7.	4.7	12
18542	Aggregation kinetics of SDBS-dispersed carbon nanotubes in different aqueous suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 409, 159-166.	4.7	69
18543	Modal analysis of carbon nanotubes and nanocones using FEM. <i>Computational Materials Science</i> , 2012, 51, 30-42.	3.0	93

#	ARTICLE	IF	CITATIONS
18544	A study of carbon-nanotube-based nanoelectromechanical resonators tuned by shear strain. Computational Materials Science, 2012, 51, 360-364.	3.0	9
18545	A novel model for vibrations of nanotubes conveying nanoflow. Computational Materials Science, 2012, 51, 347-352.	3.0	112
18546	A review on the application of nonlocal elastic models in modeling of carbon nanotubes and graphenes. Computational Materials Science, 2012, 51, 303-313.	3.0	474
18547	Molecular dynamics simulations of carbon nanotube dispersions in water: Effects of nanotube length, diameter, chirality and surfactant structures. Computational Materials Science, 2012, 53, 133-144.	3.0	56
18548	Effects of the carbon nanotube distribution on the macroscopic stiffness of composite materials. Computational Materials Science, 2012, 51, 422-429.	3.0	21
18549	Density functional theory investigation of the mechanical properties of single-walled carbon nanotubes. Computational Materials Science, 2012, 53, 377-381.	3.0	35
18550	Nanoscale vibration characterization of multi-layered graphene sheets embedded in an elastic medium. Computational Materials Science, 2012, 53, 44-52.	3.0	39
18551	Nonlinear flow-induced vibration of a SWCNT with a geometrical imperfection. Computational Materials Science, 2012, 53, 105-116.	3.0	33
18552	Free vibrations of single-walled carbon nanotubes in the vicinity of a fully constrained graphene sheet. Computational Materials Science, 2012, 53, 12-17.	3.0	11
18553	A theoretical investigation of thermal effects on vibrational behaviors of single-walled carbon nanotubes. Computational Materials Science, 2012, 53, 226-233.	3.0	18
18554	Molecular dynamics investigation of the lubrication mechanism of carbon nano-onions. Computational Materials Science, 2012, 54, 91-96.	3.0	39
18555	Small scale effect on axial vibration of non-uniform and non-homogeneous nanorods. Computational Materials Science, 2012, 54, 23-27.	3.0	32
18556	Molecular structural mechanics applied to coiled carbon nanotubes. Computational Materials Science, 2012, 55, 344-349.	3.0	35
18557	Why the center-point of bridged carbon nanotube length is the most mass sensitive location for mass attachment?. Computational Materials Science, 2012, 55, 136-141.	3.0	22
18558	The roles of crosslinks in the buckling behaviors and load transferring mechanisms of double-walled nanotubes under compression. Computational Materials Science, 2012, 55, 95-99.	3.0	7
18559	Study of non-local wave properties of nanotubes with surface effects. Computational Materials Science, 2012, 56, 179-184.	3.0	25
18560	Vibration of double-walled carbon nanotube based nanomechanical sensor with initial axial stress. Computational Materials Science, 2012, 58, 51-58.	3.0	38
18561	Carbon Nanotubes Cathode of Field Emission Lamp Prepared by Electrophoretic Deposition. Energy Procedia, 2012, 16, 240-243.	1.8	8

#	ARTICLE	IF	CITATIONS
18562	Improved electrocatalytic effect of carbon nanomaterials by covalently anchoring with CoTAPP via diazonium salt reactions. <i>Electrochemistry Communications</i> , 2012, 22, 141-144.	4.7	43
18563	Synthesis of microporous carbon nanotubes by templating method and their high electrochemical performance. <i>Electrochimica Acta</i> , 2012, 78, 147-153.	5.2	15
18564	Nanomolar detection of hydrogen peroxide at a nano-structured adducts of diorganotin dichlorides multiwall carbon nanotube modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2012, 78, 82-91.	5.2	7
18565	Recent progress and perspectives on the toxicity of carbon nanotubes at organism, organ, cell, and biomacromolecule levels. <i>Environment International</i> , 2012, 40, 244-255.	10.0	229
18566	A rapid method for determination of L-lactic acid in real samples by amperometric biosensor utilizing nanocomposite. <i>Food Control</i> , 2012, 23, 238-244.	5.5	49
18567	Aromatic Polyimide/MWCNT Hybrid Nanocomposites: Structure, Dynamics, and Properties. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 1794-1814.	1.0	7
18568	Poly(vinyl alcohol)/graphene oxide nanocomposites prepared by a simple eco-process. <i>Polymer Journal</i> , 2012, 44, 1056-1063.	2.7	126
18569	Cu ₂ O/ZnO hetero-nanobrush: hierarchical assembly, field emission and photocatalytic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 17055.	6.7	104
18571	Two-pulse excitation for efficient formation of an sp ³ nanodomain with frozen shear in a graphite crystal. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 205402.	1.8	0
18572	Spatiotemporal optical solitons in carbon nanotube arrays. <i>Physical Review A</i> , 2012, 86, .	2.5	31
18573	Synthesis, structural analysis and in situ transmission electron microscopy mechanical tests on individual aluminum matrix/boron nitride nanotube nanohybrids. <i>Acta Materialia</i> , 2012, 60, 6213-6222.	7.9	44
18574	Graphene: An Emerging Electronic Material. <i>Advanced Materials</i> , 2012, 24, 5782-5825.	21.0	718
18575	Optoelectronic Properties of Single-Wall Carbon Nanotubes. <i>Advanced Materials</i> , 2012, 24, 4977-4994.	21.0	138
18576	Unfolding the Fullerene: Nanotubes, Graphene and Poly-Elemental Varieties by Simulations. <i>Advanced Materials</i> , 2012, 24, 4956-4976.	21.0	50
18577	Carbon Nanotube Based High Resolution Holograms. <i>Advanced Materials</i> , 2012, 24, OP331-6.	21.0	65
18578	Heteroatom-containing ferrocene derivatives as catalysts for MWCNTs and other shaped carbon nanomaterials. <i>Applied Organometallic Chemistry</i> , 2012, 26, 536-545.	3.5	12
18579	Synthesis of hybrid polyaniline/carbon nanotubes nanocomposites in toluene by dynamic interfacial inverse emulsion polymerization under sonication. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2129-2135.	2.6	10
18580	Preparation and Catalysis of Carbon-Supported Iron Catalysts for Fischer-Tropsch Synthesis. <i>ChemCatChem</i> , 2012, 4, 1498-1511.	3.7	100

#	ARTICLE	IF	CITATIONS
18581	Platinum-Free Catalysts as Counter Electrodes in Dye-Sensitized Solar Cells. ChemSusChem, 2012, 5, 1343-1357.	6.8	194
18582	Dielectrophoretic placement of quasi-zero-, one-, and two-dimensional nanomaterials into nanogap for electrical characterizations. Electrophoresis, 2012, 33, 2475-2481.	2.4	6
18583	Study on the preparation and properties of aligned carbon nanotubes/polylactide composite fibers. Polymer Composites, 2012, 33, 1613-1619.	4.6	25
18584	Investigations into the processes of sorption and desorption of polypeptide antibiotics on Taunit multiwalled carbon nanotubes. Applied Biochemistry and Microbiology, 2012, 48, 699-704.	0.9	3
18585	Producing nanomaterials in combustion. Combustion, Explosion and Shock Waves, 2012, 48, 561-569.	0.8	12
18586	Thermodynamics of homogeneous and heterogeneous nucleation of clusters of catalysts for growing carbon nanotubes. Russian Microelectronics, 2012, 41, 474-481.	0.5	0
18587	Isomers of C46 fullerene with carbyne chains. Physics of the Solid State, 2012, 54, 1723-1727.	0.6	6
18588	A one-dimensional continuous model for carbon nanotubes. European Physical Journal B, 2012, 85, 1.	1.5	3
18589	Anomalous heat conduction and anomalous diffusion in low dimensional nanoscale systems. European Physical Journal B, 2012, 85, 1.	1.5	106
18590	Electrical conductivity of zigzag carbon nanotubes including Holstein polarons. European Physical Journal B, 2012, 85, 1.	1.5	12
18591	Unravelling low lying phonons and vibrations of carbon nanostructures: The contribution of inelastic and quasi-elastic neutron scattering. European Physical Journal: Special Topics, 2012, 213, 77-102.	2.6	10
18592	Synergistic photothermal ablative effects of functionalizing carbon nanotubes with a POSS-PCU nanocomposite polymer. Journal of Nanobiotechnology, 2012, 10, 34.	9.1	26
18593	Growth of few-wall carbon nanotubes with narrow diameter distribution over Fe-Mo-MgO catalyst by methane/acetylene catalytic decomposition. Nanoscale Research Letters, 2012, 7, 102.	5.7	24
18594	Different cellular response mechanisms contribute to the length-dependent cytotoxicity of multi-walled carbon nanotubes. Nanoscale Research Letters, 2012, 7, 361.	5.7	54
18595	Single-step route to diamond-nanotube composite. Nanoscale Research Letters, 2012, 7, 535.	5.7	20
18596	Vibration of wavy single-walled carbon nanotubes based on nonlocal Euler Bernoulli and Timoshenko models. International Journal of Advanced Structural Engineering, 2012, 4, 3.	1.3	15
18597	Evaluation of new processes to achieve a high yield of carbon nanotubes by CVD method. International Nano Letters, 2012, 2, 1.	5.0	7
18598	Enhancement of dispersion and bonding of graphene-polymer through wet transfer of functionalized graphene oxide. EXPRESS Polymer Letters, 2012, 6, 1017-1031.	2.1	163

#	ARTICLE	IF	CITATIONS
18599	Imaging and diffraction characterisation of 2D inorganic nanostructures. Journal of Physics: Conference Series, 2012, 371, 012071.	0.4	0
18600	Current status of gene delivery: spotlight on nanomaterial-polymer hybrids. Journal of Drug Targeting, 2012, 20, 648-666.	4.4	14
18601	Low-Temperature Synthesis of Single-Walled Carbon Nanotubes in a High Vacuum Using Pt Catalyst in Alcohol Gas Source Method. Japanese Journal of Applied Physics, 2012, 51, 06FD23.	1.5	11
18603	Geometries and stabilities of transition metals doped perfect and Stone-Wales defective armchair (5,5) boron nitride nanotubes. Structural Chemistry, 2012, 23, 1819-1830.	2.0	19
18605	Electrical Conductivity of Polymer Nanocomposites. , 2012, , 327-344.		18
18607	Power is nothing without control. Nanotechnology, 2012, 23, 140201-140201.	2.6	0
18608	A Novel Design and Simulation of a Compact and Ultra Fast CNTFET Multi-valued Inverter Using HSPICE. , 2012, , .		4
18609	Magnetism in multivacancy graphene systems. Journal of Physics Condensed Matter, 2012, 24, 375304.	1.8	31
18610	An obvious rolling process in the synthesis of Y ₂ O ₃ :Eu ³⁺ micro-urchins built from nanoscrolls. CrystEngComm, 2012, 14, 7195.	2.6	5
18613	Covalently Functionalized Single-Walled Carbon Nanotubes at Reverse Micellar Interface: A Strategy to Improve Lipase Activity. Langmuir, 2012, 28, 1715-1724.	3.5	32
18614	Molecular Dynamics Simulation Study on the Carbon Nanotube Interacting with a Polymer. Bulletin of the Korean Chemical Society, 2012, 33, 893-896.	1.9	16
18615	Functionalized Carbon Nanotubes and Their Enhanced Polymers. , 2012, , 439-478.		5
18616	Graphene and Its Synthesis. , 2012, , 415-438.		10
18618	Graphenes in Supramolecular Gels and in Biological Systems. , 2012, , 339-372.		2
18619	Some novel molecular frameworks involving representative elements. Physical Chemistry Chemical Physics, 2012, 14, 14784.	2.8	10
18620	Synthesis of rigid and stable large-inner-diameter multiwalled carbon nanotubes. RSC Advances, 2012, 2, 2685.	3.6	6
18621	Temperature Dependent Thermopower and Resistance Measurements of CNT-MgB ₂ Composites. Materials Research Society Symposia Proceedings, 2012, 1407, 175.	0.1	0
18622	Black perspectives for a green future: hydrothermal carbons for environment protection and energy storage. Energy and Environmental Science, 2012, 5, 6796.	30.8	758

#	ARTICLE	IF	CITATIONS
18623	Features of the specific resistance of nanocomposite films fabricated from multiwall carbon tubes by means of a directed spinning chuck. Bulletin of the Russian Academy of Sciences: Physics, 2012, 76, 1051-1053.	0.6	1
18624	Immobilization in biotechnology and biorecognition: from macro- to nanoscale systems. Chemical Papers, 2012, 66, .	2.2	43
18625	Effects of germanium addition to copper phthalocyanine/fullerene-based solar cells. Open Engineering, 2012, 2, .	1.6	5
18626	Fabrication of boron-doped nanocrystalline diamond nanoflowers based on 3D Cu(OH) ₂ dendritic architectures. Journal of the Korean Physical Society, 2012, 60, 836-841.	0.7	4
18627	Comparison of simulation models for the coaxially-gated carbon-nanotube field-effect transistor. Journal of the Korean Physical Society, 2012, 61, 410-414.	0.7	5
18628	Solar Photoconversion Using Graphene/TiO ₂ Composites: Nanographene Shell on TiO ₂ Core versus TiO ₂ Nanoparticles on Graphene Sheet. Journal of Physical Chemistry C, 2012, 116, 1535-1543.	3.1	292
18629	Optical Properties of Nanoscale Transition Metal Oxides. Springer Series in Materials Science, 2012, , 87-126.	0.6	2
18630	Carbon-nanotube-modified glassy carbon electrode for simultaneous determination of dopamine, ascorbic acid and uric acid: The effect of functional groups. Sensors and Actuators B: Chemical, 2012, 171-172, 1132-1140.	7.8	85
18631	Nonenzymatic Electrochemical Detection of Glucose Using Well-Distributed Gold Nanoparticles on Graphene/Carbon Nanotube Nanohybrids. Advanced Materials Research, 2012, 600, 234-237.	0.3	1
18632	Shortened carbon nanotubes and their influence on the electrical properties of polymer nanocomposites. Journal of Composite Materials, 2012, 46, 1313-1322.	2.4	27
18633	Carcinogenicity evaluation for the application of carbon nanotubes as biomaterials in rasH2 mice. Scientific Reports, 2012, 2, 498.	3.3	43
18634	Nano- and Biotechniques for Electronic Device Packaging. , 2012, , 49-76.		1
18635	Self-Assembly of Nanowire-Based Field-Effect Transistors. , 2012, , 319-334.		0
18636	Thermal transport in nanostructures. AIP Advances, 2012, 2, .	1.3	138
18637	RF MEMS Switches. , 2012, , 2238-2238.		0
18638	Prediction of nonlocal scale parameter for carbon nanotubes. Science China: Physics, Mechanics and Astronomy, 2012, 55, 1670-1678.	5.1	19
18639	Carbon Nanomaterials: From Therapeutics to Regenerative Medicine. Journal of Nanomedicine & Biotherapeutic Discovery, 2012, 02, .	0.6	3
18640	Terahertz conductivity studies in carbon nanotube networks prepared by the vacuum filtration method. Proceedings of SPIE, 2012, , .	0.8	4

#	ARTICLE	IF	CITATIONS
18641	Carbon nanotubes and organic solar cells. Energy and Environmental Science, 2012, 5, 5919-5940.	30.8	158
18642	Raman Spectroscopy for Characterization of Semiconducting Nanowires. , 2012, , 477-506.		4
18643	A Short, Rigid, Structurally Pure Carbon Nanotube by Stepwise Chemical Synthesis. Journal of the American Chemical Society, 2012, 134, 107-110.	13.7	335
18644	TEMPERATURE DEPENDENCE OF ELECTRICAL RESISTANCE OF INDIVIDUAL CARBON NANOTUBES AND CARBON NANOTUBES NETWORK. Modern Physics Letters B, 2012, 26, 1250136.	1.9	31
18645	Dispersive Cleanup of Acetonitrile Extracts of Tea Samples by Mixed Multiwalled Carbon Nanotubes, Primary Secondary Amine, and Graphitized Carbon Black Sorbents. Journal of Agricultural and Food Chemistry, 2012, 60, 4026-4033.	5.2	79
18646	Historical Overview of Nanotechnology and Nanotoxicology. Methods in Molecular Biology, 2012, 926, 1-12.	0.9	34
18648	Adsorption and Electronic Structure Study of Imidazole on (6,0) Zigzag Single-Walled Boron Nitride Nanotube. Journal of Cluster Science, 2012, 24, 31.	3.3	9
18649	Fast and Selective Room-Temperature Ammonia Sensors Using Silver Nanocrystal-Functionalized Carbon Nanotubes. ACS Applied Materials & Interfaces, 2012, 4, 4898-4904.	8.0	164
18651	Accurate Measurement of Electron Beam Induced Displacement Cross Sections for Single-Layer Graphene. Physical Review Letters, 2012, 108, 196102.	7.8	383
18652	Microwave absorption in nanocomposite material of magnetically functionalized carbon nanotubes. Journal of Applied Physics, 2012, 112, .	2.5	28
18657	Electronic crystals: an experimental overview. Advances in Physics, 2012, 61, 325-581.	14.4	385
18658	Laser Scanning Confocal Microscopy. , 2012, , 1192-1192.		0
18659	Hydrothermal Carbons. , 2012, , 351-399.		13
18662	Partitioned-Formula Periodic Tables for Diamond Hydrocarbons (Diamondoids). Journal of Chemical Information and Modeling, 2012, 52, 2856-2863.	5.4	9
18663	Nanocarbon-Based Photovoltaics. ACS Nano, 2012, 6, 8896-8903.	14.6	117
18664	Towards the upper bound of electrochemical performance of ACNT@polyaniline arrays as supercapacitors. Energy and Environmental Science, 2012, 5, 5833-5841.	30.8	77
18665	Structural control of nanoparticles. , 2012, , 49-112.		1
18666	New optical bio-sensor from DNA and nano structures. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
18667	Reactive Depth and Performance of an Electrochemical Carbon Nanotube Network as a Function of Mass Transport. ACS Applied Materials & Interfaces, 2012, 4, 6096-6103.	8.0	52
18668	Dispersion of Multiwalled Carbon Nanotubes in Water Using Ionic-Complementary Peptides. Langmuir, 2012, 28, 12550-12556.	3.5	29
18669	Electronic conduction and microstructure in polymer composites filled with carbonaceous particles. Journal of Applied Physics, 2012, 112, 034118.	2.5	28
18670	High-Performance Carbon Nanotube Transparent Conductive Films by Scalable Dip Coating. ACS Nano, 2012, 6, 9737-9744.	14.6	277
18672	Carbon nanotubes and metalloporphyrins and metallophthalocyanines-based materials for electroanalysis. Journal of Porphyrins and Phthalocyanines, 2012, 16, 713-740.	0.8	41
18673	Graphene and Carbon Nanotube Applications in Mobile Devices. IEEE Transactions on Electron Devices, 2012, 59, 2876-2887.	3.0	14
18674	Effect of Amount of Carbon Nanotubes in Polyurethane Dispersions. Macromolecular Symposia, 2012, 321-322, 135-139.	0.7	5
18675	Sub-bands energy effect in the CNTFET characteristics. , 2012, , .		1
18676	Dimensional dependence of photomechanical response in carbon nanostructure composites: a case for carbon-based mixed-dimensional systems. Nanotechnology, 2012, 23, 215501.	2.6	31
18677	Flexible photovoltaic cells based on a grapheneâ€“CdSe quantum dot nanocomposite. Nanoscale, 2012, 4, 441-443.	5.6	63
18680	Impact ignition of aluminum-teflon based energetic materials impregnated with nano-structured carbon additives. Journal of Applied Physics, 2012, 112, 024902.	2.5	49
18681	Cadmium hydroxide nanowires â€“ new high capacity Niâ€“Cd battery anode materials without memory effect. Journal of Materials Chemistry, 2012, 22, 13922.	6.7	27
18682	Schottky barrier control gate-type carbon nanotube field-effect transistor biosensors. Journal of Applied Physics, 2012, 111, 034506.	2.5	3
18683	Optimized Design of a 32-nm CNFET-Based Low-Power Ultrawideband CCII. IEEE Nanotechnology Magazine, 2012, 11, 1100-1109.	2.0	51
18684	Ultralow Liquid/Solid Friction in Carbon Nanotubes: Comprehensive Theory for Alcohols, Alkanes, OMCTS, and Water. Langmuir, 2012, 28, 14261-14272.	3.5	110
18685	Morphology controllable synthesis of monkshoodvine root-bark like carbon and its biosensing application. Analyst, The, 2012, 137, 1031.	3.5	2
18686	Surface structure and field emission properties of cost effectively synthesized zinc oxide nanowire/multiwalled carbon nanotube heterojunction arrays. Journal Physics D: Applied Physics, 2012, 45, 285101.	2.8	23
18687	Design and Performance Analysis of Ultra Fast CNFET Comparator and CMOS Implementation Comparison. , 2012, , .		4

#	ARTICLE	IF	CITATIONS
18688	Growth of carbon nanotubes on spontaneously detached free standing diamond films and their field emission properties. <i>Diamond and Related Materials</i> , 2012, 30, 42-47.	3.9	18
18689	The effect of a magnetic field on the graphitization of carbon nanotubes and its application in field emission. <i>Diamond and Related Materials</i> , 2012, 25, 111-118.	3.9	6
18690	G-quartet type self-assembly of guanine functionalized single-walled carbon nanotubes. <i>Nanoscale</i> , 2012, 4, 1972.	5.6	31
18691	Mechanical behavior of MoS ₂ nanotubes under compression, tension, and torsion from molecular dynamics simulations. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	38
18692	Irradiation-mediated carbon nanotubes use in cancer therapy. <i>Journal of Cancer Research and Therapeutics</i> , 2012, 8, 348.	0.9	18
18693	Double Stimuli-Responsive Copolymer Stabilizers for Multiwalled Carbon Nanotubes. <i>ACS Macro Letters</i> , 2012, 1, 84-87.	4.8	72
18694	Recent advances in microwave initiated synthesis of nanocarbon materials. <i>Nanoscale</i> , 2012, 4, 707-714.	5.6	84
18695	Infrared Spectral Signatures of Surface-Fluorinated Graphene: A Molecular Dynamics Study. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 246-250.	4.6	13
18696	Reactive Transport Mechanism for Organic Oxidation during Electrochemical Filtration: Mass-Transfer, Physical Adsorption, and Electron-Transfer. <i>Journal of Physical Chemistry C</i> , 2012, 116, 374-383.	3.1	180
18697	Phase Change Material-Based Nanofluids for Heat Transfer Enhancement in Latent Heat Thermal Energy Storage System. <i>International Journal of Green Nanotechnology</i> , 2012, 4, 541-546.	0.3	13
18698	Synthesis and characterisation of ⁵⁷ Fe-Fe ₂ O ₃ nanowire arrays via a versatile, simple and low-cost method. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 477-484.	2.4	0
18699	Low-Temperature Thermal Conductivity of Short Single-Walled Carbon Nanotubes Using a Modified Nosé-Hoover Thermostat. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2012, 16, 242-259.	2.6	5
18700	Mixed modes interlaminar fracture toughness of cfrp laminates toughened with CNF interlayer. <i>Acta Mechanica Sinica</i> , 2012, 25, 321-330.	1.9	11
18701	Removal of dispersant-stabilized carbon nanotubes by regular coagulants. <i>Journal of Environmental Sciences</i> , 2012, 24, 1364-1370.	6.1	25
18702	Preparation and tribological performances of Ni-P-multi-walled carbon nanotubes composite coatings. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 2719-2725.	4.2	18
18703	Low-dimensional boron nitride nanomaterials. <i>Materials Today</i> , 2012, 15, 256-265.	14.2	343
18704	Carbon nanotubes for stem cell control. <i>Materials Today</i> , 2012, 15, 312-318.	14.2	39
18705	Graphene for radio frequency electronics. <i>Materials Today</i> , 2012, 15, 328-338.	14.2	112

#	ARTICLE	IF	CITATIONS
18706	Perspectives on carbon nanotube-mediated adverse immune effects. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1700-1705.	13.7	51
18707	Advancing risk assessment of engineered nanomaterials: Application of computational approaches. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1663-1693.	13.7	186
18708	Dual-production of nickel foam supported carbon nanotubes and hydrogen by methane catalytic decomposition. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12307-12316.	7.1	30
18709	Improved durability of Pt/CNT catalysts by the low temperature self-catalyzed reduction for the PEM fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17992-18000.	7.1	36
18710	Determination of non-steroidal anti-inflammatory drugs in urine by hollow-fiber liquid membrane-protected solid-phase microextraction based on sol-gel fiber coating. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 908, 67-75.	2.3	55
18711	Carbon nanotube-based antimicrobial biomaterials formed via layer-by-layer assembly with polypeptides. <i>Journal of Colloid and Interface Science</i> , 2012, 388, 268-273.	9.4	77
18712	Theoretical investigation of OCN ⁻ adsorption onto boron nitride nanotubes. <i>Applied Surface Science</i> , 2012, 261, 262-267.	6.1	33
18713	The preparation and cathodoluminescence of ZnS nanowires grown by chemical vapor deposition. <i>Applied Surface Science</i> , 2012, 261, 665-670.	6.1	18
18714	Site-controlled synthesis and mechanism of three-dimensional Mo ₂ S ₃ flowers. <i>Applied Surface Science</i> , 2012, 263, 410-415.	6.1	7
18715	Theoretical investigation of pristine and functionalized AlN and SiC single walled nanotubes as an adsorption candidate for methane. <i>Applied Surface Science</i> , 2012, 263, 553-562.	6.1	28
18716	Molecular simulation of flavin adenine dinucleotide immobilized on charged single-walled carbon nanotubes for biosensor applications. <i>Biomaterials</i> , 2012, 33, 8757-8770.	11.4	15
18717	A mesh-free computational framework for predicting buckling behaviors of single-walled carbon nanocones under axial compression based on the moving Kriging interpolation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012, 247-248, 103-112.	6.6	33
18718	Studies and comparison of the liquid adsorption behavior and surface properties of single- and multiwall carbon nanotubes by capillary rise method. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 86-90.	4.7	10
18719	Fracture analysis of carbon nanotubes in the context of an atomic-based cellular automata algorithm. <i>Computational Materials Science</i> , 2012, 65, 85-90.	3.0	3
18720	Effect of ball-milling time on mechanical properties of carbon nanotubes reinforced aluminum matrix composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2012, 43, 2161-2168.	7.6	249
18721	Influence of the functionalization of carbon nanotubes on calendering dispersion effectiveness in a low viscosity resin for VARIM processes. <i>Composites Part B: Engineering</i> , 2012, 43, 3482-3490.	12.0	36
18722	Vibration analysis of single-walled carbon nanotubes using different gradient elasticity theories. <i>Composites Part B: Engineering</i> , 2012, 43, 2985-2989.	12.0	87
18723	Filler dispersion and electrical properties of polyamide 12/MWCNT-nanocomposites produced in reactive extrusion via anionic ring-opening polymerization. <i>Composites Science and Technology</i> , 2012, 72, 1671-1677.	7.8	10

#	ARTICLE	IF	CITATIONS
18724	Influence of different carbon nanotubes on the electrical and mechanical properties of melt mixed poly(ether sulfone)-multi walled carbon nanotube composites. Composites Science and Technology, 2012, 72, 1933-1940.	7.8	12
18725	Characterization of non-covalently, non-specifically functionalized multi-wall carbon nanotubes and their melt compounded composites with an ethyleneâ€“octene copolymer. Composites Science and Technology, 2012, 73, 27-33.	7.8	27
18726	Electrical and thermal property enhancement of fiber-reinforced polymer laminate composites through controlled implementation of multi-walled carbon nanotubes. Composites Science and Technology, 2012, 72, 2009-2015.	7.8	125
18727	First principles study on the boronâ€“nitrogen domains segregated within (5,5) and (8,0) single-wall carbon nanotubes: Formation energy, electronic structure and reactivity. Computational and Theoretical Chemistry, 2012, 996, 11-20.	2.5	15
18728	Theoretical study of chemisorption of hydrogen atoms on the sidewalls of armchair single-walled carbon nanotubes with Stoneâ€“Wales defect. Computational and Theoretical Chemistry, 2012, 999, 121-125.	2.5	12
18729	Carbon nanotube exploration in cancer cell lines. Drug Discovery Today, 2012, 17, 1023-1030.	6.4	66
18730	Low Energy CO2-free Carbon Hydrate Splitting. Energy Procedia, 2012, 29, 480-485.	1.8	0
18731	Electrophoretically deposited carbon nanotubes as a novel support for electrogenerated silicaâ€“dehydrogenase bioelectrodes. Electrochimica Acta, 2012, 83, 359-366.	5.2	20
18732	An amperometric biosensor based on laccase immobilized onto Fe3O4NPs/cMWCNT/PANI/Au electrode for determination of phenolic content in tea leaves extract. Enzyme and Microbial Technology, 2012, 51, 179-185.	3.2	39
18733	Tunable mechanical properties of layer-by-layer self-assembled carbon nanotube/polymer nanocomposite membranes for M/NEMS. Sensors and Actuators A: Physical, 2012, 185, 101-108.	4.1	17
18734	Computational studies of the purine-functionalized graphene sheets. Superlattices and Microstructures, 2012, 52, 612-617.	3.1	37
18735	Boron nitride nanotubes with quadrangular cross sections: Density functional studies. Superlattices and Microstructures, 2012, 52, 648-652.	3.1	2
18736	The effects of source/drain and gate overlap on the performance of carbon nanotube field effect transistors. Superlattices and Microstructures, 2012, 52, 962-976.	3.1	19
18737	First-principles calculations of structural stability, electronic, and electrical responses of GeC nanotube under electric field effect for use in nanoelectronic devices. Superlattices and Microstructures, 2012, 52, 1119-1130.	3.1	16
18738	Rectifying behavior in nitrogen-doped zigzag single-walled carbon nanotube junctions. Solid State Communications, 2012, 152, 2040-2044.	1.9	11
18739	Carbon nanoscrolls by pyrolysis of a polymer. Solid State Communications, 2012, 152, 2092-2095.	1.9	11
18740	Fabrication of metal coated carbon nanotubes by electroless deposition for improved wettability with molten aluminum. Surface and Coatings Technology, 2012, 212, 207-213.	4.8	24
18741	Synthesis and characterization of molybdenum disulfide/multi-walled carbon nanotube coaxial nanotubes. Surface and Coatings Technology, 2012, 213, 202-206.	4.8	6

#	ARTICLE	IF	CITATIONS
18742	A novel needle trap device with single wall carbon nanotubes sol-gel sorbent packed for sampling and analysis of volatile organohalogen compounds in air. <i>Talanta</i> , 2012, 101, 314-321.	5.5	42
18743	Progress in the realization of a silicon-CNT photodetector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 695, 150-153.	1.6	3
18744	Observation of band gap and surface defects of ZnO nanoparticles synthesized via hydrothermal route at different reaction temperature. <i>Optics Communications</i> , 2012, 285, 5210-5216.	2.1	41
18745	Negative index photonic crystal lenses based on carbon nanotube arrays. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012, 10, 499-505.	2.0	7
18746	Piezoelectric ZnO-CNT nanotubes under axial strain and electrical voltage. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 46, 105-112.	2.7	17
18747	Modeling the buckling behavior of carbon nanotubes under simultaneous combination of compressive and torsional loads. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 46, 139-148.	2.7	13
18748	Effect of small scale on the dynamic characteristic of carbon nanotubes under axially oscillating loading. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 46, 198-205.	2.7	13
18749	Nonlinear free vibration of double walled carbon nanotubes by using describing function method with multiple trial functions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 46, 160-173.	2.7	29
18750	A study on interaction of DNA molecules and carbon nanotubes for an effective ejection of the molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 3267-3271.	2.1	3
18751	Theoretical investigation of electronic and thermoelectric properties of single-wall carbon nanotube π -n junction. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 3641-3644.	2.1	0
18752	B-doping makes the carbon nanocones sensitive towards NO molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 377, 107-111.	2.1	105
18753	Improved stability of volume resistivity in carbon black/ethylene-vinyl acetate copolymer composites by employing multi-walled carbon nanotubes as second filler. <i>Polymer</i> , 2012, 53, 4871-4878.	3.8	27
18754	Porous microfibers by the electrospinning of amphiphilic graft copolymer solutions with multi-walled carbon nanotubes. <i>Polymer</i> , 2012, 53, 5523-5539.	3.8	29
18755	Molecular modeling study of the structure and stability of polymer/carbon nanotube interfaces. <i>Polymer</i> , 2012, 53, 5480-5490.	3.8	49
18756	Dispersion of multi-walled carbon nanotubes with pyrene-functionalized polymeric micelles in aqueous media. <i>Polymer</i> , 2012, 53, 5502-5506.	3.8	36
18757	Localization of functionalized MWCNT in SAN/PPE blends and their influence on rheological properties. <i>Polymer</i> , 2012, 53, 5491-5501.	3.8	36
18758	Influence of shear-induced crystallization on the electrical conductivity of high density polyethylene carbon nanotube nanocomposites. <i>Polymer</i> , 2012, 53, 5909-5916.	3.8	16
18759	Rheological Characterization of Bituminous Binders Modified with Carbon Nanotubes. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 53, 546-555.	0.5	124

#	ARTICLE	IF	CITATIONS
18760	Synthesis and characterization of trifluoromethylated poly(etherâ€“imidazoleâ€“imide)s based on unsymmetrical diamine bearing carbazole and imidazole chromophores in ionic liquids: Study of electrochemical properties by using nanocomposite electrode. Journal of Fluorine Chemistry, 2012, 142, 29-40.	1.7	16
18761	Influence of the pore structure and surface chemistry on adsorption of ethylbenzene and xylene isomers by KOH-activated multi-walled carbon nanotubes. Journal of Hazardous Materials, 2012, 237-238, 102-109.	12.4	36
18762	Carbon nanotube-based membranes: Fabrication and application to desalination. Journal of Industrial and Engineering Chemistry, 2012, 18, 1551-1559.	5.8	165
18763	Facile method to prepare magnetic multi-walled carbon nanotubes by in situ co-precipitation route. Journal of Industrial and Engineering Chemistry, 2012, 18, 1568-1571.	5.8	14
18764	Towards control of carbon nanotube synthesis process using prediction-based fast Monte Carlo simulations. Journal of Manufacturing Systems, 2012, 31, 438-443.	13.9	7
18765	Growth study and photocatalytic properties of Co-doped tungsten oxide mesocrystals. Materials Characterization, 2012, 73, 130-136.	4.4	15
18766	Hydrothermal assisted synthesis of iron oxide-based magnetic silica spheres and their performance in magnetophoretic water purification. Materials Chemistry and Physics, 2012, 135, 510-517.	4.0	32
18767	In situ assembly of Ag ₂ O nanoparticles on low defect density carbon nanotubes. Materials Chemistry and Physics, 2012, 136, 666-672.	4.0	4
18768	In situ doping of carbon and sulfur from multifunctional agents to TiO ₂ nanospheres in waterâ€“acetone mixed solvent. Materials Research Bulletin, 2012, 47, 3427-3431.	5.2	3
18769	Synthesis of crystalline carbon nanofern-like structure by dc-PECVD and study of its electrical and field emission properties. Materials Research Bulletin, 2012, 47, 3868-3874.	5.2	2
18770	Facile synthesis and luminescent properties of TiO ₂ :Eu ³⁺ nanorods and spindle-shaped nanoparticles from titanate nanotubes precursors. Materials Research Bulletin, 2012, 47, 4322-4328.	5.2	6
18771	Carbon nanotubes induced nonisothermal crystallization of ultrahigh molecular weight polyethylene with reduced chain entanglements. Materials Letters, 2012, 89, 272-275.	2.6	20
18772	In situ spontaneous redox synthesis of carbon nanotubes/copper oxide nanocomposites and their preliminary application in electrocatalytic reduction of nitrate. Materials Letters, 2012, 89, 333-335.	2.6	9
18773	Histidine functionalized multi-walled carbon nanotubes as sorbent for flow injection-electrothermal atomic absorption spectrometric ultrasensitive determination of trace vanadium (V) in biological and environmental samples. Microchemical Journal, 2012, 104, 56-61.	4.5	26
18774	Concise route to prepared graphene-CNTs nanocomposite supported Pt nanoparticles and used as new electrode material for electrochemical sensing. Journal of Molecular Catalysis A, 2012, 363-364, 481-488.	4.8	7
18775	Effects of CNF dispersion on mechanical properties of CNF reinforced A7xxx nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 556, 337-342.	5.6	35
18776	Multi-functional fullerene soot/alumina composites with improved toughness and electrical conductivity. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 558, 13-20.	5.6	22
18777	High capacity hydrogen storage: Basic aspects, new developments and milestones. Nano Energy, 2012, 1, 566-589.	16.0	203

#	ARTICLE	IF	CITATIONS
18778	Fabrication and electro-optic properties of a MWCNT driven novel electroluminescent lamp. Nanotechnology, 2012, 23, 435704.	2.6	5
18779	Growth Techniques of Carbon Nanotubes. Nanoscience and Technology, 2012, , 45-66.	1.5	0
18780	Systems engineering at the nanoscale. , 2012, , .		1
18781	Controlled thin graphitic petal growth on oxidized silicon. Diamond and Related Materials, 2012, 27-28, 1-9.	3.9	34
18782	Bulk scale production of carbon nanofibers in an economical way. Frontiers of Materials Science, 2012, 6, 319-325.	2.2	0
18783	Reversal modes and magnetostatic interactions in Fe ₃ O ₄ /ZrO ₂ /Fe ₃ O ₄ multilayer nanotubes. Nanotechnology, 2012, 23, 495718.	2.6	35
18785	Direct synthesis of fullerene-intercalated porous carbon nanofibers by chemical vapor deposition. Carbon, 2012, 50, 5162-5166.	10.3	12
18786	Integration of CNT-Based Chemical Sensors and Biosensors in Microfluidic Systems. Springer Series on Chemical Sensors and Biosensors, 2012, , 59-101.	0.5	1
18787	Adsorption of Na, Mg, and Al atoms on BN nanotubes. Thin Solid Films, 2012, 526, 139-142.	1.8	11
18790	Plasmon Resonance Energy Transfer from Metallic Nanoparticles to Biomolecules. , 2012, , 2126-2126.		0
18792	Effect of Surfactants and Manufacturing Methods on the Electrical and Thermal Conductivity of Carbon Nanotube/Silicone Composites. Molecules, 2012, 17, 13157-13174.	3.8	46
18793	Nonlocal wave propagation in an embedded DWBNNT conveying fluid via strain gradient theory. Physica B: Condensed Matter, 2012, 407, 4281-4286.	2.7	32
18794	Tunable Growth of Indium Oxide from Nanoflute to Metal-Filled Nanotubes. Journal of Physical Chemistry C, 2012, 116, 5450-5455.	3.1	12
18796	Surface Reactivity for Chlorination on Chlorinated (5,5) Armchair SWCNT: A Computational Approach. Journal of Physical Chemistry C, 2012, 116, 22399-22410.	3.1	62
18797	Surfactant-Based Dispersant for Multiwall Carbon Nanotubes to Prepare Ceramic Composites by a Sol-Gel Method. Langmuir, 2012, 28, 1447-1452.	3.5	27
18799	CHAPTER 6. Nanocomposites from Furanic Derivatives. RSC Green Chemistry, 2012, , 150-184.	0.1	1
18800	The fabrication of vertically aligned and periodically distributed carbon nanotube bundles and periodically porous carbon nanotube films through a combination of laser interference ablation and metal-catalyzed chemical vapor deposition. Nanotechnology, 2012, 23, 215303.	2.6	9
18801	A tubular macrocycle from covalently linked anthracenes and meta-phenylene spacers. Chemical Communications, 2012, 48, 7678.	4.1	32

#	ARTICLE	IF	CITATIONS
18802	Low-Pressure Chemical Vapor Deposition (LPCVD). , 2012, , 1233-1233.		0
18803	Transformation of non-orthogonal X-junction of single-walled carbon nanotubes into parallel junction by heating. Chemical Physics Letters, 2012, 547, 42-46.	2.6	6
18804	Effect of multi-walled carbon nanotubes incorporation into benzyl methacrylate monolithic columns in capillary liquid chromatography. Analyst, The, 2012, 137, 4309.	3.5	48
18805	Gas Chromatographic Analysis of Wines. , 2012, , 689-710.		5
18806	Nanobiocatalysis for Enzymatic Biofuel Cells. Topics in Catalysis, 2012, 55, 1181-1200.	2.8	22
18808	Electrical transport through heterojunctions of single-walled carbon/silicon carbide/carbon nanotubes. Journal of Applied Physics, 2012, 111, 013704.	2.5	10
18809	Mechanics of SWCNT Aggregates Studied by Incremental Constrained Minimization. Journal of Nanomechanics & Micromechanics, 2012, 2, 15-22.	1.4	6
18810	Modeling Carbon Nanotube Reinforced Composite Materials. Journal of Nanomechanics & Micromechanics, 2012, 2, 7-14.	1.4	3
18811	A model of carbon nanotube synthesis in arc discharge plasmas. Journal Physics D: Applied Physics, 2012, 45, 315305.	2.8	20
18812	Pre-concentration and Sample Treatment Techniques for Trace Element Analysis. , 2012, , 365-394.		1
18813	Modulation of curved graphene nanoribbon optical absorption spectra by an electric field. Philosophical Magazine, 2012, 92, 4376-4388.	1.6	3
18814	A facile and efficient strategy for the preparation of stable CaMoO ₄ spherulites using ammonium molybdate as a molybdenum source and their excitation induced tunable luminescent properties for optical applications. Journal of Materials Chemistry, 2012, 22, 15562.	6.7	97
18815	Nanoadsorbents for Remediation of Aquatic Environment: Local and Practical Solutions for Global Water Pollution Problems. Critical Reviews in Environmental Science and Technology, 2012, 42, 1233-1295.	12.8	135
18816	A new strategy for chiral recognition of amino acids. Chemical Communications, 2012, 48, 2322.	4.1	43
18817	Scanning Probe Microscope Observation to Morphology of Typical Carbon Materials. Advanced Materials Research, 0, 508, 250-253.	0.3	0
18818	Solâ€“Gel Materials in Analytical Microextraction. , 2012, , 311-329.		1
18819	Theoretical study on the oxidation of zigzag silicon carbide nanotubes (SiCNTs) by singlet O ₂ . Physica B: Condensed Matter, 2012, 407, 4238-4243.	2.7	1
18820	Unexpected behaviour of multi-walled carbon nanotubes during â€œin situâ€“polymerization process: When carbon nanotubes act as initiators and control agents for radical polymerization. Polymer Chemistry, 2012, 3, 415-420.	3.9	11

#	ARTICLE	IF	CITATIONS
18821	Hydrogen confined in single-wall carbon nanotubes: Anisotropy effects on ro-vibrational quantum levels. Journal of Chemical Physics, 2012, 137, 064320.	3.0	9
18822	Fluorescent probe for Fe(III) based on pyrene grafted multiwalled carbon nanotubes by click reaction. Analyst, The, 2012, 137, 1718.	3.5	21
18823	Stone-Wales defects can cause a metal-semiconductor transition in carbon nanotubes depending on their orientation. Journal of Physics Condensed Matter, 2012, 24, 035301.	1.8	12
18824	First-Principles Study on Al or/and P Doped SiC Nanotubes. Advanced Materials Research, 2012, 510, 747-752.	0.3	1
18825	La(OH) ₃ :Ln ³⁺ and La ₂ O ₃ :Ln ³⁺ (Ln = Yb/Er,) Tj ETQq0 0 0 rgBT /Overl Design, 2012, 12, 306-312.	3.0	59
18826	Carbon Nanotubes Press-Transferred on PMMA Substrates as Exclusive Transducers for Electrochemical Microfluidic Sensing. Analytical Chemistry, 2012, 84, 10838-10844.	6.5	50
18827	INVESTIGATION OF SIZE EFFECTS ON STATIC RESPONSE OF SINGLE-WALLED CARBON NANOTUBES BASED ON STRAIN GRADIENT ELASTICITY. International Journal of Computational Methods, 2012, 09, 1240032.	1.3	33
18828	Polyoxometalate-based crystalline tubular microreactor: redox-active inorganic-organic hybrid materials producing gold nanoparticles and catalytic properties. Chemical Science, 2012, 3, 705-710.	7.4	93
18829	Carbon nanotube interaction with extracellular matrix proteins producing scaffolds for tissue engineering. International Journal of Nanomedicine, 2012, 7, 4511.	6.7	71
18830	Influence of disorder on thermal transport properties of boron nitride nanostructures. Physical Review B, 2012, 86, .	3.2	54
18831	Catalytic Conversion of Graphene into Carbon Nanotubes <i>via</i> Gold Nanoclusters at Low Temperatures. ACS Nano, 2012, 6, 501-511.	14.6	24
18832	Preparation, characterization, and luminescent properties of NaGd(WO ₄) ₂ :Eu ³⁺ nanotubes using carbon nanotubes as templates. Journal of Materials Research, 2012, 27, 1265-1270.	2.6	3
18833	Ballistic and non-ballistic gas flow through ultrathin nanopores. Nanotechnology, 2012, 23, 145706.	2.6	20
18834	Electrocatalytic oxidation of captopril on a vinylferrocene modified carbon nanotubes paste electrode. Analytical Methods, 2012, 4, 1332.	2.7	21
18836	Nonlinear optical properties of carbon nitride nanotubes. Physical Chemistry Chemical Physics, 2012, 14, 835-839.	2.8	17
18837	Mechanical properties of graphyne monolayers: a first-principles study. Physical Chemistry Chemical Physics, 2012, 14, 13385.	2.8	222
18838	Hydrogen Storage. , 2012, , 97-119.		0
18839	Salt Effects in the Formation of Self-Assembled Lithocholate Helical Ribbons and Tubes. Journal of Physical Chemistry B, 2012, 116, 11344-11355.	2.6	32

#	ARTICLE	IF	CITATIONS
18840	Analysis of Nanoparticles Based on Electrophoretic Separations. Comprehensive Analytical Chemistry, 2012, , 33-89.	1.3	4
18841	Analysis and Fate of Organic Nanomaterials in Environmental Samples. Comprehensive Analytical Chemistry, 2012, 59, 131-168.	1.3	4
18842	From titanates to TiO ₂ nanostructures: Controllable synthesis, growth mechanism, and applications. Science China Chemistry, 2012, 55, 2334-2345.	8.2	24
18843	Review of some recent progress on materials science researches in China. Science China Chemistry, 2012, 55, 2497-2502.	8.2	7
18844	The structural, electronic and magnetic properties of the 3d TM (V, Cr, Mn, Fe, Co, Ni and Cu) doped ZnO nanotubes: A first-principles study. Science China: Physics, Mechanics and Astronomy, 2012, 55, 428-435.	5.1	20
18845	Grinding characteristic of multi-walled carbon nanotubes-alumina composite particle. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 1009-1013.	1.0	5
18846	Effect of Ni-Coated Carbon Nanotubes on Interfacial Reaction and Shear Strength of Sn-Ag-Cu Solder Joints. Journal of Electronic Materials, 2012, 41, 2478-2486.	2.2	21
18847	Electrophoretic Deposition of Carbon Nanotubes on Silicon Substrates. Journal of Electronic Materials, 2012, 41, 3130-3138.	2.2	14
18848	Optimizing electrophoretic deposition conditions for enhancement in electrical conductivity of carbon fiber/carbon nanotube/epoxy hybrid composites. Journal of Central South University, 2012, 19, 3017-3022.	3.0	2
18849	Buckling analysis and small scale effect of biaxially compressed graphene sheets using non-local elasticity theory. Sadhana - Academy Proceedings in Engineering Sciences, 2012, 37, 461-480.	1.3	14
18850	Preparation and characterization of the covalent-integrated poly(lactic acid) and scrap leather fiber composites. Journal of Shanghai Jiaotong University (Science), 2012, 17, 586-592.	0.9	4
18851	Modulating lateral strain in GaN-based epitaxial layers by patterning sapphire substrates with aligned carbon nanotube films. Nano Research, 2012, 5, 646-653.	10.4	18
18852	Electroless Ni-P-CNT composite coating on aluminum powder. Metals and Materials International, 2012, 18, 1015-1021.	3.4	13
18853	Enhanced electron emission from tetrahedral amorphous carbon capped carbon nanotube core-shelled structure. Diamond and Related Materials, 2012, 21, 37-41.	3.9	3
18854	Wide-angle X-ray scattering as a quality test for carbon nanotubes. Diamond and Related Materials, 2012, 29, 18-22.	3.9	9
18855	Synthesis, Characterization of Hydrothermally Grown MWCNTs/TiO ₂ Photoelectrodes and Their Visible Light Absorption Properties. ECS Journal of Solid State Science and Technology, 2012, 1, M15-M23.	1.8	76
18858	Temperature and chemical sensitivity of carbon films on quartz. Carbon, 2012, 50, 5008-5016.	10.3	3
18859	Multiwalled carbon nanotubes-magnetite reinforced thermoplastic polypropylene-natural rubber blends. World Journal of Engineering, 2012, 9, 463-468.	1.6	4

#	ARTICLE	IF	CITATIONS
18860	Layer-by-layer self-assembling copper tetrasulfonated phthalocyanine on carbon nanotube modified glassy carbon electrode for electro-oxidation of 2-mercaptoethanol. Thin Solid Films, 2012, 526, 256-260.	1.8	13
18862	Compressive and tensile behaviors of carbon and boron nitride nanotubes. , 2012, , .		1
18863	Band gap engineering of silicene zigzag nanoribbons with perpendicular electric fields: a theoretical study. Journal of Physics Condensed Matter, 2012, 24, 455302.	1.8	33
18864	A Strategy To Functionalize the Carbon Nanotubes and the Nanocomposites Based on Poly(l-lactide). Industrial & Engineering Chemistry Research, 2012, 51, 13648-13654.	3.7	18
18865	Spontaneous Polygonization of Multiwalled Carbon Nanotubes: Perturbation Analysis. Japanese Journal of Applied Physics, 2012, 51, 065101.	1.5	2
18866	Recent Advances in Skin-Inspired Sensors Enabled by Nanotechnology. Jom, 2012, 64, 793-801.	1.9	18
18867	A modal analysis of carbon nanotube using elastic network model. Journal of Mechanical Science and Technology, 2012, 26, 3433-3438.	1.5	6
18868	Molecular Belts. Topics in Current Chemistry, 2012, 349, 249-290.	4.0	27
18869	Polyaromatic Ribbons from Oligo-Alkynes via Selective Radical Cascade: Stitching Aromatic Rings with Polyacetylene Bridges. Journal of the American Chemical Society, 2012, 134, 9609-9614.	13.7	72
18870	Novel Design of a Nanoflowmeter Based on Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 13429-13434.	3.1	7
18871	Nanodroplet Transport on Vibrated Nanotubes. Journal of Physical Chemistry Letters, 2012, 3, 353-357.	4.6	20
18872	Sustainable processing of waste plastics to produce high yield hydrogen-rich synthesis gas and high quality carbon nanotubes. RSC Advances, 2012, 2, 4045.	3.6	75
18873	Rapid Electrokinetic Patterning. , 2012, , 2201-2210.		0
18875	CNT cold cathode based THz wave technology. , 2012, , .		0
18876	Study of thallium(III) adsorption onto multiwall carbon nanotubes. New Carbon Materials, 2012, 27, 409-415.	6.1	23
18877	Synthesis of short multi-walled carbon nanotubes by molecular self-assembly. New Carbon Materials, 2012, 27, 416-420.	6.1	8
18878	Raman Spectroscopy for Nanomaterials Characterization. , 2012, , .		101
18879	Field-effect transistor biosensor fabricated With selective enrichment of semiconducting Single-Walled Carbon Nanotubes. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
18880	Structural improvement of CVD multi-walled carbon nanotubes by a rapid annealing process. <i>Diamond and Related Materials</i> , 2012, 25, 24-28.	3.9	25
18881	Thermodynamic modeling of particle formation and reshaping in metallic catalyst nanofilms for carbon nanotube growth. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2012, 20, 035002.	2.0	1
18882	A band-pass filter approach within molecular dynamics for the prediction of intrinsic quality factors of nanoresonators. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	14
18883	Superconductivity in 4-Angstrom carbon nanotubes—a short review. <i>Nanoscale</i> , 2012, 4, 21-41.	5.6	32
18884	Theoretical study of cyano radical adsorption on (6,0) zigzag single-walled carbon nanotube. <i>Monatshefte für Chemie</i> , 2012, 143, 1463-1470.	1.8	16
18885	Nonlinear free vibration of embedded double-walled carbon nanotubes with layerwise boundary conditions. <i>Acta Mechanica</i> , 2012, 223, 2523-2536.	2.1	16
18886	Bending buckling behavior of perfect and defective single-walled carbon nanotubes via a structural mechanics model. <i>Acta Mechanica</i> , 2012, 223, 2369-2378.	2.1	10
18887	Nitrogen-doped carbon nanotubes synthesized by pyrolysis of nitrogen-rich metal phthalocyanine derivatives for oxygen reduction. <i>Journal of Materials Chemistry</i> , 2012, 22, 18230.	6.7	27
18889	Adsorption and properties of aromatic amino acids on single-walled carbon nanotubes. <i>Nanoscale</i> , 2012, 4, 1146-1153.	5.6	45
18890	Chlorination of carbon nanotubes. <i>Physical Review B</i> , 2012, 85, .	3.2	13
18891	Development of carbon nanotube paste for dye-sensitized solar cells. , 2012, , .		0
18892	A novel multi-wall CNT synthesis technique using conventional CVD with controlled pressure. <i>Proceedings of SPIE</i> , 2012, , .	0.8	0
18893	Correlation between parameters of carbon nanotubes and conditions of their production by catalytic pyrolysis of hydrocarbons. <i>Theoretical Foundations of Chemical Engineering</i> , 2012, 46, 401-405.	0.7	1
18894	Donor doping of single-walled carbon nanotubes by filling of channels with silver. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 115, 485-491.	0.9	40
18895	Deep Brain Stimulation. , 2012, , .		7
18896	Molecular dynamics properties of varying amounts of the anticancer drug gemcitabine inside an open-ended single-walled carbon nanotube. <i>Chemical Physics Letters</i> , 2012, 550, 99-103.	2.6	19
18898	Nanorobotic transfer and characterization of graphene flakes. , 2012, , .		5
18899	Detailed investigation on single water molecule entering carbon nanotubes. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2012, 33, 1287-1300.	3.6	7

#	ARTICLE	IF	CITATIONS
18901	Electrochromic behaviour of PANI/carbon nanotube electrochromic cell. , 2012, , .		0
18902	Solvent effects on tamoxifen molecule interacting with a single-walled carbon nanotube: a theoretical NMR study. Russian Chemical Bulletin, 2012, 61, 2212-2217.	1.5	3
18903	MWCNTs/P(St-co-GMA) Composite Nanofibers of Engineered Interface Chemistry for Epoxy Matrix Nanocomposites. ACS Applied Materials & Interfaces, 2012, 4, 777-784.	8.0	50
18904	Optimal Carbon Nanotubes Concentration Incorporated in Mortar and Concrete. Advanced Materials Research, 0, 587, 107-110.	0.3	24
18905	Structure and Ionic Transport Properties of Ag ⁺ within Single-Wall Carbon Nanotubes from Molecular Dynamics Simulation. Journal of Physical Chemistry C, 2012, 116, 19554-19570.	3.1	5
18906	Ab-initio calculations for a realistic sensor: A study of CO sensors based on nitrogen-rich carbon nanotubes. AIP Advances, 2012, 2, .	1.3	10
18907	Preparation and Characterization of BCN Nanotubes and their Sensitivity to NO ₂ at Room Temperature. Advanced Materials Research, 0, 616-618, 1778-1782.	0.3	0
18908	Characterization of Nanocomposites by Thermal Analysis. Materials, 2012, 5, 2960-2980.	2.9	176
18909	Detection of oxygen vacancy defect states in oxide nanobelts by using thermally stimulated current spectroscopy. Semiconductor Science and Technology, 2012, 27, 065021.	2.0	4
18910	Evaluation of the individualization state in single-walled carbon nanotube solutions using absorption, Raman and photoluminescence spectroscopy. Measurement Science and Technology, 2012, 23, 125501.	2.6	6
18911	Graphene: Fundamentals and functionalities. MRS Bulletin, 2012, 37, 1119-1124.	3.5	37
18912	Tribological and electrical properties of ceramic matrix composites with carbon nanotubes. Ceramics International, 2012, 38, 5669-5676.	4.8	52
18913	Initial Stages of Growth of Nitrogen-Doped Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2012, 116, 18538-18549.	3.1	8
18914	Amperometric determination of xanthine in fish meat by zinc oxide nanoparticle/chitosan/multiwalled carbon nanotube/polyaniline composite film bound xanthine oxidase. Analyst, The, 2012, 137, 754-759.	3.5	96
18915	Replacement/Etching Route to ZnSe Nanotube Arrays and Their Enhanced Photocatalytic Activities. Industrial & Engineering Chemistry Research, 2012, 51, 4208-4214.	3.7	75
18916	Computational Prediction of New Hydrocarbon Materials: The Hydrogenated Forms of Graphdiyne. Journal of Physical Chemistry C, 2012, 116, 19211-19214.	3.1	32
18917	Modeling of Chemical Reactivity of Carbon Nanotubes: A Review. , 2012, , 173-208.		0
18918	A Survey on Dispersion Mechanisms of Multi-Walled Carbon Nanotubes in an Aqueous Media by UV-Vis, Raman Spectroscopy, TGA, and FTIR. Journal of Dispersion Science and Technology, 2012, 33, 955-959.	2.4	4

#	ARTICLE	IF	CITATIONS
18919	Applications of Density Functional Theory to Chemical Reactivity. Structure and Bonding, 2012, , .	1.0	10
18920	Buckling Instability of Carbon Nanotube Atomic Force Microscope Probe Clamped in an Elastic Medium. Journal of Nanotechnology in Engineering and Medicine, 2012, 3, .	0.8	7
18921	Detection of Non-Amplified Genomic DNA. Soft and Biological Matter, 2012, , .	0.3	11
18922	Carbon nanotube research developments in terms of published papers and patents, synthesis and production. Scientia Iranica, 2012, 19, 2012-2022.	0.4	38
18924	Microwave characterization of a single multi-wall carbon nanotube. , 2012, , .		0
18925	Synthesis of nanocomposites on basis of single-walled carbon nanotubes intercalated by manganese halogenides. Journal of Physics: Conference Series, 2012, 345, 012034.	0.4	8
18926	Characterization of Nanomaterials Produced from Sugarcane Bagasse. Journal of Materials Research and Technology, 2012, 1, 31-34.	5.8	22
18927	Quantum Optics Effects in Quasi-One-Dimensional and Two-Dimensional Carbon Materials. Journal of Physical Chemistry C, 2012, 116, 63-80.	3.1	9
18928	Green Solvents II. , 2012, , .		48
18929	Conjugated polyelectrolyte complexes with single-walled carbon nanotubes for amperometric detection of glucose with inherent anti-interference properties. Journal of Materials Chemistry, 2012, 22, 9147.	6.7	21
18930	Exciton states and optical properties of carbon nanotubes. Journal of Physics Condensed Matter, 2012, 24, 483001.	1.8	12
18931	Computation of the infrared active modes in single-walled boron nitride nanotube bundles. Journal of Physics Condensed Matter, 2012, 24, 335304.	1.8	1
18932	Complex clover cross-sectioned nanotubules exist in the structure of the first uranium borate phosphate. Chemical Communications, 2012, 48, 3479.	4.1	25
18933	Effect of substrate bias on microstructure and tribological performance of GLC films using hybrid HIPIMS technique. Transactions of Nonferrous Metals Society of China, 2012, 22, s740-s744.	4.2	6
18934	Self-Assembly of Nanostructures. , 2012, , .		6
18935	Noncovalent Functionalization of Carbon Nanotubes. , 2012, , .		18
18936	Fully automatic system for producing carbon nanotubes (CNTs) by using arc-discharge technique multi electrodes. , 2012, , .		3
18937	Water-Dispersible, Sulfonated Hyperbranched Poly(ether-ketone) Grafted Multiwalled Carbon Nanotubes as Oxygen Reduction Catalysts. ACS Nano, 2012, 6, 6345-6355.	14.6	57

#	ARTICLE	IF	CITATIONS
18938	Synthesis of carbon nanofibres over nanoporous NiO-MgO catalyst: influence of the bimetallic Ni-Cu. <i>Journal of Materials Chemistry</i> , 2012, 22, 5080.	2.4	13
18939	Selectively grown Carbon Nanotubes (CNTs): Characterization and field emission properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 5080.		3
18940	Temporally and spatially controlled silicification for self-generating polymer@silica hybrid nanotube on substrates with tunable film nanostructure. <i>Journal of Materials Chemistry</i> , 2012, 22, 5080.	6.7	17
18941	Metal-doped carbon nanotubes interacting with vitamin C. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16737.	2.8	5
18942	Density Functional Study of Fluorinated Single-Walled Silicon Carbide Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 1702-1708.	3.1	36
18943	Fe nanoparticle-functionalized multi-walled carbon nanotubes: one-pot synthesis and their applications in magnetic removal of heavy metal ions. <i>Journal of Materials Chemistry</i> , 2012, 22, 9230.	6.7	67
18944	Single species transport and self diffusion in wide single-walled carbon nanotubes. <i>Journal of Chemical Physics</i> , 2012, 136, 234902.	3.0	13
18945	Enhancement in the thermomechanical properties of carbon fibre-carbon nanotubes-epoxy hybrid composites. <i>International Journal of Nanotechnology</i> , 2012, 9, 1040.	0.2	12
18946	Water dissociation on a gold cluster: the effect of carbon nanostructures as a substrate. <i>RSC Advances</i> , 2012, 2, 10262.	3.6	12
18947	Electrospun hybrid nanofibers doped with nanoparticles or nanotubes for biomedical applications. <i>Therapeutic Delivery</i> , 2012, 3, 1155-1169.	2.2	46
18948	Synthesis of Cycloparaphenylenes and Related Carbon Nanorings: A Step toward the Controlled Synthesis of Carbon Nanotubes. <i>Accounts of Chemical Research</i> , 2012, 45, 1378-1389.	15.6	365
18949	Carbon allotropes with triple bond predicted by first-principle calculation: Triple bond modified diamond and T -carbon. <i>Physical Review B</i> , 2012, 86, 161401.	3.2	72
18950	Lowest enthalpy polymorph of cold-compressed graphite phase. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 4347.	2.8	80
18954	Vibration Analysis of Single Walled Boron Nitride Nanotube Based Nanoresonators. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2012, 3, 1.	0.8	17
18955	Doubly-Clamped Single Walled Boron Nitride Nanotube Based Nanomechanical Resonators: A Computational Investigation of Their Behavior. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2012, 3, 1.	0.8	8
18956	Interaction of Carbon Nanotube with Ethylene Glycol-Water Binary Mixture: A Molecular Dynamics and Density Functional Theory Investigation. <i>Journal of Physical Chemistry C</i> , 2012, 116, 4365-4373.	3.1	32
18957	Thermal Annealing Induced Enhancements of Electrical Conductivities and Mechanism for Multiwalled Carbon Nanotubes Filled Poly(Ethylene-co-Hexene) Composites. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 6468-6478.	8.0	58
18959	Piezoelectric Effect at Nanoscale. <i>Journal of Materials Chemistry</i> , 2012, 22, 2085-2099.		2

#	ARTICLE	IF	CITATIONS
18960	Single-Molecule Sensing Using Carbon Nanotubes Decorated with Magnetic Clusters. ACS Nano, 2012, 6, 10786-10791.	14.6	53
18961	Robot-Based Automation on the Nanoscale. , 2012, , 2246-2264.		1
18962	Improving the signal-to-noise ratio of an ECL-based sensor using ad hoc carbon nanotube electrodes. Journal of Micromechanics and Microengineering, 2012, 22, 074010.	2.6	6
18963	Glycoconjugate-functionalized carbon nanotubes in biomedicine. Journal of Materials Chemistry, 2012, 22, 8748.	6.7	34
18964	Electrocatalytic determination of oxalic acid by TiO ₂ nanoparticles/multiwalled carbon nanotubes modified electrode. Analytical Methods, 2012, 4, 3314.	2.7	24
18965	Mechanical properties of graphdiyne sheet. Physica B: Condensed Matter, 2012, 407, 4436-4439.	2.7	112
18966	Carbon Nanotubes as Platforms for Biosensors with Electrochemical and Electronic Transduction. Springer Theses, 2012, , .	0.1	19
18967	Bifunctional FePt@MWCNTs/Ru Nanoarchitectures: Synthesis and Characterization. Chemistry of Materials, 2012, 24, 3393-3400.	6.7	28
18968	Ultra-high crystallinity millimeter long multiwall carbon nanotubes fabricated by mechanothermal method. Materials Science-Poland, 2012, 30, 226-230.	1.0	0
18969	Emerging role of radiolabeled nanoparticles as an effective diagnostic technique. EJNMMI Research, 2012, 2, 39.	2.5	120
18970	Carbon nanotubes modified with porphyrin units for gaseous phase chemical sensing. Sensors and Actuators B: Chemical, 2012, 170, 163-171.	7.8	44
18971	Cell Permeability, Migration, and Reactive Oxygen Species Induced by Multiwalled Carbon Nanotubes in Human Microvascular Endothelial Cells. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 112-128.	2.3	95
18972	Molecularly imprinted polymer based on multiwalled carbon nanotubes for ribavirin recognition. Journal of Polymer Research, 2012, 19, 1.	2.4	18
18973	Preparation, Characterization, and Anticorrosive Properties of Polyaniline Nanotubes. International Journal of Polymeric Materials and Polymeric Biomaterials, 2012, 61, 949-962.	3.4	22
18974	Magnetic nanoparticles modified with polydimethylsiloxane and multi-walled carbon nanotubes for solid-phase extraction of fluoroquinolones. Mikrochimica Acta, 2012, 179, 257-264.	5.0	48
18975	Synthesis of Cu/CNTs nanocomposites for antimicrobial activity. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2012, 3, 045011.	1.5	28
18976	Biocompatibility and bone tissue compatibility of alumina ceramics reinforced with carbon nanotubes. Nanomedicine, 2012, 7, 981-993.	3.3	55
18977	Propylene Glycol Methyl Ether Acetate (PGMEA). , 2012, , 2180-2180.		0

#	ARTICLE	IF	CITATIONS
18979	A novel molecularly imprinted electrochemiluminescence sensor for isoniazid detection. Analyst, The, 2012, 137, 3644.	3.5	47
18980	Preparation and characterization of Polyvinylbutyral/Graphene Nanocomposite. Journal of Polymer Research, 2012, 19, 1.	2.4	65
18981	Polymer Coatings. , 2012, , 2167-2174.		1
18982	Performance Analysis of Dynamic Threshold-Voltage CNTFET for High-Speed Multi-level Voltage Detector. , 2012, , .		3
18983	Reduction of ambipolarity in carbon nanotube field-effect transistor by non-uniform source/ drain doping and increased extension length. , 2012, , .		0
18984	Facile synthesis of multiwall carbon nanotubes/iron oxides for removal of tetrabromobisphenol A and Pb(ii). Journal of Materials Chemistry, 2012, 22, 15853.	6.7	155
18985	Plasmon polariton deceleration in graphene structures. Journal of Nanophotonics, 2012, 6, 061719.	1.0	20
18986	Novel Nanocarbons for Adsorption. , 2012, , 3-34.		18
18987	Effect of substrate bias in hydrogenated amorphous carbon films having embedded nanocrystallites deposited by cathodic jet carbon arc technique. Diamond and Related Materials, 2012, 25, 63-72.	3.9	16
18988	Effect of ferrocene concentration in a working gas mixture on carbon-nanotube growth parameters. Semiconductors, 2012, 46, 1613-1615.	0.5	2
18989	Efficient and Compact Electrical Modeling of Multi Walled Carbon Nanotube Interconnects. , 2012, , .		3
18990	High NIR-purity index single-walled carbon nanotubes for electrochemical sensing in microfluidic chips. Lab on A Chip, 2012, 12, 2006.	6.0	32
18991	Spectroscopic study of double-walled carbon nanotube functionalization for preparation of carbon nanotube / epoxy composites. Carbon, 2012, 50, 4987-4994.	10.3	35
18992	Adsorption and Diffusion of Methane in Silica Nanopores: A Comparison of Single-Site and Five-Site Models. Journal of Physical Chemistry C, 2012, 116, 2344-2355.	3.1	22
18993	Ethanol Gas Sensor Based on Self-Assembled Multi-Walled Carbon Nanotube Film. Applied Mechanics and Materials, 2012, 241-244, 881-884.	0.2	1
18994	Nanowired Drug Delivery of Antioxidant Compound H-290/51 Enhances Neuroprotection in Hyperthermia-Induced Neurotoxicity. CNS and Neurological Disorders - Drug Targets, 2012, 11, 50-64.	1.4	21
18995	Development of Quantum Simulator for Emerging Nanoelectronics Devices. ISRN Nanotechnology, 2012, 2012, 1-10.	1.3	0
18996	A Review: Carbon Nanotube-Based Piezoresistive Strain Sensors. Journal of Sensors, 2012, 2012, 1-15.	1.1	230

#	ARTICLE	IF	CITATIONS
18997	One-Dimensional SnO ₂ Nanostructures: Synthesis and Applications. Journal of Nanotechnology, 2012, 2012, 1-12.	3.4	60
18998	The Electronic Properties of the Graphene and Carbon Nanotubes: <i>Ab Initio</i> Density Functional Theory Investigation. ISRN Nanotechnology, 2012, 2012, 1-7.	1.3	8
18999	The Separation Power of Nanotubes in Membranes: A Review. ISRN Nanotechnology, 2012, 2012, 1-17.	1.3	29
19000	Optofluidics for Lab-on-a-Chip. Advances in OptoElectronics, 2012, 2012, 1-2.	0.6	0
19001	The Optimum Dispersion of Carbon Nanotubes for Epoxy Nanocomposites: Evolution of the Particle Size Distribution by Ultrasonic Treatment. Journal of Nanotechnology, 2012, 2012, 1-14.	3.4	55
19002	Synthesis of Carbon Nanocapsules and Nanotubes Using Fe-Doped Fullerene Nanowhiskers. Journal of Nanotechnology, 2012, 2012, 1-6.	3.4	1
19003	Fabrication of Aligned-Carbon-Nanotube-Composite Paper with High and Anisotropic Conductivity. Journal of Nanotechnology, 2012, 2012, 1-5.	3.4	7
19004	High Performance PET/Carbon Nanotube Nanocomposites: Preparation, Characterization, Properties and Applications. , 0, , .		4
19005	Mechanical and Electrical Properties: Electrospun Alginate/Carbon Nanotube Composite Nanofiber. Dhaka University Journal of Science, 2012, 60, 125-128.	0.2	12
19006	Theoretical Prediction of Tensile Behavior of Single-Walled Carbon Nanotubes. Current Nanoscience, 2012, 8, 42-46.	1.2	2
19007	FEM MODELING OF PERIODIC ARRAYS OF MULTIWALLED CARBON NANOTUBES. Progress in Electromagnetics Research M, 2012, 22, 1-12.	0.9	6
19009	Patterning of Aligned CNT Films Using SiO ₂ Particles Monolayer as a Mask. E-Journal of Surface Science and Nanotechnology, 2012, 10, 198-202.	0.4	3
19010	Synthesis and Properties of One-dimensional ZnO Nanostructures and their Integration into Dye-sensitive Solar Cells. Nanoscience and Nanotechnology - Asia, 2012, 2, 11-27.	0.7	0
19011	EFFECTS OF RIPPLING DEFORMATION AND MIDPLANE STRETCHING ON NONLINEAR VIBRATION OF EMBEDDED CARBON NANOTUBE. International Journal for Multiscale Computational Engineering, 2012, 10, 295-305.	1.2	5
19012	Conformational Changes of the Protein Domains Upon Binding with Carbon Nanotubes Studied by Molecular Dynamics Simulations. Current Physical Chemistry, 2012, 2, 12-22.	0.2	7
19013	An Exact Solution for Combined Loading of a Double Walled Carbon Nanotube. Micro and Nanosystems, 2012, 4, 29-36.	0.6	0
19014	Field Emission Organic Light Emitting Diode. , 2012, , .		0
19015	CURRENT SCIENTIFIC TRAJECTORIES AND INTERACTIONS BETWEEN MAIN WORLD GEO-ECONOMIC PLAYERS IN NANOTECHNOLOGY RESEARCH. , 0, , .		1

#	ARTICLE	IF	CITATIONS
19016	In vivo Toxicity Studies of Pristine Carbon Nanotubes: A Review. , 0, , .		3
19017	On-Site Determination of Heavy Metal in Soil Using Electrochemical Stripping Analysis. , 2012, , .		2
19018	Carbon Nanotubes “Imprinted Polymers: Hybrid Materials for Analytical Applications. , 2012, , .		2
19019	Carbon Nanotubes Filled With Ternary Chalcohalides. , 0, , .		2
19020	Carbon Nanomaterials “A New Form of Ion Exchangers. , 2012, , .		0
19021	Tailoring the Microstructure Characteristics of Cu-MWCNT Metal Matrix Composites Through Modified Deposition Parameters. ECS Meeting Abstracts, 2012, , .	0.0	0
19022	Dye-Sensitized Solar Cells Based on Polyaniline - Single Waller Carbon Nanotubes Composite. ECS Meeting Abstracts, 2012, , .	0.0	0
19023	Membranes Coupled with Nanotechnology for Drinking Water: An Overview. Current Biotechnology, 2012, 1, 42-71.	0.4	1
19024	Fabrication and Mechanical Properties of a Micro/Nanoscale Hybrid Composite. International Journal of Nonlinear Sciences and Numerical Simulation, 2012, 13, 153-157.	1.0	3
19025	Development of Empirical Relations for the Transversely Isotropic Properties of Zigzag, Armchair and Chiral Single-Walled Carbon Nanotubes. Advanced Composites Letters, 2012, 21, 096369351202100.	1.3	4
19026	Fabrication and Mechanical Properties of Cnt/6063 Al Composites Prepared by Vacuum Assisted Infiltration Technique Using Cnt-Al Preforms. Advanced Composites Letters, 2012, 21, 096369351202100.	1.3	9
19027	Comparison of Polyimide Composites with Non-covalent Modified and Acid Modified Multi-wall Carbon Nanotube. Polymers and Polymer Composites, 2012, 20, 353-358.	1.9	4
19028	Fabrication of Metal Oxide and Fullerene Layer-by-Layered Nanocomposite Films. Kobunshi Ronbunshu, 2012, 69, 171-178.	0.2	2
19029	A Review of Space Tether Technology. Recent Patents on Space Technology, 2012, 2, 22-36.	0.1	28
19030	Nonlocal continuum mechanics formulation for axial, flexural, shear and contraction coupled wave propagation in single walled carbon nanotubes. Latin American Journal of Solids and Structures, 2012, 9, 497-514.	1.0	9
19031	The Role of Nanotechnology in Automotive Industries. , 0, , .		17
19032	Clay Mineral Nanotubes: Stability, Structure and Properties. , 0, , .		4
19033	Photothermal response of CVD synthesized carbon (nano)spheres/aqueous nanofluids for potential application in direct solar absorption collectors: a preliminary investigation. Nanotechnology, Science and Applications, 2012, 5, 49.	4.6	24

#	ARTICLE	IF	CITATIONS
19035	Carbon Nanofiber Synthesis within 3-Dimensional Sintered Nickel Microfibrous Matrices: Optimization of Synthesis Conditions. Journal of Nanotechnology, 2012, 2012, 1-14.	3.4	3
19036	S�ntese de nanotubos de carbono a partir do baga�so da cana-de-a��car. Revista Escola De Minas, 2012, 65, 313-318.	0.1	4
19038	Integrated Biomimetic Carbon Nanotube Composites for Biomedical Applications. , 0, , .		2
19039	Incorporation of CNT-yarns into metals by laser melting of powder. , 2012, , .		0
19040	Nano-cubes Produced by Electric Arc Discharge and Their Compression Strength. Nanoscience and Nanotechnology - Asia, 2012, 2, 47-53.	0.7	0
19041	Phase Separations in Mixtures of a Nanoparticle and a Liquid Crystal. , 0, , .		0
19042	Nanometer wide ribbons and triangles by STM lithography of graphene. Nanopages, 2012, 7, 1-7.	0.2	1
19043	The effect of localized lateral growth of multiwalled carbon nanotubes with ammonia plasma post�treatment. Surface and Interface Analysis, 2012, 44, 535-538.	1.8	1
19044	Effect of field emission property of carbon�like nanofiber treated by using a fluorocarbon/oxygen plasma. Surface and Interface Analysis, 2012, 44, 573-577.	1.8	2
19045	Molybdenum oxide crystals encapsulated inside carbon nanotubes by heat treatment in air. Surface and Interface Analysis, 2012, 44, 797-800.	1.8	3
19046	Plasma Functionalization of Multiwalled Carbon Nanotubes and Their Use in the Preparation of Nylon 6�Based Nanohybrids. Plasma Processes and Polymers, 2012, 9, 503-512.	3.0	54
19047	Rheological signatures of ethylene methyl acrylate�multiwalled carbon nanotube nanocomposites. Polymers for Advanced Technologies, 2012, 23, 65-76.	3.2	11
19048	Optimization of stress wave propagation in a multilayered elastic/viscoelastic hybrid composite based on carbon fibers/carbon nanotubes. Polymer Composites, 2012, 33, 196-206.	4.6	10
19049	Mechanical, thermal, and rheological behavior of ethylene methyl acrylate�MWNT nanocomposites. Polymer Engineering and Science, 2012, 52, 277-288.	3.1	1
19050	Structural and electronic properties of conducting Cu nanowire encapsulated in semiconducting zigzag carbon nanotubes: A first�principles study. Physica Status Solidi (B): Basic Research, 2012, 249, 1033-1038.	1.5	8
19051	Food electroanalysis: sense and simplicity. Chemical Record, 2012, 12, 72-91.	5.8	90
19052	Novel approaches for drug delivery systems in nanomedicine: effects of particle design and shape. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 52-65.	6.1	93
19053	Synthesis and characterization of pyrene bearing amphiphilic miktoarm star polymer and its noncovalent interactions with multiwalled carbon nanotubes. Journal of Polymer Science Part A, 2012, 50, 2406-2414.	2.3	28

#	ARTICLE	IF	CITATIONS
19054	A versatile encapsulation method of noncovalently modified carbon nanotubes by RAFT polymerization. <i>Journal of Polymer Science Part A</i> , 2012, 50, 4403-4407.	2.3	34
19055	Influence of multiwall carbon nanotubes on morphological and structural changes during UV irradiation of syndiotactic polypropylene films. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 963-975.	2.1	20
19056	<i>In situ</i> fabrication of freestanding single-walled carbon nanotube rope interconnection. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2179-2185.	1.8	1
19057	Carbon Nanomaterials for Advanced Energy Conversion and Storage. <i>Small</i> , 2012, 8, 1130-1166.	10.0	1,304
19058	Carbon Nanotubes in the Liquid Phase: Addressing the Issue of Dispersion. <i>Small</i> , 2012, 8, 1299-1313.	10.0	122
19059	Interactions of Gold Nanoparticles with the Interior of Hollow Graphitized Carbon Nanofibers. <i>Small</i> , 2012, 8, 1222-1228.	10.0	29
19060	CVD-Grown Horizontally Aligned Single-Walled Carbon Nanotubes: Synthesis Routes and Growth Mechanisms. <i>Small</i> , 2012, 8, 1973-1992.	10.0	49
19061	Small-Sized Carbon Nanohorns Enabling Cellular Uptake Control. <i>Small</i> , 2012, 8, 2524-2531.	10.0	44
19062	Critical Capillary Absorption of Current-Melted Silver Nanodroplets into Multiwalled Carbon Nanotubes. <i>Small</i> , 2012, 8, 2158-2162.	10.0	11
19063	In pursuit of nanocarbons. <i>Chemical Record</i> , 2012, 12, 296-305.	5.8	9
19064	Surface modifications of aligned carbon nanotube thin films by Argon-ion sputtering. <i>IEEJ Transactions on Electrical and Electronic Engineering</i> , 2012, 7, 436-437.	1.4	1
19065	Electrochemical reduction of tartrazine at multi-walled carbon nanotube-modified pyrolytic graphite electrode. <i>Russian Journal of Physical Chemistry A</i> , 2012, 86, 303-310.	0.6	16
19066	Fabrication of aligned single wall carbon nanotube absorbers for high power passive mode-locked Nd:GdVO ₄ laser. <i>Laser Physics</i> , 2012, 22, 54-59.	1.2	1
19067	A computational investigation of carbon-doped beryllium monoxide nanotubes. <i>Open Chemistry</i> , 2012, 10, 96-104.	1.9	4
19068	Comparison of biosensors based on gold and nanocomposite electrodes for monitoring of malic acid in wine. <i>Open Chemistry</i> , 2012, 10, 157-164.	1.9	12
19069	Assessing Nanoparticle Toxicity. <i>Annual Review of Analytical Chemistry</i> , 2012, 5, 181-205.	5.4	309
19070	Controlling the shapes and assemblages of graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7951-7952.	7.1	11
19071	Synthesis and analytical applications of photoluminescent carbon nanodots. <i>Green Chemistry</i> , 2012, 14, 917.	9.0	404

#	ARTICLE	IF	CITATIONS
19072	Highly water soluble multi-layer graphene nanoribbons and related honey-comb carbon nanostructures. Chemical Communications, 2012, 48, 5602.	4.1	11
19073	Towards nano-organic chemistry: perspectives for a bottom-up approach to the synthesis of low-dimensional carbon nanostructures. Nanoscale, 2012, 4, 369-379.	5.6	27
19074	Carbon Nanofibers Prepared via Electrospinning. Advanced Materials, 2012, 24, 2547-2566.	21.0	686
19075	Manifestations of electron interactions in photogalvanic effect in chiral nanotubes. Physical Review B, 2012, 85, .	3.2	1
19076	Characteristic Vibrational Modes and Electronic Structures of Carbon Nanotubes Containing Defects. Journal of Physical Chemistry C, 2012, 116, 292-297.	3.1	14
19077	Magnetic carbon nanostructures in medicine. Journal of Materials Chemistry, 2012, 22, 31-37.	6.7	33
19078	The production of onion-like carbon nanoparticles by heating carbon in a liquid alcohol. Journal of Materials Chemistry, 2012, 22, 9794.	6.7	24
19079	Ultrasonication induced adsorption of carbon nanotubes onto electrospun nanofibers with improved thermal and electrical performances. Journal of Materials Chemistry, 2012, 22, 10867.	6.7	40
19080	Orbital magnetic susceptibility of finite-sized graphene. Physical Review B, 2012, 85, .	3.2	18
19081	Zippered release from polymer-gated carbon nanotubes. Journal of Materials Chemistry, 2012, 22, 11503.	6.7	17
19082	A review on nanomaterials for environmental remediation. Energy and Environmental Science, 2012, 5, 8075.	30.8	1,213
19083	Theranostic nanoplatfoms for simultaneous cancer imaging and therapy: current approaches and future perspectives. Nanoscale, 2012, 4, 330-342.	5.6	393
19084	Low-Temperature Preparation of Tailored Carbon Nanostructures in Water. Nano Letters, 2012, 12, 2573-2578.	9.1	34
19085	From layers to nanotubes: Transition metal disulfides TMS ₂ . European Physical Journal B, 2012, 85, 1.	1.5	67
19086	Effects of tip-nanotube interactions on atomic force microscopy imaging of carbon nanotubes. Nano Research, 2012, 5, 235-247.	10.4	15
19087	The effects of Knudsen-dependent flow velocity on vibrations of a nano-pipe conveying fluid. Archive of Applied Mechanics, 2012, 82, 879-890.	2.2	34
19088	Hybrid microtubes of polyoxometalate and fluorescence dye with tunable photoluminescence. Chemical Communications, 2012, 48, 4462.	4.1	15
19089	Architecture of DNA@Multiwalled Carbon Nanotubes@Silver Nanoparticles Composites@Modified Glassy Carbon Electrode for Hydrogen Peroxide Detection. Environmental Engineering Science, 2012, 29, 59-63.	1.6	3

#	ARTICLE	IF	CITATIONS
19090	Growth Mechanism of Single-Walled Carbon Nanotubes on Iron-Copper Catalyst and Chirality Studies by Electron Diffraction. <i>Chemistry of Materials</i> , 2012, 24, 1796-1801.	6.7	63
19091	Investigation of molecular interaction between single-walled carbon nanotubes and conjugated polymers. <i>Polymer Composites</i> , 2012, 33, 548-554.	4.6	10
19092	Carbon-based nanostructured materials and their composites as supercapacitor electrodes. <i>Journal of Materials Chemistry</i> , 2012, 22, 767-784.	6.7	672
19093	Covalently bonded three-dimensional carbon nanotube solids via boron induced nanojunctions. <i>Scientific Reports</i> , 2012, 2, 363.	3.3	329
19094	Study on the electronic structure and hydrogen adsorption by transition metal decorated single wall carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 185505.	1.8	53
19095	The Role of Weak Bonding in Determining the Structure of Thiophene Oligomers inside Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9681-9690.	3.1	26
19096	Energetics and electronic properties of twisted single-walled carbon nanotubes. <i>Physical Review B</i> , 2012, 85, .	3.2	12
19097	Twisting graphene nanoribbons into carbon nanotubes. <i>Physical Review B</i> , 2012, 85, .	3.2	75
19098	A Simple Road for the Transformation of Few-Layer Graphene into MWNTs. <i>Journal of the American Chemical Society</i> , 2012, 134, 13310-13315.	13.7	58
19099	Polymer Self-assembly on Carbon Nanotubes. , 2012, , 1-72.		8
19100	Switching the Stereoselectivity: (Fullero)Pyrrolidines à la Carte. <i>Journal of the American Chemical Society</i> , 2012, 134, 12936-12938.	13.7	65
19101	Inorganic Nanoarchitectonics for Biological Applications. <i>Chemistry of Materials</i> , 2012, 24, 728-737.	6.7	206
19102	High-order harmonic generation in laser plasma: Recent achievements. <i>Laser Physics</i> , 2012, 22, 1177-1188.	1.2	8
19103	Carbon Modifications and Surfaces for Catalytic Organic Transformations. <i>ACS Catalysis</i> , 2012, 2, 1267-1284.	11.2	170
19104	New Application of Chemically Modified Multiwalled Carbon Nanotubes with Thiosemicarbazide as a Sorbent for Separation and Preconcentration of Trace Amounts of Co(II), Cd(II), Cu(II), and Zn(II) in Environmental and Biological Samples Prior to Determination by Flame Atomic Absorption Spectrometry. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 114-121.	1.4	13
19105	A NADH Sensor Based on 1,2-Naphthhoquinone Electropolymerized on Multi-walled Carbon Nanotubes Modified Glassy Carbon Electrode. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 1409-1414.	1.4	10
19106	Fabrication of Chitosan-Multiwall Carbon Nanotube Nanocomposite Containing Ferri/Ferrocyanide: Application for Simultaneous Detection of D-Penicillamine and Tryptophan. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 1461-1467.	1.4	30
19107	Computing Raman and infrared wavenumbers of nanostructures: application to silicon nanowires. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1214-1220.	2.5	2

#	ARTICLE	IF	CITATIONS
19108	Preparation of cyano- functionalized multiwalled carbon nanotubes as solid- phase extraction sorbent for preconcentration of phenolic compounds in environmental water. <i>Journal of Separation Science</i> , 2012, 35, 1967-1976.	2.5	23
19109	Biocompatible Poly(L- lactide)/MWCNT Nanocomposites: Morphological Characterization, Electrical Properties, and Stem Cell Interaction. <i>Macromolecular Bioscience</i> , 2012, 12, 870-881.	4.1	48
19110	Chemical Synthesis of Carbon Materials With Intriguing Nanostructure and Morphology. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1107-1131.	2.2	115
19111	Imidazolium End- Functionalized ATRP Polymers as Directing Agents for CNT Dispersion and Confinement. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1259-1265.	2.2	7
19112	Dispersion of Single- Walled Carbon Nanotubes with Poly(Pyridinium Salt)s Containing Various Rigid Aromatic Moieties. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1378-1384.	2.2	6
19113	Interfacial Polymerization of Polyanthranilic Acid: Morphology Controlled Synthesis. <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 1457-1464.	2.2	13
19114	Electrical, Thermal, and Mechanical Characterization of Poly(propylene)/Carbon Nanotube/Clay Hybrid Composite Materials. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 474-480.	3.6	36
19115	Nanopaper: Thin Films Prepared from Polymeric Nanotubes. <i>Macromolecular Materials and Engineering</i> , 2012, 297, 821-830.	3.6	3
19116	DFT calculations of structures, ¹³ C NMR chemical shifts, and Raman RBM mode of simple models of small- diameter zigzag (4,0) carboxylated single- walled carbon nanotubes. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 142-151.	1.9	14
19117	Polypyrrole/multiwalled carbon nanotubes- based biosensor for cholesterol estimation. <i>Polymers for Advanced Technologies</i> , 2012, 23, 1084-1091.	3.2	34
19118	Electrical properties and electromagnetic interference shielding effectiveness of multiwalled carbon nanotubes- reinforced EMA nanocomposites. <i>Polymer Composites</i> , 2012, 33, 897-903.	4.6	70
19119	Conductive, mechanical, and chemical resistance properties of polyurethane/multiwalled carbon nanotube composite coatings. <i>Polymer Composites</i> , 2012, 33, 711-715.	4.6	7
19120	Using supercritical carbon dioxide in preparing carbon nanotube nanocomposite: Improved dispersion and mechanical properties. <i>Polymer Composites</i> , 2012, 33, 1033-1043.	4.6	18
19121	Double- wall carbon nanotube- reinforced polyester nanocomposites: Improved dispersion and mechanical properties. <i>Polymer Composites</i> , 2012, 33, 866-871.	4.6	8
19122	Structure- property relationship studies in amine functionalized multiwall carbon nanotubes filled polypropylene composite fiber. <i>Polymer Engineering and Science</i> , 2012, 52, 1183-1194.	3.1	38
19123	Effect of dispersion on rheological and mechanical properties of polypropylene/carbon nanotubes nanocomposites. <i>Polymer Engineering and Science</i> , 2012, 52, 1485-1494.	3.1	25
19124	Analysis of the Electrochemical Oxidation of Multiwalled Carbon Nanotube Tower Electrodes in Sodium Hydroxide. <i>Electroanalysis</i> , 2012, 24, 1501-1508.	2.9	15
19125	Short- and long- term toxicities of multi- walled carbon nanotubes <i>in vivo</i> and <i>in vitro</i> . <i>Journal of Applied Toxicology</i> , 2012, 32, 900-912.	2.8	47

#	ARTICLE	IF	CITATIONS
19126	High Selectivity cum Yield Gel Electrophoresis Separation of Single-Walled Carbon Nanotubes Using a Chemically Selective Polymer Dispersant. Journal of Physical Chemistry C, 2012, 116, 10266-10273.	3.1	29
19127	Simulation of the Band Structure of Graphene and Carbon Nanotube. Journal of Physics: Conference Series, 2012, 343, 012076.	0.4	6
19128	Structural and electronic properties of bilayer and trilayer graphdiyne. Nanoscale, 2012, 4, 3990.	5.6	156
19129	Scattering Properties of Carbon Nanotube Arrays. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 110-117.	2.2	5
19130	B1. Nanotechnology in RF and microwave applications: Review article. , 2012, , .		5
19131	Theoretical Study of the Mechanical Behavior of Individual $\text{TiS}_{2\text{₂}$ and $\text{MoS}_{2\text{₂}$ Nanotubes. Journal of Physical Chemistry C, 2012, 116, 11714-11721.	3.1	114
19132	Interaction of two nearby CNTs/nanovoids embedded in a metal matrix using modified nonlocal elasticity. Composites Part B: Engineering, 2012, 43, 3167-3181.	12.0	1
19133	Carbon nanotube synthesis: from large-scale production to atom-by-atom growth. Nanotechnology, 2012, 23, 142001.	2.6	73
19134	Controlled conductive junction gap for chitosanâ€“carbon nanotube quantum resistive vapour sensors. Journal of Materials Chemistry, 2012, 22, 10656.	6.7	50
19135	Towards solution processed all-carbon solar cells: a perspective. Energy and Environmental Science, 2012, 5, 7810.	30.8	87
19136	Layer-stacked tin disulfide nanorods in silica nanoreactors with improved lithium storage capabilities. Nanoscale, 2012, 4, 4002.	5.6	60
19137	Synthesis of Metal Oxide Nanostructures by Direct Solâ€“Gel Chemistry in Supercritical Fluids. Chemical Reviews, 2012, 112, 3057-3082.	47.7	261
19138	Easy Synthesis and Imaging Applications of Cross-Linked Green Fluorescent Hollow Carbon Nanoparticles. ACS Nano, 2012, 6, 400-409.	14.6	467
19139	Î€-Extended TTF: a versatile molecule for organic electronics. Journal of Materials Chemistry, 2012, 22, 4188.	6.7	136
19140	Dual-nanoparticulate-reinforced aluminum matrix composite materials. Nanotechnology, 2012, 23, 225704.	2.6	51
19141	Mn-doped ZnO nanotubes: from facile solution synthesis to room temperature ferromagnetism. CrystEngComm, 2012, 14, 1330-1336.	2.6	27
19142	Adsorption uptake of synthetic organic chemicals by carbon nanotubes and activated carbons. Nanotechnology, 2012, 23, 294008.	2.6	58
19143	Extrusion Printing of Flexible Electrically Conducting Carbon Nanotube Networks. Advanced Functional Materials, 2012, 22, 4790-4800.	14.9	60

#	ARTICLE	IF	CITATIONS
19144	Photocatalytic Composites of Silicone Nanofilaments and TiO ₂ Nanoparticles. Advanced Functional Materials, 2012, 22, 4433-4438.	14.9	36
19145	Oneâ€Dimensional Metalâ€Oxide Nanostructures: Recent Developments in Synthesis, Characterization, and Applications. Advanced Functional Materials, 2012, 22, 3326-3370.	14.9	695
19146	Carbon Nanotubes Induce Bone Calcification by Bidirectional Interaction with Osteoblasts. Advanced Materials, 2012, 24, 2176-2185.	21.0	63
19147	State of the Art of Carbon Nanotube Fibers: Opportunities and Challenges. Advanced Materials, 2012, 24, 1805-1833.	21.0	460
19148	Sliding on a Nanotube: Interplay of Friction, Deformations and Structure. Advanced Materials, 2012, 24, 2879-2884.	21.0	7
19149	Binderâ€Free LiCoO ₂ /Carbon Nanotube Cathodes for Highâ€Performance Lithium Ion Batteries. Advanced Materials, 2012, 24, 2294-2298.	21.0	271
19150	Multiscale Experimental Mechanics of Hierarchical Carbonâ€Based Materials. Advanced Materials, 2012, 24, 2805-2823.	21.0	52
19151	Reâ€Ordering Chaotic Carbon: Origins and Application of Textured Carbon. Advanced Materials, 2012, 24, 4112-4123.	21.0	25
19152	Can Nanotubes Make a Lens Array?. Advanced Materials, 2012, 24, OP170-3.	21.0	28
19153	Direct Synthesis of Anatase TiO ₂ Nanowires with Enhanced Photocatalytic Activity. Advanced Materials, 2012, 24, 2567-2571.	21.0	271
19154	Highly Concentrated 3D Macrostructure of Individual Carbon Nanotubes in a Ceramic Environment. Advanced Materials, 2012, 24, 4322-4326.	21.0	56
19155	Templated Nanocarbons for Energy Storage. Advanced Materials, 2012, 24, 4473-4498.	21.0	672
19156	Synthesis of carbon nanotubes by defluorination of PTFE with silicon. Advances in Polymer Technology, 2012, 31, 246-251.	1.7	0
19157	Comparison of the physical properties of epoxyâ€based composites filled with different types of carbon nanotubes for aeronautic applications. Advances in Polymer Technology, 2012, 31, 205-218.	1.7	39
19158	Carbon Nanotubeâ€Silicon Solar Cells. Advanced Energy Materials, 2012, 2, 1043-1055.	19.5	144
19161	From Nanographene and Graphene Nanoribbons to Graphene Sheets: Chemical Synthesis. Angewandte Chemie - International Edition, 2012, 51, 7640-7654.	13.8	725
19162	Degree of Chemical Functionalization of Carbon Nanotubes Determines Tissue Distribution and Excretion Profile. Angewandte Chemie - International Edition, 2012, 51, 6389-6393.	13.8	109
19163	Direct nanolayer preparation of molecularly imprinted polymers immobilized on multiwalled carbon nanotubes as a surfaceâ€recognition sites and their characterization. Journal of Applied Polymer Science, 2012, 125, 798-803.	2.6	23

#	ARTICLE	IF	CITATIONS
19164	Chitosan/carbon nanotube composite beads: Preparation, characterization, and cost evaluation for mercury removal from wastewater of some industrial cities in Egypt. Journal of Applied Polymer Science, 2012, 125, E93.	2.6	64
19165	Dryâ€jet wetâ€spun PAN/MWCNT composite fibers with homogeneous structure and circular crossâ€section. Journal of Applied Polymer Science, 2012, 125, E58.	2.6	12
19166	The preparation, structures, and properties of poly(vinylidene fluoride)/multiwall carbon nanotubes nanocomposites. Journal of Applied Polymer Science, 2012, 125, E592.	2.6	19
19167	Investigation of free volume and damping property for polycarbonate/multiwalled carbon nanotube composites by positron annihilation technology. Journal of Applied Polymer Science, 2012, 125, 4028-4033.	2.6	10
19168	Sulfonated multiwalled carbon nanotube/sulfonated poly(ether sulfone) composite membrane with low methanol permeability for direct methanol fuel cells. Journal of Applied Polymer Science, 2012, 126, E513.	2.6	11
19169	Fabrication of waterâ€soluble polyaniline/poly(ethylene oxide)/carbon nanotube electrospun fibers. Journal of Applied Polymer Science, 2012, 126, E123.	2.6	31
19170	Thermal conductivity and morphology of silverâ€filled multiwalled carbon nanotubes/polyimide nanocomposite films. Journal of Applied Polymer Science, 2012, 126, E182.	2.6	13
19171	Preparation and properties of polyurethane/multiwalled carbon nanotube nanocomposites by a spray drying process. Journal of Applied Polymer Science, 2012, 126, 789-795.	2.6	8
19172	Effect of annealing treatment on the structure and properties of polyurethane/multiwalled carbon nanotube nanocomposites. Journal of Applied Polymer Science, 2012, 126, 845-852.	2.6	25
19173	Alignment and properties of carbon nanotube buckypaper/liquid crystalline polymer composites. Journal of Applied Polymer Science, 2013, 128, 1360-1368.	2.6	6
19174	Wintersweetâ€Flowerâ€Like CoFe₂O₄/MWCNTs Hybrid Material for Highâ€Capacity Reversible Lithium Storage. Chemistry - an Asian Journal, 2012, 7, 1940-1946.	3.3	50
19175	Oxidative Dehydrogenation of Propane over MoO_x and PO_x Supported on Carbon Nanotube Catalysts. ChemCatChem, 2012, 4, 260-264.	3.7	17
19176	A Triptyceneâ€Based Approach to Solubilising Carbon Nanotubes and C₆₀. Chemistry - A European Journal, 2012, 18, 8716-8723.	3.3	20
19177	Controllable Fabrication of TiO₂ 1Dâ€Nano/Micro Structures: Solid, Hollow, and Tubeâ€inâ€Tube Fibers by Electrospinning and the Photocatalytic Performance. Chemistry - A European Journal, 2012, 18, 10661-10668.	3.3	63
19178	Monoâ€addition Synthesis of Polystyreneâ€Fullerene (C₆₀) Conjugates by Thiolâ€Ene Chemistry. Chemistry - A European Journal, 2012, 18, 10254-10257.	3.3	25
19179	â€Clickâ€on Tubes: a Versatile Approach towards Multimodal Functionalization of SWCNTs. Chemistry - A European Journal, 2012, 18, 8454-8463.	3.3	32
19180	Functionalization of Diameterâ€Sorted Semiconductive SWCNTs with Photosensitizing Porphyrins: Syntheses and Photoinduced Electron Transfer. Chemistry - A European Journal, 2012, 18, 11388-11398.	3.3	24
19181	Hierarchical Structures of Carbon Nanotubes and Arrays of Chromiumâ€Capped Silicon Nanopillars: Formation and Electrical Properties. Chemistry - A European Journal, 2012, 18, 11614-11620.	3.3	2

#	ARTICLE	IF	CITATIONS
19182	Optimisation of reaction conditions for the synthesis of single-walled carbon nanotubes using response surface methodology. Canadian Journal of Chemical Engineering, 2012, 90, 489-505.	1.7	18
19183	Functionalized single-walled carbon nanotubes containing traces of iron as new negative MRI contrast agents for <i>in vivo</i> imaging. Contrast Media and Molecular Imaging, 2012, 7, 153-159.	0.8	35
19184	Structural Characteristics of Graphene-Type C and BN Nanostructures by Periodic Local MP2 Approach. ChemPhysChem, 2012, 13, 2361-2367.	2.1	9
19185	From Molecular Gallium and Indium Siloxide Precursors to Amorphous Semiconducting Transparent Oxide Layers for Applications in Thin-Film Field-Effect Transistors. ChemPlusChem, 2012, 77, 663-674.	2.8	18
19186	Magnetic and binding properties of Co-doped single-walled carbon nanotubes: a first principles study. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	4
19187	Endohedral and exohedral hybrids involving fullerenes and carbon nanotubes. Nanoscale, 2012, 4, 4370.	5.6	44
19188	Enantioselective synthesis of a chiral nitrogen-doped buckyball. Nature Communications, 2012, 3, 891.	12.8	166
19189	Co-adsorption of CO molecules at the open ends of MgO nanotubes. Structural Chemistry, 2012, 23, 1981-1986.	2.0	19
19190	Adsorption properties and quantum molecular descriptors of OCN ⁻ adsorbed on (6,0), (7,0), and (8,0) zigzag single-walled boron nitride nanotubes: a computational study. Monatshefte für Chemie, 2012, 143, 989-995.	1.8	9
19191	Fundamental Structural, Electronic, and Chemical Properties of Carbon Nanostructures: Graphene, Fullerenes, Carbon Nanotubes, and Their Derivatives. , 2012, , 793-867.		17
19192	Modeling of Quasi-One-Dimensional Carbon Nanostructures with Density Functional Theory. , 2012, , 901-938.		2
19193	Time-dependent quantum dynamical simulations of C ₂ condensation under extreme conditions. Physical Chemistry Chemical Physics, 2012, 14, 6273-6279.	2.8	14
19194	Assembly of one dimensional inorganic nanostructures into functional 2D and 3D architectures. Synthesis, arrangement and functionality. Chemical Society Reviews, 2012, 41, 5285.	38.1	237
19195	First-principles calculations of BC ₄ N nanostructures: stability and electronic structure. Applied Physics A: Materials Science and Processing, 2012, 108, 185-193.	2.3	9
19196	Rheological investigation of shear-enhanced crystallization for polylactide composites with different aspect ratio carbon nanotubes. Journal of Polymer Engineering, 2012, 32, .	1.4	1
19197	Toward controlled synthesis of carbon nanotubes and graphenes. Pure and Applied Chemistry, 2012, 84, 907-916.	1.9	72
19198	Study on the interfacial structures of Tin oxide/multiwalled carbon nanotube heterojunctions. RSC Advances, 2012, 2, 1942.	3.6	6
19199	Nanomaterials-based sensors for applications in environmental monitoring. Journal of Materials Chemistry, 2012, 22, 18101.	6.7	209

#	ARTICLE	IF	CITATIONS
19200	Fabrication of a fast, simple and sensitive voltammetric sensor for the simultaneous determination of 4-aminohippuric acid and uric acid using a functionalized multi-walled carbon nanotube modified glassy carbon electrode. <i>Analytical Methods</i> , 2012, 4, 1825.	2.7	15
19201	The new age of carbon nanotubes: An updated review of functionalized carbon nanotubes in electrochemical sensors. <i>Nanoscale</i> , 2012, 4, 1948.	5.6	359
19202	Better Nutrients and Therapeutics Delivery in Food Through Nanotechnology. <i>Food Engineering Reviews</i> , 2012, 4, 114-123.	5.9	56
19203	One-Dimensional Metal Oxide Nanotubes, Nanowires, Nanoribbons, and Nanorods: Synthesis, Characterizations, Properties and Applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2012, 37, 1-74.	12.3	170
19204	Modelling of the reactivity and stability of carbon nanotubes under environmentally relevant conditions. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10080.	2.8	15
19205	Terahertz Dynamics of Quantum-Confined Electrons in Carbon Nanomaterials. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2012, 33, 846-860.	2.2	22
19206	Ferroelectric carbon nanotube memory devices. <i>Nanotechnology</i> , 2012, 23, 165702.	2.6	19
19207	Electric Field Effects on Armchair MoS ₂ Nanoribbons. <i>ACS Nano</i> , 2012, 6, 4823-4834.	14.6	187
19208	Transforming collagen wastes into doped nanocarbons for sustainable energy applications. <i>Green Chemistry</i> , 2012, 14, 1689.	9.0	65
19209	Carbon Nanotubes Applications: Solar and Fuel Cells, Hydrogen Storage, Lithium Batteries, Supercapacitors, Nanocomposites, Gas, Pathogens, Dyes, Heavy Metals and Pesticides. <i>Environmental Chemistry for A Sustainable World</i> , 2012, , 3-46.	0.5	13
19210	Carbon Nanotubes as Electrical Interfaces to Neurons. <i>Fundamental Biomedical Technologies</i> , 2012, , 187-207.	0.2	3
19211	Direct-write maskless lithography of LBL nanocomposite films and its prospects for MEMS technologies. <i>Nanoscale</i> , 2012, 4, 4393.	5.6	32
19212	First-principles prediction of charge mobility in carbon and organic nanomaterials. <i>Nanoscale</i> , 2012, 4, 4348.	5.6	551
19213	Poly(lactide)/graphite nanosheets/MWCNTs nanocomposites with enhanced mechanical, thermal and electrical properties. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 109-120.	2.4	44
19214	In vitro degradation of poly(l-lactide)/poly(μ -caprolactone) blend reinforced with MWCNTs. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 165-174.	2.4	6
19215	AlN nanowires: synthesis, physical properties, and nanoelectronics applications. <i>Journal of Materials Science</i> , 2012, 47, 5341-5360.	3.7	57
19216	Polyamide 6 composites reinforced with glass fibers modified with electrostatically assembled multiwall carbon nanotubes. <i>Journal of Materials Science</i> , 2012, 47, 5446-5454.	3.7	19
19217	Structure and properties of multi-walled carbon nanotube porous sheets with enhanced elongation. <i>Journal of Materials Science</i> , 2012, 47, 6131-6140.	3.7	16

#	ARTICLE	IF	CITATIONS
19218	Production of empty and iron-filled multiwalled carbon nanotubes from iron-phthalocyanine polymer and their electromagnetic properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 921-927.	2.2	3
19219	Creep mitigation in Sn-Ag-Cu composite solder with Ni-coated carbon nanotubes. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1108-1115.	2.2	31
19220	DFT Study of Endohedral Atoms Effect on Electrophilicity of B ₁₆ N ₁₆ Boron Nitride Nanocage: Comparative Analyses. <i>Journal of Cluster Science</i> , 2012, 23, 297-310.	3.3	7
19221	Uranyl sensor based on a N,N-bis(salicylidene)-2-hydroxy-phenylmethanediamine and multiwall carbon nanotube electrode. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 293, 201-210.	1.5	14
19222	A comprehensive assessment on degradation of multi-walled carbon nanotube-reinforced EMA nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012, 108, 1223-1234.	3.6	8
19223	Analysis of the vibrational behavior of the composite cylinders reinforced with non-uniform distributed carbon nanotubes using micro-mechanical approach. <i>Meccanica</i> , 2012, 47, 817-833.	2.0	11
19224	A study on hydrogen adsorption behaviors of open-tip carbon nanocones. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	19
19225	Modification of multiwall carbon nanotubes with ruthenium(II) terpyridine complex. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	5
19226	Engineering solvothermal reactions to produce multi-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	4
19227	Electric field-induced metallic transition of (3,3) carbon nanotube supported on patterned hydrogen-terminated Si(001):1×1 surface. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	0
19228	Multiple magnetic characteristics in pure and Mn porphyrin-doped single-walled carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	6
19229	Magnetic carbon nanotubes: synthesis by a simple solvothermal process and application in magnetic targeted drug delivery system. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	64
19230	A theoretical study of CO adsorption on aluminum nitride nanotubes. <i>Structural Chemistry</i> , 2012, 23, 653-657.	2.0	77
19231	Optimization of ethylenediamine-grafted multiwalled carbon nanotubes for solid-phase extraction of lead cations. <i>Environmental Science and Pollution Research</i> , 2012, 19, 1237-1244.	5.3	19
19232	Electrical conductivities of carbon nanotube-filled polycarbonate/polyester blends. <i>Science China Chemistry</i> , 2012, 55, 808-813.	8.2	7
19233	Dynamical properties of nanotubes with nonlocal continuum theory: A review. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 1210-1224.	5.1	16
19234	Preparation and electrochemical property of CMC/MWCNT composite using ionic liquid as solvent. <i>Science Bulletin</i> , 2012, 57, 1620-1625.	1.7	10
19235	Synthesis of CNT film on the surface of micro-pyramid array and its intense pulsed emission characteristics. <i>Science Bulletin</i> , 2012, 57, 1739-1742.	1.7	5

#	ARTICLE	IF	CITATIONS
19236	Electronic transport properties of capped-carbon-nanotube-based molecular junctions with multiple N and B dopants. <i>Science Bulletin</i> , 2012, 57, 2073-2077.	1.7	2
19237	First principles study on magnetic and electronic properties with rare-earth atoms doped SWCNTs. <i>Frontiers of Physics</i> , 2012, 7, 353-359.	5.0	7
19238	Electrocatalytic determination of sulfite using a modified carbon nanotubes paste electrode: application for determination of sulfite in real samples. <i>Ionics</i> , 2012, 18, 687-694.	2.4	79
19239	New voltammetric strategy for simultaneous determination of norepinephrine, acetaminophen, and folic acid using a 5-amino-3,4-dimethoxy-biphenyl-2-ol/carbon nanotube paste electrode. <i>Ionics</i> , 2012, 18, 703-710.	2.4	31
19240	Strengthening mechanisms in carbon nanotube reinforced bioglass composites. <i>Frontiers of Chemical Science and Engineering</i> , 2012, 6, 126-131.	4.4	14
19241	Adsorption of toluene, ethylbenzene and xylene isomers on multi-walled carbon nanotubes oxidized by different concentration of NaOCl. <i>Frontiers of Environmental Science and Engineering</i> , 2012, 6, 320-329.	6.0	28
19242	Research of organic field effect transistors based on semiconducting single-walled carbon nanotubes. <i>Optoelectronics Letters</i> , 2012, 8, 260-263.	0.8	0
19243	Application of aromatization catalyst in synthesis of carbon nanotubes. <i>Bulletin of Materials Science</i> , 2012, 35, 33-40.	1.7	1
19244	Nonlinear vibration and rippling instability for embedded carbon nanotubes. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 985-992.	1.5	17
19245	Natural frequencies and buckling of pressurized nanotubes using shear deformable nonlocal shell model. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 563-573.	1.5	9
19246	Frequency shift of a nanomechanical sensor carrying a nanoparticle using nonlocal Timoshenko beam theory. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 1577-1583.	1.5	15
19247	Performance of PTT fabric treated with CNTs/SiO ₂ /thiazole dye hybrid materials. <i>Fibers and Polymers</i> , 2012, 13, 481-488.	2.1	2
19248	Pressure effect on the threshold frequency of absorption in a quantum pseudodot. <i>Indian Journal of Physics</i> , 2012, 86, 653-657.	1.8	12
19249	Carbon monoxide adsorption on transition element-doped single wall carbon nanotube. <i>Indian Journal of Physics</i> , 2012, 86, 677-680.	1.8	10
19250	Improving selectivity in gas chromatography by using chemically modified multi-walled carbon nanotubes as stationary phase. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1157-1165.	3.7	68
19251	Enhanced mechanical and photoluminescence effect of poly(l-lactide) reinforced with functionalized multiwalled carbon nanotubes. <i>Polymer Bulletin</i> , 2012, 68, 1747-1763.	3.3	17
19252	Chemical bonding assisted damage production in single-walled carbon nanotubes induced by low-energy ions. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 108, 313-320.	2.3	7
19253	Electrochemical sensor for Baicalein using a carbon paste electrode doped with carbon nanotubes. <i>Mikrochimica Acta</i> , 2012, 178, 179-186.	5.0	25

#	ARTICLE	IF	CITATIONS
19254	Ge-doped (4,4) armchair single-walled boron phosphide nanotube as a semiconductor: a computational study. Monatshefte für Chemie, 2012, 143, 881-889.	1.8	7
19255	Computational studies on aluminum nitride and aluminum phosphide nanotubes: density functional calculations of 27Al electric field gradient tensors. Monatshefte für Chemie, 2012, 143, 545-549.	1.8	8
19256	Quantum molecular descriptors and adsorption properties of SCN ⁻ on (6,0), (7,0), (8,0), and Ga-doped (6,0) zigzag single-walled boron nitride nanotubes: a computational study. Monatshefte für Chemie, 2012, 143, 1115-1121.	1.8	5
19257	Analytical solutions for coupled tension-bending of nanobeam-columns considering nonlocal size effects. Acta Mechanica, 2012, 223, 789-809.	2.1	14
19258	OH-functionalized open-ended armchair single-wall carbon nanotubes (SWCNT) studied by density functional theory. Journal of Molecular Modeling, 2012, 18, 1463-1472.	1.8	31
19259	Probing the linear and nonlinear optical properties of nitrogen-substituted carbon nanotube. Journal of Molecular Modeling, 2012, 18, 3219-3225.	1.8	15
19260	A new amperometric H ₂ O ₂ biosensor based on nanocomposite films of chitosan-MWNTs, hemoglobin, and silver nanoparticles. Journal of Solid State Electrochemistry, 2012, 16, 1133-1140.	2.5	32
19261	Preparation and characterization of silicon monoxide/graphite/carbon nanotubes composite as anode for lithium-ion batteries. Journal of Solid State Electrochemistry, 2012, 16, 1453-1460.	2.5	51
19262	Sensitive voltammetric sensor of dihydromyricetin based on Nafion/SWNT-modified glassy carbon electrode. Journal of Solid State Electrochemistry, 2012, 16, 1473-1480.	2.5	11
19263	The synthesis of nitrogen-doped carbon nanotubes/gold composites and their application to the detection of thioridazine. Journal of Solid State Electrochemistry, 2012, 16, 2691-2698.	2.5	19
19264	Synthesis of polyfluorenes bearing lateral pyreneterminated alkyl chains for dispersion of single-walled carbon nanotubes. Chinese Journal of Polymer Science (English Edition), 2012, 30, 405-414.	3.8	8
19265	Poly(3,4-ethylenedioxythiophene methanol)/ascorbate oxidase/nafion-single-walled carbon nanotubes biosensor for voltammetric detection of Vitamin C. Chinese Journal of Polymer Science (English) 10.78431.4 rgBT / Overlock 10	3.8	14
19266	Vibrational analysis of curved single-walled carbon nanotube on a Pasternak elastic foundation. Advances in Engineering Software, 2012, 48, 1-5.	3.8	34
19267	Optical limiting characteristics of Dichloridobis(1-ethyl-2, 6-dimethylpyridinium-4-olate-1 ^o O) zinc (II). Current Applied Physics, 2012, 12, 401-404.	2.4	6
19268	Vibrations of single- and double-walled carbon nanotubes with layerwise boundary conditions: A molecular dynamics study. Current Applied Physics, 2012, 12, 707-711.	2.4	70
19269	A simple oxidation-reduction process for the activation of a stainless steel surface to synthesize multi-walled carbon nanotubes and its application to phenol degradation in water. Carbon, 2012, 50, 115-122.	10.3	42
19270	Changes in a glassy carbon surface by the cathodic generation of free alkyl radicals mediated by a silver-palladium catalyst. Carbon, 2012, 50, 73-83.	10.3	16
19271	Field emission properties of as-grown multiwalled carbon nanotube films. Carbon, 2012, 50, 163-169.	10.3	47

#	ARTICLE	IF	CITATIONS
19272	Polyvinyl alcohol associated with carbon nanotube scaffolds for osteogenic differentiation of rat bone mesenchymal stem cells. Carbon, 2012, 50, 450-459.	10.3	25
19273	Controllable and large-scale synthesis of metal-free carbon nanofibers and carbon nanocoils over water-soluble Na ₂ S ₂ O ₄ catalysts. Carbon, 2012, 50, 646-658.	10.3	22
19274	Hard and tough carbon nanotube-reinforced zirconia-toughened alumina composites prepared by spark plasma sintering. Carbon, 2012, 50, 706-717.	10.3	63
19275	Synthesis, morphology and physical properties of multi-walled carbon nanotube/biphenyl liquid crystalline epoxy composites. Carbon, 2012, 50, 896-905.	10.3	56
19276	Influence of wall number and surface functionalization of carbon nanotubes on their antioxidant behavior in high density polyethylene. Carbon, 2012, 50, 1005-1013.	10.3	107
19277	Thermal transport across carbon nanotubes connected by molecular linkers. Carbon, 2012, 50, 1063-1070.	10.3	35
19278	Similarities and differences in O ₂ chemisorption on graphene nanoribbon vs. carbon nanotube. Carbon, 2012, 50, 1152-1162.	10.3	50
19279	Nucleobase-pairing triggers the self-assembly of uracil-ferrocene on adenine functionalized multi-walled carbon nanotubes. Carbon, 2012, 50, 3170-3177.	10.3	22
19280	The hierarchical structure and properties of multifunctional carbon nanotube fibre composites. Carbon, 2012, 50, 1227-1234.	10.3	68
19281	Low temperature growth mechanisms of vertically aligned carbon nanofibers and nanotubes by radio frequency-plasma enhanced chemical vapor deposition. Carbon, 2012, 50, 1235-1242.	10.3	33
19282	Free-standing single-walled carbon nanotube/SnO ₂ anode paper for flexible lithium-ion batteries. Carbon, 2012, 50, 1289-1297.	10.3	179
19283	Hollow structures with bilayer graphene walls. Carbon, 2012, 50, 3195-3199.	10.3	18
19285	Long-term stability of a horizontally-aligned carbon nanotube field emission cathode coated with a metallic glass thin film. Carbon, 2012, 50, 1619-1624.	10.3	16
19286	New insights into the functionalization of multi-walled carbon nanotubes with aniline derivatives. Carbon, 2012, 50, 3280-3294.	10.3	99
19287	Correlation between number of walls and diameter in multiwall carbon nanotubes grown by chemical vapor deposition. Carbon, 2012, 50, 1748-1752.	10.3	60
19288	Superior performance of non-activated multi-walled carbon nanotube polymer actuator containing ruthenium oxide over a single-walled carbon nanotube. Carbon, 2012, 50, 1888-1896.	10.3	25
19289	The effect of the addition of carbon nanotube fluids to a polymeric matrix to produce simultaneous reinforcement and plasticization. Carbon, 2012, 50, 2056-2060.	10.3	26
19290	In vivo evaluation of hydrogels of polyvinyl alcohol with and without carbon nanoparticles for osteochondral repair. Carbon, 2012, 50, 2091-2099.	10.3	16

#	ARTICLE	IF	CITATIONS
19291	Controlling the growth of single-walled carbon nanotubes on surfaces using metal and non-metal catalysts. Carbon, 2012, 50, 2067-2082.	10.3	77
19292	Mechanical reinforcement of a high-performance aluminium alloy AA5083 with homogeneously dispersed multi-walled carbon nanotubes. Carbon, 2012, 50, 2264-2272.	10.3	110
19293	A review of strategies for improving the degradation properties of laminated continuous-fiber/epoxy composites with carbon-based nanoreinforcements. Carbon, 2012, 50, 2377-2395.	10.3	203
19294	Tensile loading behavior of carbon nanotube wires. Carbon, 2012, 50, 2530-2538.	10.3	27
19295	Preparation of a carbon nanotube-copper nanoparticle hybrid by chemical reduction for use in the electrochemical sensing of carbohydrates. Carbon, 2012, 50, 2563-2570.	10.3	45
19296	Synthesis and field emission properties of vertically aligned carbon nanotube arrays on copper. Carbon, 2012, 50, 2641-2650.	10.3	109
19297	Synthesis of vertically-aligned carbon nanotubes without a catalyst by hydrogen arc discharge. Carbon, 2012, 50, 2726-2730.	10.3	34
19298	Evidence for atomically dispersed Pd in catalysts supported on carbon nanofibers. Carbon, 2012, 50, 2782-2787.	10.3	34
19299	Coal as a carbon source for carbon nanotube synthesis. Carbon, 2012, 50, 2679-2690.	10.3	90
19300	Investment casting of carbon tubular structures. Carbon, 2012, 50, 2845-2852.	10.3	13
19301	Electron microscope study of the formation of graphitic nanostructures in nickel-loaded wood char. Carbon, 2012, 50, 3486-3496.	10.3	31
19302	Synthesis of hollow carbon nano-onions and their use for electrochemical hydrogen storage. Carbon, 2012, 50, 3513-3521.	10.3	94
19303	The role of the hydrocarbon source on the growth of carbon materials. Carbon, 2012, 50, 3376-3398.	10.3	79
19304	Tailoring the chemo-resistive response of self-assembled polysaccharide-CNT sensors by chain conformation at tunnel junctions. Carbon, 2012, 50, 3627-3634.	10.3	38
19305	Preparation of transparent and conducting carbon nanotube/N-hydroxymethyl acrylamide composite thin films by in situ polymerization. Carbon, 2012, 50, 4269-4276.	10.3	12
19306	Electrochemistry of double-wall carbon nanotubes encapsulating C60 and their spectral characterization. Carbon, 2012, 50, 4401-4408.	10.3	9
19307	Carbon nanomaterials—ionic liquid hybrids. Carbon, 2012, 50, 4303-4334.	10.3	214
19308	Detection of carbon nanotubes in biological samples through microwave-induced heating. Carbon, 2012, 50, 4441-4449.	10.3	71

#	ARTICLE	IF	CITATIONS
19309	Growth and surface engineering of vertically-aligned low-wall-number carbon nanotubes. Carbon, 2012, 50, 4750-4754.	10.3	14
19310	Chemical-free synthesis of graphene-carbon nanotube hybrid materials for reversible lithium storage in lithium-ion batteries. Carbon, 2012, 50, 4557-4565.	10.3	106
19311	Catalytic metal-free formation of multi-walled carbon nanotubes in atmospheric arc discharge. Carbon, 2012, 50, 4588-4595.	10.3	40
19312	Does carbon nanopowder threaten amphibian development?. Carbon, 2012, 50, 4607-4618.	10.3	20
19313	Carbon nanotube/carbon nanofiber growth from industrial by-product gases on low- and high-alloy steels. Carbon, 2012, 50, 4722-4731.	10.3	25
19314	Hydrogenation of nitrocyclohexane to cyclohexanone oxime over Pd/CNT catalyst under mild conditions. Catalysis Communications, 2012, 19, 80-84.	3.3	38
19315	In-situ fabrication of CNT/TiO ₂ interpenetrating network film on nickel substrate by chemical vapour deposition and application in photoassisted water electrolysis. Catalysis Communications, 2012, 21, 27-31.	3.3	19
19316	Water assisted synthesis of double-walled carbon nanotubes with a narrow diameter distribution from methane over a Co-Mo/MgO catalyst. Catalysis Today, 2012, 183, 26-33.	4.4	23
19317	Synthesis and characterisation of coiled carbon nanotubes. Catalysis Today, 2012, 181, 33-39.	4.4	19
19318	Hydrogenation and dehydrogenation reactions catalyzed by CNTs supported palladium catalysts. Catalysis Today, 2012, 186, 109-114.	4.4	37
19319	Growth of carbon nanotubes on low-cost bamboo charcoal for Pb(II) removal from aqueous solution. Chemical Engineering Journal, 2012, 184, 193-197.	12.7	27
19320	Synthesis of Au in Ga ₂ O ₃ peapodded nanorods and their photoluminescence properties. Chemical Engineering Journal, 2012, 191, 457-462.	12.7	6
19321	Large scale preparing carbon nanotube/zinc oxide hybrid and its application for highly reusable photocatalyst. Chemical Engineering Journal, 2012, 191, 571-578.	12.7	127
19322	Enhanced chemical interaction between TiO ₂ and graphene oxide for photocatalytic decolorization of methylene blue. Chemical Engineering Journal, 2012, 193-194, 203-210.	12.7	197
19323	One-pot hydrothermal synthesis of MoS ₂ nanosheets/C hybrid microspheres. Ceramics International, 2012, 38, 229-234.	4.8	23
19324	Mechanical properties and electrical conductivity in a carbon nanotube reinforced silicon nitride composite. Ceramics International, 2012, 38, 527-533.	4.8	41
19325	OH and COOH functionalized single walled carbon nanotubes-reinforced alumina ceramic nanocomposites. Ceramics International, 2012, 38, 1287-1293.	4.8	17
19326	Template-free synthesis of neodymium hydroxide nanorods by microwave-assisted hydrothermal process, and of neodymium oxide nanorods by thermal decomposition. Ceramics International, 2012, 38, 4075-4079.	4.8	19

#	ARTICLE	IF	CITATIONS
19327	Microstructural evolution of multi-walled carbon nanotubes in the presence of mixture of silicon and silica powders at high temperatures. <i>Ceramics International</i> , 2012, 38, 4105-4110.	4.8	9
19328	First principles studies of the electronic properties and catalytic activity of single-walled carbon nanotube doped with Pt clusters and chains. <i>Chemical Physics</i> , 2012, 393, 96-106.	1.9	13
19329	Silicene-like beryllium encapsulated nanowires. <i>Chemical Physics</i> , 2012, 397, 42-47.	1.9	2
19330	Multi-walled carbon nanotubes as alternative reversed-dispersive solid phase extraction materials in pesticide multi-residue analysis with QuEChERS method. <i>Journal of Chromatography A</i> , 2012, 1225, 17-25.	3.7	181
19331	Nonlocal finite element analysis and small scale effects of CNTs with Timoshenko beam theory. <i>Finite Elements in Analysis and Design</i> , 2012, 50, 8-20.	3.2	77
19332	Confining effect of carbon-nanotube configuration on phase behavior of hard-sphere fluid. <i>Fluid Phase Equilibria</i> , 2012, 318, 19-24.	2.5	2
19333	Experimental study on the heat transfer enhancement of MWNT-water nanofluid in a shell and tube heat exchanger. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 108-111.	5.6	128
19334	Limiting shear creep of epoxy adhesive at the FRP-concrete interface using multi-walled carbon nanotubes. <i>International Journal of Adhesion and Adhesives</i> , 2012, 33, 36-44.	2.9	25
19335	A nonlocal beam theory for bending, buckling, and vibration of nanobeams. <i>International Journal of Engineering Science</i> , 2012, 52, 56-64.	5.0	444
19336	Longitudinal wave propagation in nanorods using a general nonlocal unimodal rod theory and calibration of nonlocal parameter with lattice dynamics. <i>International Journal of Engineering Science</i> , 2012, 56, 17-28.	5.0	96
19337	Experimentally measured thermal transport properties of aluminum/polytetrafluoroethylene nanocomposites with graphene and carbon nanotube additives. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 817-824.	4.8	57
19338	Effect of electric field variation in alignment of SWNT/PC nanocomposites. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 3945-3948.	7.1	17
19339	Microstructure effect of carbon nanofibers on Pt/CNFs electrocatalyst for oxygen reduction. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4639-4647.	7.1	24
19340	A comparative study of arc discharge and chemical vapor deposition synthesized carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 3833-3838.	7.1	11
19341	Effects of different palladium content loading on the hydrogen storage capacity of double-walled carbon nanotubes. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 5686-5690.	7.1	22
19342	Influence of graded agglomerated CNTs on vibration of CNT-reinforced annular sectorial plates resting on Pasternak foundation. <i>Applied Mathematics and Computation</i> , 2012, 218, 8715-8735.	2.2	79
19343	A novel CeO ₂ supported on carbon nanotubes coated with SiO ₂ catalyst for catalytic cracking of naphtha. <i>Applied Catalysis A: General</i> , 2012, 417-418, 53-58.	4.3	27
19344	Core-shell nanostructure electrodes for improved electrocatalytic properties in methanol electrooxidation. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 200-207.	20.2	6

#	ARTICLE	IF	CITATIONS
19345	Rigorous van der Waals effect on vibration characteristics of multi-walled carbon nanotubes under a transverse magnetic field. <i>Applied Mathematical Modelling</i> , 2012, 36, 648-656.	4.2	43
19346	Thermalâ€mechanical vibration and instability of a fluid-conveying single-walled carbon nanotube embedded in an elastic medium based on nonlocal elasticity theory. <i>Applied Mathematical Modelling</i> , 2012, 36, 1964-1973.	4.2	62
19347	Wave propagation in single-walled carbon nanotube under longitudinal magnetic field using nonlocal Eulerâ€Bernoulli beam theory. <i>Applied Mathematical Modelling</i> , 2012, 36, 4529-4538.	4.2	147
19348	Carbon nanotubes, science and technology part (I) structure, synthesis and characterisation. <i>Arabian Journal of Chemistry</i> , 2012, 5, 1-23.	4.9	450
19349	Analysis of single-walled carbon nanotubes using the moving Kriging interpolation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2012, 229-232, 56-67.	6.6	28
19350	Small scale effect on vibrational response of single-walled carbon nanotubes with different boundary conditions based on nonlocal beam models. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 1965-1979.	3.3	142
19351	Facile and green method for polystyrene grafted multi-walled carbon nanotubes and their electroresponse. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 396, 177-181.	4.7	26
19352	Fluorescence behavior of non-functionalized carbon nanoparticles and their in vitro applications in imaging and cytotoxic analysis of cancer cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 91, 34-40.	5.0	29
19353	Voltammetric behavior of theophylline and its determination at multi-wall carbon nanotube paste electrode. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 97, 1-6.	5.0	88
19354	A novel and simple approach for synthesis of palladium nanoparticles on carbon nanotubes for sensitive hydrogen peroxide detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 97, 145-149.	5.0	28
19355	Eshelbyâ€Moriâ€Tanaka approach for vibrational behavior of continuously graded carbon nanotube-reinforced cylindrical panels. <i>Composites Part B: Engineering</i> , 2012, 43, 1943-1954.	12.0	205
19356	Mechanical properties and oil content of CNT reinforced porous CuSn oil bearings. <i>Composites Part B: Engineering</i> , 2012, 43, 1681-1686.	12.0	19
19357	Effect of carbon nanotube orientation on the mechanical properties of nanocomposites. <i>Composites Part B: Engineering</i> , 2012, 43, 2063-2071.	12.0	67
19358	Modeling the effect of statistical variations in length and diameter of randomly oriented CNTs on the properties of CNT reinforced nanocomposites. <i>Composites Part B: Engineering</i> , 2012, 43, 1756-1762.	12.0	35
19359	Mechanical property evaluation of single-walled carbon nanotubes by finite element modeling. <i>Composites Part B: Engineering</i> , 2012, 43, 1902-1913.	12.0	126
19360	Toughening and reinforcement of poly(vinylidene fluoride) nanocomposites with â€bud-branchedâ€ nanotubes. <i>Composites Science and Technology</i> , 2012, 72, 263-268.	7.8	17
19361	Carbon nanotube (CNT)-based composites as electrode material for rechargeable Li-ion batteries: A review. <i>Composites Science and Technology</i> , 2012, 72, 121-144.	7.8	432
19362	Improving post irradiation stability of high density polyethylene by multi walled carbon nanotubes. <i>Composites Science and Technology</i> , 2012, 72, 390-396.	7.8	57

#	ARTICLE	IF	CITATIONS
19363	Evolution of dispersion of carbon nanotubes in Polyamide 11 matrix composites as determined by DC conductivity. Composites Science and Technology, 2012, 72, 515-520.	7.8	18
19364	Atomistic simulations of shearing friction and dynamic adhesion of double-walled carbon nanotubes on Au substrates. Composites Science and Technology, 2012, 72, 599-607.	7.8	17
19365	Are finite elements appropriate for use in molecular dynamic simulations?. Composites Science and Technology, 2012, 72, 989-1000.	7.8	30
19366	Compressive behavior of MWCNT/epoxy composite mats. Composites Science and Technology, 2012, 72, 1027-1033.	7.8	40
19367	Buckling of orthotropic micro/nanoscale plates under linearly varying in-plane load via nonlocal continuum mechanics. Composite Structures, 2012, 94, 1605-1615.	5.8	122
19368	Study and prediction of the mechanical performance of a nanotube-reinforced composite. Composite Structures, 2012, 94, 2920-2930.	5.8	26
19369	On the aspect ratio effect of multi-walled carbon nanotube reinforcements on the mechanical properties of cementitious nanocomposites. Construction and Building Materials, 2012, 35, 647-655.	7.2	294
19370	Monte Carlo simulation of carbon nanotube nucleation and growth using nonlinear dynamic predictions. Chemical Physics Letters, 2012, 530, 81-85.	2.6	12
19371	Decomposition mechanisms and dynamics of N6: Bond orders and partial charges along classical trajectories. Chemical Physics Letters, 2012, 531, 46-51.	2.6	25
19372	EtOH induced formation of nanographite fractions and their reorganization on nanostructured CeO ₂ films. Chemical Physics Letters, 2012, 531, 183-187.	2.6	3
19373	A density functional theory study on the most stable ultra long B-N co-doped (5,5) single walled carbon nanotubes. Chemical Physics Letters, 2012, 532, 90-95.	2.6	2
19374	Mass-production of highly-crystalline few-layer graphene sheets by arc discharge in various H ₂ -inert gas mixtures. Chemical Physics Letters, 2012, 538, 72-76.	2.6	104
19375	N-SWCNTs production by aerosol-assisted CVD method. Chemical Physics Letters, 2012, 538, 108-111.	2.6	16
19376	Interaction between graphene and nickel(111) surfaces with commensurate and incommensurate orientational relationships. Chemical Physics Letters, 2012, 538, 112-117.	2.6	20
19377	Low-velocity impact of thin woven carbon fabric composites incorporating multi-walled carbon nanotubes. International Journal of Impact Engineering, 2012, 47, 39-47.	5.0	118
19378	Semiconductor type single wall carbon nanotube absorber for passive mode-locked Nd:YVO ₄ laser. Optik, 2012, 123, 1279-1281.	2.9	4
19379	Saturable absorber at 940 nm using single wall carbon nanotubes deposited by vertical evaporation technique. Optik, 2012, 123, 348-351.	2.9	2
19380	Non-classical stiffness strengthening size effects for free vibration of a nonlocal nanostructure. International Journal of Mechanical Sciences, 2012, 54, 57-68.	6.7	60

#	ARTICLE	IF	CITATIONS
19381	Classical and refined shell models for the analysis of nano-reinforced structures. International Journal of Mechanical Sciences, 2012, 55, 104-117.	6.7	17
19382	Thermal buckling of nanorod based on non-local elasticity theory. International Journal of Non-Linear Mechanics, 2012, 47, 496-505.	2.6	35
19383	A review on application of carbonaceous materials and carbon matrix composites for heat exchangers and heat sinks. International Journal of Refrigeration, 2012, 35, 7-26.	3.4	83
19384	Controllable synthesis and tunable field-emission properties of tungsten oxide sub-micro fibers. International Journal of Refractory Metals and Hard Materials, 2012, 34, 47-52.	3.8	9
19385	Determination of the interfacial properties of carbon nanotube reinforced polymer composites using atomistic-based continuum model. International Journal of Solids and Structures, 2012, 49, 1852-1863.	2.7	97
19386	Influence of the support and the preparation methods on the performance in citral hydrogenation of Pt-based catalysts supported on carbon nanotubes. Journal of Catalysis, 2012, 290, 37-54.	6.2	42
19387	Packing effects on argon and methanol adsorption inside graphitic cylindrical and slit pores: A GCMC simulation study. Journal of Colloid and Interface Science, 2012, 368, 474-487.	9.4	13
19388	Controlling the density and site of attachment of gold nanoparticles onto the surface of carbon nanotubes. Journal of Colloid and Interface Science, 2012, 369, 23-27.	9.4	19
19389	Influence of surface functionalization via chemical oxidation on the properties of carbon nanotubes. Journal of Colloid and Interface Science, 2012, 370, 32-38.	9.4	125
19390	Hydrothermal synthesis of CuO micro-/nanostructures and their applications in the oxidative degradation of methylene blue and non-enzymatic sensing of glucose/H ₂ O ₂ . Journal of Colloid and Interface Science, 2012, 370, 144-154.	9.4	198
19391	Adsorption of arsenic on multiwall carbon nanotube/zirconia nanohybrid for potential drinking water purification. Journal of Colloid and Interface Science, 2012, 375, 154-159.	9.4	172
19392	Template effect of hydrolysis of the catalyst precursor on growth of carbon nanotube arrays. Journal of Colloid and Interface Science, 2012, 374, 34-39.	9.4	1
19393	Surface-associated metal catalyst enhances the sorption of perfluorooctanoic acid to multi-walled carbon nanotubes. Journal of Colloid and Interface Science, 2012, 377, 342-346.	9.4	27
19394	Voltammetric oxidation and determination of loop diuretic furosemide at a multi-walled carbon nanotubes paste electrode. Electrochimica Acta, 2012, 60, 95-101.	5.2	67
19395	Preparation of Pt- and Pd-decorated CNTs by DCC-activated amidation and investigation of their electrocatalytic activities. Electrochimica Acta, 2012, 60, 78-84.	5.2	28
19396	Architecture of poly(o-phenylenediamine)/Ag nanoparticle composites for a hydrogen peroxide sensor. Electrochimica Acta, 2012, 60, 314-320.	5.2	43
19397	Electrodeposition of carbon nanotube/carbon fabric composite using cetyltrimethylammonium bromide for high performance capacitor. Electrochimica Acta, 2012, 60, 449-455.	5.2	17
19398	Investigation of the electrochemical behavior of dopamine at electrodes modified with ferrocene-filled double-walled carbon nanotubes. Electrochimica Acta, 2012, 63, 83-88.	5.2	48

#	ARTICLE	IF	CITATIONS
19399	Mesoporous carbon nanofibers as advanced electrode materials for electrocatalytic applications. <i>Electrochimica Acta</i> , 2012, 65, 115-121.	5.2	11
19400	Covalent modification of carbon nanotubes with anthraquinone by electrochemical grafting and solid phase synthesis. <i>Electrochimica Acta</i> , 2012, 68, 74-80.	5.2	30
19401	Construction of a new functional platform by grafting poly(4-vinylpyridine) in multi-walled carbon nanotubes for complexing copper ions aiming the amperometric detection of l-cysteine. <i>Electrochimica Acta</i> , 2012, 71, 150-158.	5.2	44
19402	A square wave voltammetric method for the detection of microorganism populations using a MWNT-modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2012, 74, 105-110.	5.2	9
19403	Enhanced efficiency in dye sensitized solar cells with nanostructured Pt decorated multiwalled carbon nanotube based counter electrode. <i>Electrochimica Acta</i> , 2012, 72, 199-206.	5.2	28
19404	Enhanced reversible lithium storage in a nano-Si/MWCNT free-standing paper electrode prepared by a simple filtration and post sintering process. <i>Electrochimica Acta</i> , 2012, 76, 326-332.	5.2	65
19405	Concentration-dependent effects of carbon nanoparticles in gram-negative bacteria determined by infrared spectroscopy with multivariate analysis. <i>Environmental Pollution</i> , 2012, 163, 226-234.	7.5	59
19406	On the interaction of a single-walled carbon nanotube with a moving nanoparticle using nonlocal Rayleigh, Timoshenko, and higher-order beam theories. <i>European Journal of Mechanics, A/Solids</i> , 2012, 31, 179-202.	3.7	72
19407	Effective properties of a novel continuous fuzzy-fiber reinforced composite using the method of cells and the finite element method. <i>European Journal of Mechanics, A/Solids</i> , 2012, 36, 191-203.	3.7	81
19408	Electrochemical determination of a hemorheologic drug, pentoxifylline at a multi-walled carbon nanotube paste electrode. <i>Bioelectrochemistry</i> , 2012, 83, 1-7.	4.6	34
19409	Development of a sensor for L-Dopa based on Co(DMG)2ClPy/multi-walled carbon nanotubes composite immobilized on basal plane pyrolytic graphite electrode. <i>Bioelectrochemistry</i> , 2012, 86, 22-29.	4.6	36
19410	Nanobiocomposite platform based on polyaniline-iron oxide-carbon nanotubes for bacterial detection. <i>Bioelectrochemistry</i> , 2012, 86, 30-37.	4.6	51
19411	Single walled carbon nanotubes as drug delivery vehicles: Targeting doxorubicin to tumors. <i>Biomaterials</i> , 2012, 33, 1689-1698.	11.4	301
19412	Lysosomal membrane destabilization induced by high accumulation of single-walled carbon nanohorns in murine macrophage RAW264.7. <i>Biomaterials</i> , 2012, 33, 2762-2769.	11.4	73
19413	The use of carbon nanotubes to induce osteogenic differentiation of human adipose-derived MSCs in vitro and ectopic bone formation in vivo. <i>Biomaterials</i> , 2012, 33, 4818-4827.	11.4	250
19414	Electrochemical sensor using methimazole imprinted polymer sensitized with MWCNTs and Salen-Co(III) as recognition element. <i>Biosensors and Bioelectronics</i> , 2012, 31, 11-16.	10.1	27
19415	Recent trends in antibody based sensors. <i>Biosensors and Bioelectronics</i> , 2012, 34, 12-24.	10.1	246
19416	Fabrication and application of amperometric glucose biosensor based on a novel PtPd bimetallic nanoparticle decorated multi-walled carbon nanotube catalyst. <i>Biosensors and Bioelectronics</i> , 2012, 33, 75-81.	10.1	136

#	ARTICLE	IF	CITATIONS
19417	Interfacing resistances in conducting probe atomic force microscopy with carbon nanotubes functionalised tips. <i>Micro and Nano Letters</i> , 2012, 7, 343.	1.3	0
19418	Fabrication of carbons dendritic hierarchical structure via easy copper substrate-induced solvothermal process at low temperature. <i>Micro and Nano Letters</i> , 2012, 7, 265.	1.3	0
19419	Facile fabrication of nickel phosphate nanotubes via a urea-assisted hydrothermal route. <i>Materials Chemistry and Physics</i> , 2012, 132, 96-103.	4.0	17
19420	Effect of substrate bias in nitrogen incorporated amorphous carbon films with embedded nanoparticles deposited by filtered cathodic jet carbon arc technique. <i>Materials Chemistry and Physics</i> , 2012, 132, 659-666.	4.0	13
19421	Nanostructured Al/Al ₄ C ₃ composites reinforced with graphite or fullerene and manufactured by mechanical milling and spark plasma sintering. <i>Materials Chemistry and Physics</i> , 2012, 132, 815-822.	4.0	37
19422	Synthesis and characterization of one-dimensional magnetic photocatalytic CNTs/Fe ₃ O ₄ â€“ZnO nanohybrids. <i>Materials Chemistry and Physics</i> , 2012, 134, 229-234.	4.0	20
19423	Effect of heat treatment on the structure and stability of multiwalled carbon nanotubes produced by catalytic chemical vapor deposition technique. <i>Materials Chemistry and Physics</i> , 2012, 134, 412-416.	4.0	18
19424	One-step synthesis of carbon nanotubesâ€“copper composites for fabricating catalyst supports of methanol electrooxidation. <i>Materials Chemistry and Physics</i> , 2012, 135, 137-143.	4.0	5
19425	Synthetic control of large-area, ordered Fe nanotubes and their nanotube-core/alumina-sheath nanocables. <i>Materials Chemistry and Physics</i> , 2012, 135, 6-9.	4.0	8
19426	Effect of amino-functionalization on the interfacial adhesion of multi-walled carbon nanotubes/epoxy nanocomposites. <i>Materials & Design</i> , 2012, 33, 405-412.	5.1	76
19427	Electromagnetic wave absorbing properties of carbon nanotubes doped rare metal/pure carbon nanotubes double-layer polymer composites. <i>Materials & Design</i> , 2012, 33, 413-418.	5.1	62
19428	Influence of multiwall carbon nanotubes on the morphology, melting, crystallization and mechanical properties of polyamide 6/acrylonitrileâ€“butadieneâ€“styrene blends. <i>Materials & Design</i> , 2012, 34, 355-362.	5.1	62
19429	Multi-scale modeling of carbon nanotube reinforced composites with a fiber break. <i>Materials & Design</i> , 2012, 35, 498-504.	5.1	9
19430	Growth of carbon nanofibers catalyzed by silica-coated copper nanoparticles. <i>Materials Research Bulletin</i> , 2012, 47, 352-355.	5.2	8
19431	Electromagnetic and microwave-absorbing properties of magnetite decorated multiwalled carbon nanotubes prepared with poly(N-vinyl-2-pyrrolidone). <i>Materials Research Bulletin</i> , 2012, 47, 217-221.	5.2	24
19432	Physico-chemical studies of amorphous carbon nanotubes synthesized at low temperature. <i>Materials Research Bulletin</i> , 2012, 47, 1849-1854.	5.2	25
19433	Microwave absorption and mechanical properties of La(NO ₃) ₃ -doped multi-walled carbon nanotube/polyvinyl chloride composites. <i>Materials Letters</i> , 2012, 67, 84-87.	2.6	23
19434	Hydrothermal synthesis of tubular ZnO materials. <i>Materials Letters</i> , 2012, 68, 140-142.	2.6	15

#	ARTICLE	IF	CITATIONS
19435	Preparation of bowl-like and eggshell-like hollow carbon microspheres from potato starch. <i>Materials Letters</i> , 2012, 70, 54-56.	2.6	10
19436	XANES study of multi-walled carbon nanotubes modified by HNO ₃ vapor. <i>Materials Letters</i> , 2012, 72, 131-133.	2.6	4
19437	Growth mechanism of silica nanowires without a metal catalyst via oxyacetylene torch ablation. <i>Materials Letters</i> , 2012, 74, 118-120.	2.6	43
19438	Microwave absorption and catalytic activity of carbon nanotubes decorated with cobalt nanoparticles. <i>Materials Letters</i> , 2012, 75, 158-160.	2.6	48
19439	X-ray fluorescence as a method of monitoring metal catalyst content during the purification of carbon nanotubes. <i>Radiation Physics and Chemistry</i> , 2012, 81, 131-134.	2.8	10
19440	Semi-crystalline polymer/carbon nanotube nanocomposites: Effect of nanotube surface-functionalization and polymer coating on electrical and thermal properties. <i>Reactive and Functional Polymers</i> , 2012, 72, 383-392.	4.1	15
19441	Toxicological aspects of nanomaterials used in energy harvesting consumer electronics. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 2102-2110.	16.4	13
19442	Synthesis, characterization and stability of chitosan and poly(methyl methacrylate) grafted carbon nanotubes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 96, 380-386.	3.9	9
19443	Fracture toughness and toughening mechanisms in graphene platelet reinforced Si ₃ N ₄ composites. <i>Scripta Materialia</i> , 2012, 66, 793-796.	5.2	191
19444	A temperature sensor based on a MWCNT/SEBS nanocomposite. <i>Sensors and Actuators A: Physical</i> , 2012, 178, 94-99.	4.1	101
19445	Poly(lactic acid)-multi-wall carbon nanotube conductive biopolymer nanocomposite vapour sensors. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 621-628.	7.8	127
19446	Differential pulse voltammetric determination of ciprofibrate in pharmaceutical formulations using a glassy carbon electrode modified with functionalized carbon nanotubes within a poly(allylamine) Tj ETQq1 1 0.784314 rgBT / Overlock 1	7.8	108
19447	An electrochemical biosensor for determination of ascorbic acid by cobalt (II) phthalocyanine-multi-walled carbon nanotubes modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 1074-1079.	7.8	108
19448	Elaboration of SWNTs-based gas sensors using dispersion techniques: Evaluating the role of the surfactant and its influence on the sensor response. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 95-101.	7.8	15
19449	Electro-optical properties of zigzag and armchair boron nitride nanotubes under a transverse electric field: Tight binding calculations. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 154-161.	4.0	20
19450	On the van der Waals interaction of carbon nanocones. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 751-756.	4.0	14
19451	Toward possibility of high-temperature bipolaronic superconductivity in boron tubular polymorph: Theoretical aspects of transition into anti-adiabatic state. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1044-1054.	4.0	4
19452	Increased performance of single walled carbon nanotube photovoltaic cells through the addition of dibenzo[b,def]chrysene derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 235, 72-76.	3.9	10

#	ARTICLE	IF	CITATIONS
19453	A hybrid of MnO ₂ nanowires and MWCNTs as cathode of excellent rate capability for supercapacitors. Journal of Power Sources, 2012, 197, 330-333.	7.8	117
19454	Cross-linked gel polymer electrolyte containing multi-wall carbon nanotubes for application in dye-sensitized solar cells. Journal of Power Sources, 2012, 208, 263-270.	7.8	65
19455	A review of application of carbon nanotubes for lithium ion battery anode material. Journal of Power Sources, 2012, 208, 74-85.	7.8	625
19456	Preparation and application of L-cysteine-doped Keggin polyoxometalate microtubes. Journal of Solid State Chemistry, 2012, 185, 225-228.	2.9	9
19457	Structure and electronic properties of the nanopeapods "One dimensional C ₆₀ O polymer encapsulated in single-walled carbon nanotubes. Journal of Solid State Chemistry, 2012, 186, 64-69.	2.9	10
19458	P25 niblet-like coated on large void space TiO ₂ nanotubes arrays for high-rate charge-collection and improved photoconversion efficiency. Journal of Solid State Chemistry, 2012, 190, 130-134.	2.9	11
19459	Wave propagation in fluid-filled single-walled carbon nanotube on analytically nonlocal Euler-Bernoulli beam model. Journal of Sound and Vibration, 2012, 331, 1567-1579.	3.9	34
19460	Upconverting Ho-Yb doped titanate nanotubes. Materials Letters, 2012, 80, 81-83.	2.6	15
19461	Large-scale and controllable synthesis of metal-free carbon nanofibers and carbon nanotubes over water-soluble Na ₂ CO ₃ . Materials Letters, 2012, 81, 135-137.	2.6	4
19462	Buckling analysis of embedded nanotubes using gradient continuum theory. Mechanics of Materials, 2012, 45, 52-60.	3.2	28
19463	Axial vibration analysis of a tapered nanorod based on nonlocal elasticity theory and differential quadrature method. Mechanics Research Communications, 2012, 39, 23-27.	1.8	145
19464	Axial vibration analysis of nanorods (carbon nanotubes) embedded in an elastic medium using nonlocal elasticity. Mechanics Research Communications, 2012, 43, 34-40.	1.8	133
19465	Static bending behaviors of nanoplate embedded in elastic matrix with small scale effects. Mechanics Research Communications, 2012, 41, 44-48.	1.8	37
19466	AlN nanotube as a potential electronic sensor for nitrogen dioxide. Microelectronics Journal, 2012, 43, 452-455.	2.0	96
19467	Pyrohydrolysis of carbon nanotubes for Br and I determination by ICP-MS. Microchemical Journal, 2012, 101, 54-58.	4.5	29
19468	The use of bimetallic MCM-41 mesoporous catalysts for the synthesis of MWCNTs by chemical vapor deposition. Journal of Molecular Catalysis A, 2012, 355, 75-84.	4.8	22
19469	Evaluating the effects of operating conditions on the quantity, quality and catalyzed growth mechanisms of CNTs. Journal of Molecular Catalysis A, 2012, 357, 26-38.	4.8	21
19470	Dispersion of carbon nanotubes with the aid of surface-active ionic liquids 1-dodecyl-3-methyl-pyrrolidinium bromide. Journal of Molecular Liquids, 2012, 171, 6-10.	4.9	8

#	ARTICLE	IF	CITATIONS
19471	A DFT study on group III and V combined hexagonal clusters as potential building motifs for inorganic nanomaterials. <i>Journal of Molecular Structure</i> , 2012, 1007, 203-207.	3.6	5
19472	On the structural rules of helically coiled carbon nanotubes. <i>Journal of Molecular Structure</i> , 2012, 1008, 1-7.	3.6	9
19473	Controlled transformation of carbon coating on silicon nanochains into nanotubes of carbon by Joule heating. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 96-99.	3.5	1
19474	Synthesis and luminescence properties for europium oxide nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 121-126.	3.5	7
19475	Novel nanostructure-based electrochemical sensor for simultaneous determination of dopamine and acetaminophen. <i>Materials Science and Engineering C</i> , 2012, 32, 375-380.	7.3	83
19476	Carbon nanotube growth from catalytic nano-clusters formed by hot-ion-implantation into the SiO ₂ /Si interface. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 282, 125-129.	1.4	1
19477	Using proton beams as a diagnostic tool in carbon nanotubes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 169-172.	1.4	6
19478	Identification of the types of carbon nanotubes using donut effects. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 279, 198-201.	1.4	7
19479	Guided waves characteristics of multi-walled carbon nanotubes. <i>Optics Communications</i> , 2012, 285, 1163-1166.	2.1	1
19480	Optical conductivity of carbon nanotubes. <i>Optics Communications</i> , 2012, 285, 3137-3139.	2.1	16
19481	One-step unipolar pulse electrodeposition of nickel hexacyanoferrate/chitosan/carbon nanotubes film and its application in hydrogen peroxide sensor. <i>Sensors and Actuators B: Chemical</i> , 2012, 162, 353-360.	7.8	37
19482	Multi-wall carbon nanotube gas sensors modified with amino-group to detect low concentration of formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 34-38.	7.8	84
19483	Differential pulse voltammetric analysis of lead in vegetables using a surface amino-functionalized exfoliated graphite nanoplatelet chemically modified electrode. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 842-847.	7.8	9
19484	Effects of electric and magnetic fields on the electronic properties of zigzag carbon and boron nitride nanotubes. <i>Solid State Sciences</i> , 2012, 14, 456-464.	3.2	15
19485	Covalent attachments of boron nitride nanotubes through a carboxylic linker: Density functional studies. <i>Solid State Sciences</i> , 2012, 14, 689-692.	3.2	10
19486	Studying (n, 0) and (m,m) GaP nanotubes ($n \leq 10$ and $m \leq 6$) through DFT calculations of Ga-69 quadrupole coupling constants. <i>Solid State Sciences</i> , 2012, 14, 801-804.	3.2	12
19487	Density functional studies of oxygen-terminations versus hydrogen-terminations in carbon and silicon nanotubes. <i>Solid State Sciences</i> , 2012, 14, 874-879.	3.2	8
19488	Progress on free-standing and flow-through TiO ₂ nanotube membranes. <i>Solar Energy Materials and Solar Cells</i> , 2012, 98, 24-38.	6.2	130

#	ARTICLE	IF	CITATIONS
19489	Investigation of size distribution of silver nanoparticles. Superlattices and Microstructures, 2012, 51, 223-231.	3.1	6
19490	A computational NMR study of nitrogen substitutional impurity in the armchair BeO nanotube. Superlattices and Microstructures, 2012, 51, 363-371.	3.1	7
19491	Electronic transport of graphene nanoribbons within recursive Greenâ€™s function. Superlattices and Microstructures, 2012, 51, 523-532.	3.1	11
19492	Novel carbon nanotube field effect transistor with graded double halo channel. Superlattices and Microstructures, 2012, 51, 668-679.	3.1	23
19493	Electronic and magnetic properties of single-wall GeC nanotubes filled with iron nanowires. Superlattices and Microstructures, 2012, 51, 754-764.	3.1	16
19494	Effects of partial hydrogenation and vacancy defects on the electronic properties of metallic carbon nanotubes. Solid State Communications, 2012, 152, 868-872.	1.9	4
19495	Electronic transport properties of zigzag carbon- and boron-nitride-nanotube heterostructures. Solid State Communications, 2012, 152, 1061-1066.	1.9	27
19496	Ab initio calculations of optical properties of B2C graphene sheet. Solid State Communications, 2012, 152, 1012-1017.	1.9	46
19497	Stable field emission from planar-gate electron source with MWNTs by electrophoretic deposition. Solid-State Electronics, 2012, 67, 6-10.	1.4	8
19498	Comparison of InP Schottky diodes based on Au or Pd sensing electrodes for NO2 and O3 sensing. Solid-State Electronics, 2012, 72, 29-37.	1.4	6
19499	Niâ€“P-multiwalled carbon nanotubes composite coatings prepared by mechanical attrition (MA)-assisted electroless plating. Surface and Coatings Technology, 2012, 206, 2774-2779.	4.8	13
19500	Electrical and mechanical properties of multi-walled carbon nanotube reinforced Al composite coatings fabricated by high velocity oxygen fuel spraying. Surface and Coatings Technology, 2012, 206, 4060-4067.	4.8	10
19501	The surface science of graphene: Metal interfaces, CVD synthesis, nanoribbons, chemical modifications, and defects. Surface Science Reports, 2012, 67, 83-115.	7.2	746
19502	Thermal degradation kinetics of resole phenol-formaldehyde resin/multi-walled carbon nanotube/cellulose nanocomposite. Thermochimica Acta, 2012, 540, 107-115.	2.7	22
19503	Towards greater mechanical, thermal and chemical stability in solid-phase microextraction. TrAC - Trends in Analytical Chemistry, 2012, 34, 126-139.	11.4	88
19504	Observation of room-temperature formation of carbon nanotubes as a result of the detachment of a gold nanolayer from a glass substrate. Thin Solid Films, 2012, 520, 4174-4179.	1.8	0
19505	Structural modifications and enhanced Raman scattering from multiwalled carbon nanotubes grown on titanium coated silicon single crystals. Thin Solid Films, 2012, 520, 1902-1908.	1.8	6
19506	Effect of particle size on iron nanoparticle oxidation state. Thin Solid Films, 2012, 520, 2036-2040.	1.8	4

#	ARTICLE	IF	CITATIONS
19507	High-quality parallel patterning of carbon nanotube thin films by a pulsed laser beam. Thin Solid Films, 2012, 520, 3971-3974.	1.8	5
19508	Elaboration of single wall carbon nanotubes-based gas sensors: Evaluating the bundling effect on the sensor performance. Thin Solid Films, 2012, 520, 4465-4469.	1.8	21
19509	A comprehensive study of sound pressure in a finite-length fluid-filled multi-walled carbon nanotube. Ultrasonics, 2012, 52, 655-662.	3.9	7
19510	A vacuum sensor using field emitters made by multiwalled carbon nanotube yarns. Vacuum, 2012, 86, 885-888.	3.5	25
19511	Electrochemical utilisation of chemical vapour deposition grown carbon nanotubes as sensors. Vacuum, 2012, 86, 507-519.	3.5	20
19512	Effect of patterned and aligned carbon nanotubes on field emission properties. Vacuum, 2012, 86, 933-937.	3.5	4
19513	Field emitter-based vacuum sensors. Vacuum, 2012, 86, 556-571.	3.5	41
19514	Novel solution routes of synthesis of metal oxide and hybrid metal oxide nanocrystals. Progress in Crystal Growth and Characterization of Materials, 2012, 58, 14-42.	4.0	39
19515	Dimer statistics of honeycomb lattices on Klein bottle, Möbius strip and cylinder. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 3833-3848.	2.6	5
19516	The effect of doping three Al and N atoms on the chemical shielding tensor parameters of the boron phosphide nanotubes: A DFT study. Physica B: Condensed Matter, 2012, 407, 22-26.	2.7	10
19517	Bending wave propagation of carbon nanotubes in a bi-parameter elastic matrix. Physica B: Condensed Matter, 2012, 407, 684-688.	2.7	17
19518	First-principle study of the electronic transport properties of a new dumbbell-like carbon nanocomposite. Physica B: Condensed Matter, 2012, 407, 2105-2108.	2.7	4
19519	Preparation and characterization of aligned carbon nanotubes/polylactic acid composite fibers. Physica B: Condensed Matter, 2012, 407, 2451-2457.	2.7	17
19520	Peculiarities of carbon spheres obtained by hydrocarbon pyrolysis in hermetically closed container. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1021-1023.	2.7	1
19521	Optical absorption of charged excitons in semiconducting carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 936-939.	2.7	3
19522	Morphology and distribution of carbon nanostructures in a deposit produced by arc discharge in liquid nitrogen. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1005-1008.	2.7	4
19523	Optical absorption of zigzag carbon nanotubes at finite temperature. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 760-763.	2.7	1
19524	The electrical conduction variation in stained carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 803-807.	2.7	5

#	ARTICLE	IF	CITATIONS
19525	Buckling of peapods, fullerenes and nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012, 44, 944-948.	2.7	18
19526	Quantum transport in carbon nanoscrolls. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 515-520.	2.1	17
19527	Coalescence of B N fullerenes: A new pathway to produce boron nitride nanotubes with small diameter. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012, 376, 1465-1467.	2.1	28
19528	Mechanical systems in the quantum regime. <i>Physics Reports</i> , 2012, 511, 273-335.	25.6	398
19529	Zero-dimensional, one-dimensional, two-dimensional and three-dimensional nanostructured materials for advanced electrochemical energy devices. <i>Progress in Materials Science</i> , 2012, 57, 724-803.	32.8	892
19530	Star-shaped PbS nanocrystals prepared by hydrothermal process in the presence of thioglycolic acid. <i>Polyhedron</i> , 2012, 35, 149-153.	2.2	127
19531	Establishment, morphology and properties of carbon nanotube networks in polymer melts. <i>Polymer</i> , 2012, 53, 4-28.	3.8	468
19532	Multiscale modeling of size-dependent elastic properties of carbon nanotube/polymer nanocomposites with interfacial imperfections. <i>Polymer</i> , 2012, 53, 623-633.	3.8	136
19533	The electrical conductivity of carbon nanotube/carbon black/polypropylene composites prepared through multistage stretching extrusion. <i>Polymer</i> , 2012, 53, 1602-1610.	3.8	157
19534	Extraordinary aspects of bromo-functionalized multi-walled carbon nanotubes as initiator for polymerization of ionic liquid monomers. <i>Polymer</i> , 2012, 53, 2008-2014.	3.8	14
19535	Nano- and microstructural effects on thermal properties of poly (l-lactide)/multi-wall carbon nanotube composites. <i>Polymer</i> , 2012, 53, 2412-2421.	3.8	72
19536	Crystallization kinetics and anisotropic properties of polyethylene oxide/magnetic carbon nanotubes composite films. <i>Polymer</i> , 2012, 53, 2402-2411.	3.8	36
19537	Carbon nanotubes: Amino functionalization and its application in the fabrication of Al-matrix composites. <i>Powder Technology</i> , 2012, 215-216, 254-263.	4.2	47
19538	Electrical conductivity of compacts of graphene, multi-wall carbon nanotubes, carbon black, and graphite powder. <i>Powder Technology</i> , 2012, 221, 351-358.	4.2	555
19539	Polyacrylonitrile-based nanofibers—A state-of-the-art review. <i>Progress in Polymer Science</i> , 2012, 37, 487-513.	24.7	530
19540	Graphene—DNA hybrid materials: Assembly, applications, and prospects. <i>Progress in Polymer Science</i> , 2012, 37, 515-529.	24.7	137
19541	Modifications of carbon for polymer composites and nanocomposites. <i>Progress in Polymer Science</i> , 2012, 37, 781-819.	24.7	256
19542	Carbon nanotubes-liposomes conjugate as a platform for drug delivery into cells. <i>Journal of Controlled Release</i> , 2012, 160, 339-345.	9.9	87

#	ARTICLE	IF	CITATIONS
19543	The removal of U(VI) from aqueous solution by oxidized multiwalled carbon nanotubes. Journal of Environmental Radioactivity, 2012, 105, 40-47.	1.7	193
19544	Towards physical properties tailoring of carbon nanotubes-reinforced ceramic matrix composites. Journal of the European Ceramic Society, 2012, 32, 3001-3020.	5.7	193
19545	Differential pulse voltammetric determination of methyl parathion based on multiwalled carbon nanotubes/poly(acrylamide) nanocomposite film modified electrode. Journal of Hazardous Materials, 2012, 217-218, 315-322.	12.4	84
19546	Schiff base-chitosan grafted multiwalled carbon nanotubes as a novel solid-phase extraction adsorbent for determination of heavy metal by ICP-MS. Journal of Hazardous Materials, 2012, 219-220, 103-110.	12.4	136
19547	Preparation of poly(vinyl alcohol)/poly(acrylic acid)/TiO ₂ /carbon nanotube composite nanofibers and their photobleaching properties. Journal of Industrial and Engineering Chemistry, 2012, 18, 487-491.	5.8	32
19548	Wear behavior in Al ₂ O ₃ /CNTs composites synthesized by mechanical alloying. Wear, 2012, 292-293, 169-175.	3.1	33
19549	Nanoscale vibration characteristics of multi-layered graphene sheets. Mechanical Systems and Signal Processing, 2012, 29, 251-261.	8.0	29
19550	A Tutorial on Nonlinear Photonic Applications of Carbon Nanotube and Graphene. Journal of Lightwave Technology, 2012, 30, 427-447.	4.6	264
19551	Nanomaterials Enter the Silicon-Based CMOS Era: Nanorobotic Technologies for Nanoelectronic Devices. IEEE Nanotechnology Magazine, 2012, 6, 14-18.	1.3	13
19552	Rigorous Characterization of Carbon Nanotube Complex Permittivity Over a Broadband of RF Frequencies. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 81-87.	2.2	18
19553	Carbon nanotubes in capillary electrophoresis, capillary electrochromatography and microchip electrophoresis. Open Chemistry, 2012, 10, 785-801.	1.9	15
19554	Terahertz frequency response of electrons in a single-walled zigzag carbon nanotube. Journal of the Korean Physical Society, 2012, 60, 1263-1266.	0.7	1
19555	New method of the directional modification of the electronic structure of single-walled carbon nanotubes by filling channels with metallic copper from a liquid phase. JETP Letters, 2012, 95, 314-319.	1.4	41
19556	Potential magnetic properties of nanotubes (n, 0) with Klein and Fujita edges. Russian Journal of Physical Chemistry A, 2012, 86, 1261-1267.	0.6	1
19557	Broadband single-walled carbon nanotubes absorber for solid-state ultrafast lasers. Laser Physics, 2012, 22, 1043-1048.	1.2	0
19558	Phonon dispersion of graphene revisited. Journal of Experimental and Theoretical Physics, 2012, 114, 805-809.	0.9	10
19559	The adsorption effect of C ₆ H ₅ on density of states for double wall carbon nanotubes by tight binding model. Semiconductors, 2012, 46, 769-772.	0.5	1
19560	The chiral effect of adsorption of univalent atoms and diatomic molecules on the surface of carbon nanotubes. Russian Journal of Physical Chemistry B, 2012, 6, 448-454.	1.3	3

#	ARTICLE	IF	CITATIONS
19561	Electrochemical sensors with carbon nanotubes for biomedical research. Review Journal of Chemistry, 2012, 2, 51-73.	1.0	1
19562	Ta ₄ FeTe ₄ : a new material for metallic single molecular wires. European Physical Journal B, 2012, 85, 1.	1.5	4
19563	Developing the dielectric mechanisms of polyetherimide/multiwalled carbon nanotube/(Ba _{0.8} Sr _{0.2})(Ti _{0.9} Zr _{0.1})O ₃ composites. Nanoscale Research Letters, 2012, 7, 132.	5.7	7
19564	A facile chemical conversion synthesis of Sb ₂ S ₃ nanotubes and the visible light-driven photocatalytic activities. Nanoscale Research Letters, 2012, 7, 199.	5.7	45
19565	Preparation and Characterization of Composites that Contain Small Carbon Nanoâ€œOnions and Conducting Polyaniline. Chemistry - A European Journal, 2012, 18, 2600-2608.	3.3	63
19566	Composites of Graphene and Other Nanocarbons with Organogelators Assembled through Supramolecular Interactions. Chemistry - A European Journal, 2012, 18, 2890-2901.	3.3	52
19567	Influences of multiwalled carbon nanotubes and plant residue chars on bioaccumulation of polycyclic aromatic hydrocarbons by <i>Chironomus plumosus</i> larvae in sediment. Environmental Toxicology and Chemistry, 2012, 31, 202-209.	4.3	59
19568	Graphitic Carbon Nanocapsules: Scaled Preparation, Formation Mechanism, and Use as an Excellent Support for Methanol Electro-oxidation. European Journal of Inorganic Chemistry, 2012, 2012, 961-968.	2.0	13
19569	Gold Electrode Modified with Selfâ€œAssembled Monolayer of Cysteamineâ€œFunctionalized MWCNT and Its Application in Simultaneous Determination of Dopamine and Uric Acid. Electroanalysis, 2012, 24, 425-432.	2.9	32
19570	Determination of pesticide residues in complex matrices using multiâ€œwalled carbon nanotubes as reversedâ€œdispersive solidâ€œphase extraction sorbent. Journal of Separation Science, 2012, 35, 153-158.	2.5	72
19571	Combination Selfâ€œAssembly of Î²â€œSheet Peptides and Carbon Nanotubes: Functionalizing Carbon Nanotubes with Bioactive Î²â€œSheet Block Copolypeptides. Macromolecular Bioscience, 2012, 12, 49-54.	4.1	14
19572	Hydrothermal Treatment of Grass: A Lowâ€œCost, Green Route to Nitrogenâ€œDoped, Carbonâ€œRich, Photoluminescent Polymer Nanodots as an Effective Fluorescent Sensing Platform for Labelâ€œFree Detection of Cu(II) Ions. Advanced Materials, 2012, 24, 2037-2041.	21.0	1,345
19573	Development and Application of Multipleâ€œProbe Scanning Probe Microscopes. Advanced Materials, 2012, 24, 1675-1692.	21.0	56
19574	Design of Carbon Nanotubeâ€œBased Gasâ€œDiffusion Cathode for O ₂ Reduction by Multicopper Oxidases. Advanced Energy Materials, 2012, 2, 162-168.	19.5	74
19575	Tribological behaviors of hybrid PTFE/nomex fabric/phenolic composite reinforced with multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2012, 124, 235-241.	2.6	22
19576	Effect of carbon nanotubes on dynamic mechanical properties, TGA, and crystalline structure of polypropylene. Journal of Applied Polymer Science, 2012, 124, 2541-2549.	2.6	18
19577	Experimental, analytical, and numerical investigation of interphasial stress and strain fields in MWCNT polymer composites. Journal of Applied Polymer Science, 2012, 123, 699-706.	2.6	7
19578	Electrical and mechanical properties of acrylonitrileâ€œbutadieneâ€œstyrene/multiwall carbon nanotube nanocomposites prepared by meltâ€œblending. Journal of Applied Polymer Science, 2012, 124, 3165-3174.	2.6	26

#	ARTICLE	IF	CITATIONS
19579	Preparation and characterization of polyimide/silane coupling agent modified multiwall carbon nanotubes composites. Journal of Applied Polymer Science, 2012, 124, 1137-1143.	2.6	17
19580	Improvement in properties of multiwalled carbon nanotube/polypropylene nanocomposites through homogeneous dispersion with the aid of surfactants. Journal of Applied Polymer Science, 2012, 124, 1117-1127.	2.6	43
19581	Interphasial viscoelastic behavior of CNT reinforced nanocomposites studied by means of the concept of the hybrid viscoelastic interphase. Journal of Applied Polymer Science, 2012, 124, 1578-1588.	2.6	18
19582	A convenient route to modified multiwall carbon nanotubes with liquid crystal molecules via covalent functionalization. Journal of Applied Polymer Science, 2012, 124, 3399-3406.	2.6	10
19583	Biodegradable poly(butylene succinate- <i>co</i> -butylene adipate)/multiwalled carbon nanotube nanocomposites: Preparation, morphology, and crystallization behavior. Journal of Applied Polymer Science, 2012, 124, 4268-4273.	2.6	11
19584	An Anticoagulant Activity System Using Nanoengineered Autofluorescent Heparin Nanotubes. Chemistry - an Asian Journal, 2012, 7, 127-132.	3.3	14
19585	Chitosan-Functionalized Carbon Nanotubes as Support for the High Dispersion of PtRu Nanoparticles and their Electrocatalytic Oxidation of Methanol. Chemistry - an Asian Journal, 2012, 7, 190-195.	3.3	34
19586	Conductive chitosan/multi walled carbon nanotubes electrospun nanofiber feasibility. Korean Journal of Chemical Engineering, 2012, 29, 111-119.	2.7	20
19587	Ultra-fast densification of CNTs reinforced alumina based on combustion reaction and quick pressing. Science China Technological Sciences, 2012, 55, 484-489.	4.0	12
19588	High-performance doping-free carbon-nanotube-based CMOS devices and integrated circuits. Science Bulletin, 2012, 57, 135-148.	1.7	14
19589	Carbon nanotubes in biology and medicine: An overview. Science Bulletin, 2012, 57, 167-180.	1.7	30
19590	A review of the large-scale production of carbon nanotubes: The practice of nanoscale process engineering. Science Bulletin, 2012, 57, 157-166.	1.7	45
19591	Carbon nanotubes prepared by anodic aluminum oxide template method. Science Bulletin, 2012, 57, 187-204.	1.7	35
19593	The Construction of Glucose Biosensor Based on Platinum Nanoclusters-Multiwalled Carbon Nanotubes Nanocomposites. Applied Biochemistry and Biotechnology, 2012, 166, 889-902.	2.9	7
19594	Electrochemical Sensing Platform Based on Single-Walled Carbon Nanotubes (SWCNTs)/Gold Nanoparticles (AuNps) Nanocomposite. Electrocatalysis, 2012, 3, 30-38.	3.0	10
19595	[O] [H] functionalization on carbon nanotube using (O ₂ -H ₂) gas mixture DC glow discharge. Applied Nanoscience (Switzerland), 2012, 2, 47-53.	3.1	3
19596	Carbon nanomaterials: controlled growth and field-effect transistor biosensors. Frontiers of Materials Science, 2012, 6, 26-46.	2.2	14
19597	Synthesis and characterization of the SnS nanowires via chemical vapor deposition. Applied Physics A: Materials Science and Processing, 2012, 106, 87-91.	2.3	53

#	ARTICLE	IF	CITATIONS
19598	Enhancement of zinc interstitials in ZnO nanotubes grown on glass substrate by the hydrothermal method. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 151-156.	2.3	7
19599	Rapid and enhanced functionalization of MWCNTs in a dielectric barrier discharge plasma in presence of diluted CO ₂ . <i>Applied Physics A: Materials Science and Processing</i> , 2012, 106, 829-836.	2.3	11
19600	Lung deposition and toxicological responses evoked by multi-walled carbon nanotubes dispersed in a synthetic lung surfactant in the mouse. <i>Archives of Toxicology</i> , 2012, 86, 137-149.	4.2	36
19601	Determination of moisture content of single-wall carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 429-438.	3.7	17
19602	The preparation of carbon nanotube/poly(ethylene oxide) composites using amphiphilic block copolymers. <i>Polymer Bulletin</i> , 2012, 68, 465-481.	3.3	8
19603	Dynamic response of slacked single-walled carbon nanotube resonators. <i>Nonlinear Dynamics</i> , 2012, 67, 1419-1436.	5.2	40
19604	Nonlocal beam theory for nonlinear vibrations of embedded multiwalled carbon nanotubes in thermal environment. <i>Nonlinear Dynamics</i> , 2012, 67, 2241-2254.	5.2	44
19605	Nonlinear finite element analysis for vibrations of double-walled carbon nanotubes. <i>Nonlinear Dynamics</i> , 2012, 67, 373-383.	5.2	31
19606	Effects of Laser Irradiation on the Thermal Conductivity and Viscosity of Aqueous Multiwalled Carbon Nanotube Suspensions. <i>International Journal of Thermophysics</i> , 2012, 33, 121-134.	2.1	0
19607	Synthesis and characterization of amorphous hollow carbon spheres. <i>Journal of Materials Science</i> , 2012, 47, 2072-2077.	3.7	6
19608	Structure–electrical resistivity relationship of N-doped multi-walled carbon nanotubes. <i>Journal of Materials Science</i> , 2012, 47, 2390-2395.	3.7	31
19609	Time and temperature dependent piezoresistance of carbon nanofiller/polymer composites under dynamic load. <i>Journal of Materials Science</i> , 2012, 47, 2648-2657.	3.7	25
19610	Direct electrochemical determination of ascorbic acid by a cobalt(II) tetra-neopentyloxy phthalocyanine-multi-walled carbon nanotubes glassy carbon electrode. <i>Journal of Materials Science</i> , 2012, 47, 2731-2735.	3.7	13
19611	Functionalization of gold-coated carbon nanotubes with self-assembled monolayers of thiolates. <i>Journal of Materials Science</i> , 2012, 47, 3463-3467.	3.7	6
19612	High surface area nanostructured tubes prepared by dissolution of ALD-coated electrospun fibers. <i>Journal of Materials Science</i> , 2012, 47, 3607-3612.	3.7	16
19613	2-Methyl oxazoline-grafted carbon nanofibers: preparation, characterization and their role in elastomeric actuators. <i>Journal of Materials Science</i> , 2012, 47, 4178-4186.	3.7	5
19614	Synthesis of multilayered composite nanotube heterostructure; SiC/SiO ₂ , C/SiO ₂ , and C/SiC/SiO ₂ nanotubes. <i>Journal of Materials Science</i> , 2012, 47, 4363-4369.	3.7	2
19615	Removal of radiocobalt from aqueous solution by oxidized MWCNT. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 291, 787-795.	1.5	35

#	ARTICLE	IF	CITATIONS
19616	Diglycolamide functionalized multi-walled carbon nanotubes for removal of uranium from aqueous solution by adsorption. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2012, 291, 877-883.	1.5	75
19617	Tailoring nanomaterial products through electrode material and oxygen partial pressure in a mini-arc plasma reactor. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	7
19618	Preparation and dielectric properties of poly(arylene ether nitrile) containing carboxyl groups/carbon nanotubes composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 206-211.	2.2	5
19619	Comparative study of the sol-gel based solid phase microextraction fibers in extraction of naphthalene, fluorene, anthracene and phenanthrene from saffron samples extractants. <i>Mikrochimica Acta</i> , 2012, 176, 317-325.	5.0	37
19620	Adsorption properties of H ₂ O ₂ trapped inside a boron phosphide nanotube. <i>Monatshefte für Chemie</i> , 2012, 143, 37-41.	1.8	11
19621	Gas adsorption on the Zn, Pd and Os doped armchair (5,5) single-walled carbon nanotubes. <i>Journal of Molecular Modeling</i> , 2012, 18, 351-358.	1.8	23
19622	NMR and NQR parameters of the SiC-doped on the (4,4) armchair single-walled BPNT: a computational study. <i>Journal of Molecular Modeling</i> , 2012, 18, 881-889.	1.8	15
19623	Electrochemical methods for simultaneous determination of trace amounts of dopamine and uric acid using a carbon paste electrode incorporated with multi-wall carbon nanotubes and modified with β -cyclodextrine. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 179-189.	2.5	31
19624	Electrochemical sensor using glassy carbon electrode modified with acylpyrazolone-multiwalled carbon nanotube composite film for determination of xanthine. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 689-695.	2.5	10
19625	A novel method to graft carbon nanotube onto carbon fiber by the use of a binder. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2033-2037.	2.6	13
19626	Application of melt-blown technology for the manufacture of temperature-sensitive nonwoven fabrics composed of polymer blends PP/PCL loaded with multiwall carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2013, 127, 869-878.	2.6	25
19627	The influence of melt-mixing process conditions on electrical conductivity of polypropylene/multiwall carbon nanotubes composites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1017-1026.	2.6	44
19628	Effect of processing techniques on the performance of Epoxy/MWCNT nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4211-4224.	2.6	37
19629	Influence of nanoclays on electrical and morphological properties of thermoplastic polyurethane/multiwalled carbon nanotube/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 127, 4233-4240.	2.6	12
19630	Poly(ethylene oxide)-multiwall carbon nanotube composites: Effect of dicarboxylic acid salt-based modifiers. <i>Journal of Applied Polymer Science</i> , 2013, 127, 5028-5036.	2.6	15
19631	Morphology, microstructure, and electrical properties of poly(D,L-lactic) Tj ETQq1 1 0.784314 rgBT /Overlo	2.6	6
19632	Composite fibers from poly(vinyl alcohol) and poly(vinyl alcohol)-functionalized multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1044-1053.	2.6	15
19633	Comparison of flocculated and dispersed single-wall carbon nanotube-based coatings using nonionic surfactants. <i>Polymer Engineering and Science</i> , 2013, 53, 69-77.	3.1	11

#	ARTICLE	IF	CITATIONS
19634	Novel carbonâ€‘nanotubeâ€‘based organogels as candidates for oil recovery. Polymer International, 2013, 62, 179-183.	3.1	55
19635	Dyeâ€‘sensitized TiO ₂ solar cells based on nanocomposite photoanode containing plasmaâ€‘modified multiâ€‘walled carbon nanotubes. Progress in Photovoltaics: Research and Applications, 2013, 21, 47-57.	8.1	46
19636	Electronic structures and molecular structures of polyynes. International Journal of Quantum Chemistry, 2013, 113, 423-427.	2.0	12
19637	Electron transport and optical properties of curved aromatics. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2013, 3, 1-12.	14.6	22
19638	Dispersion and Thermal Analysis of Carbon Nanotube Reinforced AA 4032 Alloy Produced by High Energy Ball Milling. Experimental Techniques, 2013, 37, 14-18.	1.5	7
19639	A Theoretical Study of OH and OCH ₃ Free Radical Adsorption on a Nanosized Tube of BC ₂ N. Journal of Cluster Science, 2013, 24, 1011-1020.	3.3	12
19640	First Principles Calculations of Electric Field Effect on the (6,0) Zigzag Single-Walled Silicon Carbide Nanotube for use in Nano-Electronic Circuits. Journal of Cluster Science, 2013, 24, 591-604.	3.3	15
19641	Nanomaterials Imaging Techniques, Surface Studies, and Applications. Springer Proceedings in Physics, 2013, , .	0.2	8
19642	Lentinan greatly enhances the dispersibility of single-walled carbon nanotubes in water and decreases the cytotoxicity. Bioactive Carbohydrates and Dietary Fibre, 2013, 1, 111-119.	2.7	11
19643	A Novel Hydrogen Peroxide Biosensor Based on Adsorption of Horseradish Peroxidase onto a Nanobiomaterial Composite Modified Glassy Carbon Electrode. Electroanalysis, 2013, 25, 1946-1954.	2.9	36
19644	Stable Electron Donorâ€‘Acceptor Nanohybrids by Interfacing <i>nâ€‘</i>Type TCAQ with <i>pâ€‘</i>Type Singleâ€‘Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2013, 52, 10216-10220.	13.8	32
19645	Dose-Related Alterations of Carbon Nanoparticles in Mammalian Cells Detected Using Biospectroscopy: Potential for Real-World Effects. Environmental Science & Technology, 2013, 47, 10005-10011.	10.0	42
19646	Niâ€‘Zn ferrite-loaded superparamagnetic amorphous carbon nanotubes through a facile route. Colloid and Polymer Science, 2013, 291, 2589-2597.	2.1	6
19647	Preparation of magnetic carbon nanotubes for separation of pyrethroids from tea samples. Mikrochimica Acta, 2013, 180, 423-430.	5.0	50
19648	Preferential positioning of Î³-ray treated multi-walled carbon nanotubes in polyamide 6,6/poly(p-phenylene ether) blends. Macromolecular Research, 2013, 21, 356-361.	2.4	9
19649	Statistical properties of carbon nanostructures. Journal of Mathematical Chemistry, 2013, 51, 1211-1220.	1.5	10
19650	Using a functional epoxy, micron silver flakes, nano silver spheres, and treated single-wall carbon nanotubes to prepare high performance electrically conductive adhesives. Electronic Materials Letters, 2013, 9, 299-307.	2.2	21
19651	Morphology control of three-dimensional carbon nanotube macrostructures fabricated using ice-templating method. Journal of Porous Materials, 2013, 20, 1289-1297.	2.6	16

#	ARTICLE	IF	CITATIONS
19652	Preparation of meso-macroporous γ -alumina using carbon nanotube as the template for the mesopore and their application to the preferential oxidation of CO in H ₂ -rich gases. Journal of Porous Materials, 2013, 20, 789-798.	2.6	13
19653	A new method for removing dispersed carbon nanotubes from aqueous solution by nanoporous biosilica (frustule). Journal of Porous Materials, 2013, 20, 961-966.	2.6	3
19654	Interactions between Methane and Polycyclic Aromatic Hydrocarbons: A High Accuracy Benchmark Study. Journal of Chemical Theory and Computation, 2013, 9, 370-389.	5.3	36
19655	Sublattice Superconductivity in Boron Nitride Nanotube. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2905-2909.	1.8	5
19656	Fabrication and magnetic properties of La-X (X = Co, Ni, and Fe) nanotube arrays prepared by electrodeposition methods. Journal of Applied Physics, 2013, 114, .	2.5	9
19657	Carbon nanotubes in neuroregeneration and repair. Advanced Drug Delivery Reviews, 2013, 65, 2034-2044.	13.7	137
19658	The characterization of the concentration of the single-walled carbon nanotubes in aqueous dispersion by UV-Vis-NIR absorption spectroscopy. Analyst, The, 2013, 138, 6671.	3.5	17
19659	Density functional theory studies of carbon nanotube-graphene nanoribbon hybrids. Journal of the Iranian Chemical Society, 2013, 10, 1239-1246.	2.2	9
19660	Modification of CNT and its effect on thermo mechanical, morphological as well as rheological properties of Polyether Imide (PEI)/Liquid Crystalline Polymer (LCP) blend system. Journal of Polymer Research, 2013, 20, 1.	2.4	14
19661	The effect of multi-walled carbon nanotubes on morphology, crystallinity and mechanical properties of PBT/MWCNT composite nanofibers. Journal of Polymer Research, 2013, 20, 1.	2.4	42
19662	Sorption of radiocobalt(II) onto MWCNTs: effects of solid content, contact time, pH, ionic strength, humic acid and temperature. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 2125-2133.	1.5	9
19663	Mixed matrix vanadium oxide catalytic nanocomposite membrane for styrene oxidation. Journal of Sol-Gel Science and Technology, 2013, 67, 221-235.	2.4	2
19664	Thermokinetics simulation for multi-walled carbon nanotubes with sodium alginate by advanced kinetics and technology solutions. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1603-1610.	3.6	16
19665	Effect of functionalized multiwall carbon nanotubes on the curing kinetics and reaction mechanism of bismaleimide-triazine. Journal of Thermal Analysis and Calorimetry, 2013, 114, 387-395.	3.6	14
19666	Buckling behavior of perfect and defective DWCNTs under axial, bending and torsional loadings via a structural mechanics approach. Meccanica, 2013, 48, 1959-1974.	2.0	16
19667	An accurate molecular mechanics model for computation of size-dependent elastic properties of armchair and zigzag single-walled carbon nanotubes. Meccanica, 2013, 48, 1355-1367.	2.0	31
19668	A modal analysis of carbon-nanotube-reinforced polymer by using a multiscale finite-element method. Mechanics of Composite Materials, 2013, 49, 325-332.	1.4	24
19669	Structures and energetics of organosilanes in the gaseous phase: a computational study. Theoretical Chemistry Accounts, 2013, 132, 1.	1.4	6

#	ARTICLE	IF	CITATIONS
19670	Statistical sampling of carbon nanotube populations by thermogravimetric analysis. Analytical and Bioanalytical Chemistry, 2013, 405, 8207-8213.	3.7	8
19671	Effect of laser radiation on multi-wall carbon nanotubes: study of shell structure and immobilization process. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	22
19672	Maturation and demise of human primary monocytes by carbon nanotubes. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	7
19673	Nanosafety by design: risks from nanocomposite/nanowaste combustion. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	44
19674	Decoration of cesium iodide nano particles on patterned carbon nanotube emitter arrays to improve their field emission. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	8
19675	Chaos in an embedded single-walled carbon nanotube. Nonlinear Dynamics, 2013, 72, 389-398.	5.2	53
19676	Development of carbon nanotubes reinforced hydroxyapatite composite coatings on titanium by electrodeposition method. Corrosion Science, 2013, 73, 321-330.	6.6	102
19677	Preparation of Pd nanoparticles deposited on a polyaniline/multiwall carbon nanotubes nanocomposite and their application in the Heck reaction. Reaction Kinetics, Mechanisms and Catalysis, 2013, 108, 193-204.	1.7	16
19678	Aryne Cycloaddition Reactions in the Synthesis of Large Polycyclic Aromatic Compounds. European Journal of Organic Chemistry, 2013, 2013, 5981-6013.	2.4	245
19679	Modelling carbon membranes for gas and isotope separation. Physical Chemistry Chemical Physics, 2013, 15, 4832.	2.8	95
19680	Adaptive, tolerant and efficient composite structures. Research Topics in Aerospace, 2013, , .	0.7	16
19681	Properties and Structural Studies of Multi-Wall Carbon Nanotubes-Phosphate Ester Hybrids. International Journal of Organic Chemistry, 2013, 03, 26-34.	0.7	2
19682	Application of Ritz functions in buckling analysis of embedded orthotropic circular and elliptical micro/nano-plates based on nonlocal elasticity theory. Meccanica, 2013, 48, 1337-1353.	2.0	34
19683	All-carbon field emission device by direct synthesis of graphene and carbon nanotube. Diamond and Related Materials, 2013, 31, 42-46.	3.9	27
19684	Covalent functionalization of multi-walled carbon nanotubes with quaternary ammonium groups and its application in ion chromatography. Carbon, 2013, 62, 127-134.	10.3	52
19685	Analysis of radial nonlocal effect on the structural response of carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 2154-2163.	2.1	6
19686	â€œInorganics-in-Organicsâ€™: recent developments and outlook for 4G polymer solar cells. Nanoscale, 2013, 5, 8411.	5.6	147
19687	Application of a 1â€benzylâ€4â€ferrocenylâ€1Hâ€[1,2,3]â€triazole/carbon nanotube modified glassy carbon electrode for voltammetric determination of hydrazine in water samples. Applied Organometallic Chemistry, 2013, 27, 444-450.	3.5	42

#	ARTICLE	IF	CITATIONS
19688	Synthesis and electrochemical applications of nitrogen-doped carbon nanomaterials. Nanotechnology Reviews, 2013, 2, 615-635.	5.8	58
19689	Determination of cadmium in tobacco by solid surface fluorescence using nylon membranes coated with carbon nanotubes. Talanta, 2013, 107, 61-66.	5.5	10
19690	Nonlinear nonlocal vibration of embedded DWCNT conveying fluid using shell model. Physica B: Condensed Matter, 2013, 410, 188-196.	2.7	22
19691	Light Propagation in High-Spin Organic Microtubes Self-Assembled from Shape Persistent Macrocycles Carrying Oxo-Verdazyl Biradicals. Advanced Materials, 2013, 25, 2963-2967.	21.0	65
19692	Wear and friction behavior of Al6061 alloy reinforced with carbon nanotubes. Wear, 2013, 297, 752-761.	3.1	142
19693	A theoretical study of the adsorption behavior of N ₂ O on single-walled AlN and AlP nanotubes. Superlattices and Microstructures, 2013, 58, 178-190.	3.1	16
19694	Giant Stretchability and Reversibility of Tightly Wound Helical Carbon Nanotubes. Journal of the American Chemical Society, 2013, 135, 13775-13785.	13.7	62
19695	Multi-parametric reference nanomaterials for toxicology: state of the art, future challenges and potential candidates. RSC Advances, 2013, 3, 18202.	3.6	32
19696	O/W Emulsions. , 2013, , 2467-2467.		0
19697	How physico-chemical characteristics of nanoparticles cause their toxicity: complex and unresolved interrelations. Environmental Sciences: Processes and Impacts, 2013, 15, 23-38.	3.5	113
19698	Single-walled carbon nanotube (SWCNT) modified gold (Au) electrode for simultaneous determination of plutonium and uranium. RSC Advances, 2013, 3, 13491.	3.6	16
19699	The preparation of cation-functionalized multi-wall carbon nanotube/sulfonated polyurethane composites. Carbon, 2013, 54, 133-142.	10.3	19
19700	A fluorescence study for the critical behavior of polymethylmethacrylate doped by multiwalled carbon nanotube (PMMA-MWNT) composite bulk gel systems. Applied Physics A: Materials Science and Processing, 2013, 111, 959-964.	2.3	2
19701	The effects of Pulsed Green Laser Annealing for Carbon NanoWalls (CNWs). Materials Research Society Symposia Proceedings, 2013, 1505, 1.	0.1	1
19702	Endowing carbon nanotubes with biological and biomedical properties by chemical modifications. Advanced Drug Delivery Reviews, 2013, 65, 1899-1920.	13.7	206
19703	Interesting properties of ferroelectric Pb(Zr _{0.5} Ti _{0.5})O ₃ nanotube array embedded in matrix medium. Journal of Applied Physics, 2013, 114, 044105.	2.5	3
19704	Polymer/carbon based composites as electromagnetic interference (EMI) shielding materials. Materials Science and Engineering Reports, 2013, 74, 211-232.	31.8	975
19705	Carbon nanomaterial based electrochemical sensors for biogenic amines. Mikrochimica Acta, 2013, 180, 935-956.	5.0	72

#	ARTICLE	IF	CITATIONS
19706	Electrical conductivity and microwave absorption of shortened multi-walled carbon nanotube/alumina ceramic composites. <i>Ceramics International</i> , 2013, 39, 5979-5983.	4.8	63
19707	Microwave-assisted poly(glycidyl methacrylate)-functionalized multiwall carbon nanotubes with a "tendrillar"™ nanofibrous polyaniline wrapping and their interaction at bio-interface. <i>Carbon</i> , 2013, 55, 34-43.	10.3	15
19708	Preparation and Characterization of Polycarbonate-Blend-Raw/Functionalized Multi-Walled Carbon Nano Tubes Mixed Matrix Membrane for CO ₂ Separation. <i>Separation Science and Technology</i> , 2013, 48, 1261-1271.	2.5	35
19709	Ultrafast Response Humidity Sensor Based on Electrospun Porous BaTiO ₃ Nanofibers. <i>Applied Mechanics and Materials</i> , 2013, 319, 43-48.	0.2	2
19710	Concentration detection of carbon nanotubes in electrophoretic suspension with UV-vis spectrophotometry for application in field emission devices. <i>Applied Surface Science</i> , 2013, 284, 107-112.	6.1	10
19711	Kinetic and Thermodynamic Studies of the Adsorption of Several Anionic Dyes From Water Samples on Magnetite-Modified Multi-Walled Carbon Nanotubes. <i>Separation Science and Technology</i> , 2013, 48, 2638-2648.	2.5	12
19712	Tuning the electronic properties of C30B15N15 fullerene via encapsulation of alkali and alkali earth metals. <i>Synthetic Metals</i> , 2013, 177, 94-99.	3.9	37
19713	Dynamic mechanism of HIV replication inhibitor peptide encapsulated into carbon nanotubes. <i>Current Applied Physics</i> , 2013, 13, 1001-1007.	2.4	10
19715	Nano-particle modified stationary phases for high-performance liquid chromatography. <i>Analyst</i> , The, 2013, 138, 4229.	3.5	65
19716	Future Trends in Production Engineering. , 2013, , .		8
19717	Efficient Modeling of NMR Parameters in Carbon Nanosystems. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 4275-4286.	5.3	33
19718	Carbon nanotubes as optical biomedical sensors. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1933-1950.	13.7	324
19719	Doping carbons beyond nitrogen: an overview of advanced heteroatom doped carbons with boron, sulphur and phosphorus for energy applications. <i>Energy and Environmental Science</i> , 2013, 6, 2839.	30.8	1,585
19720	Vanadium oxide nanotubes VOx-NTs: Hydrothermal synthesis, characterization, electrical study and dielectric properties. <i>Journal of Solid State Chemistry</i> , 2013, 201, 237-243.	2.9	20
19721	Enhancement of thermal and mechanical properties of flexible graphene oxide/carbon nanotube hybrid films though direct covalent bonding. <i>Journal of Materials Science</i> , 2013, 48, 7011-7021.	3.7	14
19722	Carbon Nanotubes: An Example of Multiscale Development—A Mechanistic View from the Subnanometer to the Meter Scale. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9372-9387.	13.8	38
19723	DNA Nanotechnology. , 2013, , .		5
19724	Robocasting nanocomposite scaffolds of poly(caprolactone)/hydroxyapatite incorporating modified carbon nanotubes for hard tissue reconstruction. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 1670-1681.	4.0	62

#	ARTICLE	IF	CITATIONS
19725	The improved thermal oxidative stability of silicone rubber by using iron oxide and carbon nanotubes as thermal resistant additives. <i>Composites Science and Technology</i> , 2013, 76, 52-60.	7.8	44
19726	Evidence of Diamond Nanowires Formed inside Carbon Nanotubes from Diamantane Dicarboxylic Acid. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3717-3721.	13.8	71
19727	Controllable fabrication and electromechanical characterization of electrophoresis assembled single-walled carbon nanotube-polymer film transducers. <i>Microsystem Technologies</i> , 2013, 19, 1041-1047.	2.0	1
19728	A DFT study on electronic structure and local reactivity descriptors of pristine and carbon-substituted AlN nanotubes. <i>Canadian Journal of Chemistry</i> , 2013, 91, 711-717.	1.1	3
19729	Influence of wrapping on some properties of MWCNTs/PMMA and MWCNTs/PE composites. <i>Polymer Bulletin</i> , 2013, 70, 1919-1936.	3.3	8
19730	Electrochemical hydrogen evolution of multi-walled carbon nanotube/micro-hybrid composite decorated with Ni nanoparticles as catalyst through electroless deposition process. <i>Materials Science and Engineering C</i> , 2013, 33, 3173-3179.	7.3	2
19731	Novel solid-phase extractor based on functionalization of multi-walled carbon nano tubes with 5-aminosalicylic acid for preconcentration of Pb(II) in water samples prior to determination by ICP-OES. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 10269-10280.	2.7	20
19732	H ₂ O ₂ adsorption on the BN and SiC nanotubes: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 48, 176-180.	2.7	114
19733	A strategy for efficient immobilization of laccase and horseradish peroxidase on single-walled carbon nanotubes. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 2227-2232.	3.2	22
19734	The capacitive deionization behaviour of a carbon nanotube and reduced graphene oxide composite. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6335.	10.3	154
19735	Simultaneous determination of Co, Fe, Ni and Pb in carbon nanotubes by means of solid sampling high-resolution continuum source graphite furnace atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 657.	3.0	49
19736	Application of carbon nano-materials in desalination processes. <i>Desalination and Water Treatment</i> , 2013, 51, 627-636.	1.0	28
19737	The Role of Carbon Nanotubes in Enhancement of Photocatalysis. , 0, , .		18
19738	Enhanced photocatalytic activity of bismuth-doped TiO ₂ nanotubes under direct sunlight irradiation for degradation of Rhodamine B dye. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	135
19739	C ₄ Carbon allotropes with triple-bonds predicted by first-principles calculations. <i>Solid State Communications</i> , 2013, 169, 50-56.	1.9	9
19740	The Si, Ge, Sn, Pb doped (6,3) Chiral single-walled carbon nanotubes: A computational study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 226-232.	2.7	6
19741	Ultrasonic-assisted spark plasma discharge for gold nanoparticles synthesis. <i>Radiation Effects and Defects in Solids</i> , 2013, 168, 881-891.	1.2	16
19742	A grossly warped nanographene and the consequences of multiple odd-membered-ring defects. <i>Nature Chemistry</i> , 2013, 5, 739-744.	13.6	548

#	ARTICLE	IF	CITATIONS
19743	Vibration analysis of double wall carbon nanotube based resonators for zeptogram level mass recognition. Computational Materials Science, 2013, 79, 230-238.	3.0	35
19744	Evaluation of Purification of Carbon Nanotubes by Air. Advanced Materials Research, 2013, 710, 191-194.	0.3	0
19745	Templated one-step catalytic fabrication of uniform diameter Mg _x By nanostructures. Journal of Materials Chemistry C, 2013, 1, 2568.	5.5	2
19746	Sonochemical effect on size reduction of CaCO ₃ nanoparticles derived from waste eggshells. Ultrasonics Sonochemistry, 2013, 20, 1308-1315.	8.2	68
19747	Quantum rainbow channeling of positrons in very short carbon nanotubes. Physical Review A, 2013, 88, .	2.5	14
19748	Strengthening behavior of chopped multi-walled carbon nanotube reinforced aluminum matrix composites. Materials Characterization, 2013, 83, 170-177.	4.4	38
19749	Preparation, structural diversity and characterization of a family of Cd(ii)â€œorganic frameworks. Dalton Transactions, 2013, 42, 12468.	3.3	15
19750	New approaches to the development of hybrid nanocomposites: from structural materials to high-tech applications. Russian Chemical Reviews, 2013, 82, 303-332.	6.5	96
19751	Enhancement of the solubility, thermal stability, and electronic properties of carbon nanotubes functionalized with MEH-PPV: a combined experimental and computational study. Monatshefte für Chemie, 2013, 144, 925-935.	1.8	9
19752	First-principles calculations of the Young's modulus of double wall boron-nitride nanotubes. Materials Chemistry and Physics, 2013, 138, 963-966.	4.0	18
19753	Rapid oxidative activation of carbon nanotube yarn and sheet by a radio frequency, atmospheric pressure, helium and oxygen plasma. Carbon, 2013, 57, 11-21.	10.3	25
19754	Detection of gas atoms with carbon nanotubes. Scientific Reports, 2013, 3, .	3.3	63
19755	CHIRAL CARBON NANOTUBES AND CARBON NANOTUBE CHIRAL COMPOSITES: PREPARATION AND APPLICATIONS. Nano, 2013, 08, 1330002.	1.0	18
19756	Magnetic (nano)materials as an useful tool for sample preparation in analytical methods. A review. Analytical Methods, 2013, 5, 4558.	2.7	98
19757	Shear thickening behavior of nanoparticle suspensions with carbon nanofillers. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	54
19758	Oxidized multiwalled carbon nanotubes for improving the electrocatalytic activity of a Schiff base modified electrode in determination of isoprenaline. Journal of Electroanalytical Chemistry, 2013, 705, 75-80.	3.8	28
19759	Structure of multi-wall carbon nanotubes: AAâ€² stacked graphene helices. Applied Physics Letters, 2013, 102, 161911.	3.3	9
19760	Performance analysis of multiwalled carbon nanotube bundles. , 2013, , .		9

#	ARTICLE	IF	CITATIONS
19761	Implication of electrodeposition parameters on the architecture behavior of MWCNT “ incorporated metal matrix. <i>Applied Surface Science</i> , 2013, 284, 270-277.	6.1	11
19762	Dye-sensitized solar cells based on anatase TiO ₂ /multi-walled carbon nanotubes composite nanofibers photoanode. <i>Electrochimica Acta</i> , 2013, 87, 651-656.	5.2	60
19763	Facile synthesis of palladium nanoparticles supported on multi-walled carbon nanotube for efficient hydrogenation of biomass-derived levulinic acid. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	38
19764	Nonlocal mass nanosensors based on vibrating monolayer graphene sheets. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 1319-1327.	7.8	62
19765	Hydrothermal process synthesized electrocatalytic multi-walled carbon nanotubes-inserted gold composite microparticles toward ethanol oxidation reaction. <i>Journal of Applied Electrochemistry</i> , 2013, 43, 567-574.	2.9	11
19766	Voltammetric determination of theophylline in pharmaceutical formulations using aligned carbon nanotubes (ACNTs) film modified electrode. <i>Journal of Analytical Chemistry</i> , 2013, 68, 694-699.	0.9	14
19767	Nickel hexacyanoferrate nanoparticles/nano silver coated multiwalled carbon nanotubes nanocomposite for the detection of hydrogen peroxide. <i>Journal of Analytical Chemistry</i> , 2013, 68, 307-312.	0.9	5
19768	Effect of sudden initiation and temperature on growth and diameter of carbon nanotubes synthesized by CVD method. <i>Indian Journal of Physics</i> , 2013, 87, 425-430.	1.8	4
19769	Effect of precursor morphology on the hydrothermal synthesis of nanostructured potassium tungsten oxide. <i>Microelectronic Engineering</i> , 2013, 108, 182-186.	2.4	8
19770	Label-Free Detection of Hemoglobin Using MWNT-Embedded Screen-Printed Electrode. <i>BioNanoScience</i> , 2013, 3, 223-231.	3.5	5
19771	Time-dependent quantum transport theory from non-equilibrium Green’s function approach. <i>Journal of Computational Electronics</i> , 2013, 12, 343-355.	2.5	12
19772	Carbon NanoTubes as suitable platform to signals recording of cardiac cells interfaced to metal microelectrodes: a modeling approach. <i>Journal of Computational Electronics</i> , 2013, 12, 43-49.	2.5	2
19773	Nitrogen plasma functionalization of carbon nanotubes for supercapacitor applications. <i>Journal of Materials Science</i> , 2013, 48, 7620-7628.	3.7	79
19774	Fabrication and mechanical properties of $\text{P}^2\text{-sialon}/\text{Fe x Si y}$ “CNTs composites. <i>Journal of Materials Science</i> , 2013, 48, 6673-6681.	3.7	8
19775	Electric heating films based on m-aramid nanocomposites containing hybrid fillers of graphene and carbon nanotube. <i>Journal of Materials Science</i> , 2013, 48, 4041-4049.	3.7	18
19776	Fabrication of alizarin red S/multi-walled carbon nanotube nanocomposites and their application in hydrogen peroxide detection. <i>Journal of Materials Science</i> , 2013, 48, 3422-3427.	3.7	9
19777	Modeling the effective elastic properties of nanocomposites with circular straight CNT fibers reinforced in the epoxy matrix. <i>Journal of Materials Science</i> , 2013, 48, 3160-3172.	3.7	9
19778	Review: Tribological behavior of polyethylene-based nanocomposites. <i>Journal of Materials Science</i> , 2013, 48, 578-597.	3.7	24

#	ARTICLE	IF	CITATIONS
19779	pH sensing characteristics of multiwall carbon nanotubes/In ₂ O ₃ composite films treatment by O ₂ plasma using microwave CVD. Journal of Materials Science: Materials in Electronics, 2013, 24, 3668-3674.	2.2	0
19780	Development of a lead-free composite solder from Sn–Ag–Cu and Ag-coated carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2013, 24, 3707-3715.	2.2	29
19781	Effect of substrate and catalyst on the transformation of carbon black into nanotubes. Journal of Materials Science: Materials in Electronics, 2013, 24, 3231-3239.	2.2	3
19782	Multi-walled carbon nanotubes-supported Fe(naph) ₃ nanoparticles to prepare polyacetylene/multi-walled carbon nanotubes nanocomposites. Journal of Materials Science: Materials in Electronics, 2013, 24, 2357-2361.	2.2	4
19783	Voltammetric determination of ascorbic acid in the presence of acetaminophen and tryptophan using an improved carbon nanotube paste electrode. Chinese Journal of Catalysis, 2013, 34, 1098-1104.	14.0	14
19784	Detection of lead(II) using an glassy carbon electrode modified with Nafion, carbon nanotubes and benzo-18-crown-6. Mikrochimica Acta, 2013, 180, 1065-1071.	5.0	38
19785	Aligned carbon nanotubes: from controlled synthesis to electronic applications. Nanoscale, 2013, 5, 9483.	5.6	50
19786	Finite element analysis of CNTs based on nonlocal elasticity and Timoshenko beam theory including thermal effect. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 53, 223-232.	2.7	44
19787	Determination of methotrexate and folic acid by ion chromatography with electrochemical detection on a functionalized multi-wall carbon nanotube modified electrode. Journal of Chromatography A, 2013, 1283, 62-67.	3.7	46
19788	Vertically aligned smooth ZnO nanorod films for planar device applications. Journal of Materials Chemistry C, 2013, 1, 2525.	5.5	13
19789	Carbon nanotubes and 4-((E)-(2-methyl-4-nitrophenylimino) methyl) benzene-1,2-diol) modified glassy carbon electrode as a new electrocatalyst for oxidation of levodopa. Catalysis Science and Technology, 2013, 3, 2634.	4.1	1
19790	Synthesis of CuO nano/micro-crystals with controlled dimensionality and morphology and their electrochemical properties. CrystEngComm, 2013, 15, 6690.	2.6	12
19791	Multi-walled carbon nanotubes immobilized on zero-valent iron plates (Fe ⁰ -CNTs) for catalytic ozonation of methylene blue as model compound in a bubbling reactor. Separation and Purification Technology, 2013, 116, 351-359.	7.9	41
19792	Intensified internal electrolysis for degradation of methylene blue as model compound induced by a novel hybrid material: Multi-walled carbon nanotubes immobilized on zero-valent iron plates (Fe ⁰ -CNTs). Chemical Engineering Journal, 2013, 217, 99-107.	12.7	48
19793	Nanomaterials for bio-functionalized electrodes: recent trends. Journal of Materials Chemistry B, 2013, 1, 4878.	5.8	302
19794	Effervescence-assisted carbon nanotubes dispersion for the micro-solid-phase extraction of triazine herbicides from environmental waters. Analytical and Bioanalytical Chemistry, 2013, 405, 3269-3277.	3.7	66
19795	Multi-walled carbon nanotube-impregnated agarose film microextraction of polycyclic aromatic hydrocarbons in green tea beverage. Talanta, 2013, 106, 200-205.	5.5	48
19796	Atomic Oxygen Chemisorption on Carbon Nanotubes Revisited with Theory and Experiment. Journal of Physical Chemistry C, 2013, 117, 1948-1954.	3.1	8

#	ARTICLE	IF	CITATIONS
19797	Preparation and properties of MoSi ₂ based composites reinforced by carbon nanotubes. <i>Ceramics International</i> , 2013, 39, 7401-7405.	4.8	8
19798	Heterogenization of Homogeneous Catalysts on Carbon Materials. , 2013, , 55-78.		13
19799	Electrochemical sensor for selective determination of N-acetylcysteine in the presence of folic acid using a modified carbon nanotube paste electrode. <i>Materials Science and Engineering C</i> , 2013, 33, 1078-1084.	7.3	16
19800	Corrugation-induced metal-semiconductor transition in single-wall carbon nanotubes with a small radius. <i>Physical Review B</i> , 2013, 88, .	3.2	9
19801	Synthesis of Vertically Aligned Carbon Nanotubes by CVD Technique: A Review. <i>Carbon Nanostructures</i> , 2013, , 113-124.	0.1	2
19802	Ultrastrong, Stiff and Multifunctional Carbon Nanotube Composites. <i>Materials Research Letters</i> , 2013, 1, 19-25.	8.7	130
19803	Tribological properties of carbon nanotube-reinforced composites. , 2013, , 353-386.		0
19804	Multiscale Fracture in Peeling of Highly Oriented Pyrolytic Graphite. <i>Key Engineering Materials</i> , 0, 560, 71-86.	0.4	1
19806	Selective and sensitive voltammetric sensor based on modified multiwall carbon nanotubes paste electrode for simultaneous determination of l-cysteine and folic acid. <i>Ionics</i> , 2013, 19, 933-940.	2.4	26
19808	Application potential of carbon nanotubes in water treatment: A review. <i>Journal of Environmental Sciences</i> , 2013, 25, 1263-1280.	6.1	280
19809	Energy absorption characteristics of single-walled carbon nanotubes. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 249-255.	1.0	0
19810	Mechanical and morphological properties of highly dispersed carbon nanotubes reinforced cement based materials. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 82-87.	1.0	24
19811	Functionalization of carboxylated multi-wall carbon nanotubes with 3,5-diphenyl pyrazole and an investigation of their toxicity. <i>New Carbon Materials</i> , 2013, 28, 199-207.	6.1	18
19812	System-based identification of toxicity pathways associated with multi-walled carbon nanotube-induced pathological responses. <i>Toxicology and Applied Pharmacology</i> , 2013, 272, 476-489.	2.8	55
19813	Electrical conductivities of carbon powder nanofillers and their latex-based polymer composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 53, 145-151.	7.6	45
19814	Manufactured Nanomaterials: The Connection Between Environmental Fate and Toxicity. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 2581-2616.	12.8	18
19815	Universal dispersion of single-walled carbon nanotubes in the liquid phase inspired by Maya Blue. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10626.	10.3	9
19816	SR XRF study of natural micro- and nanostructured carbon from igneous rocks. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2013, 77, 203-206.	0.6	4

#	ARTICLE	IF	CITATIONS
19817	Bomb calorimetry as a bulk characterization tool for carbon nanostructures. Carbon, 2013, 63, 324-329.	10.3	21
19818	Multifunctional CNTs nanohybrids decorated with magnetic and fluorescent nanoparticles layer-by-layer. Bulletin of Materials Science, 2013, 36, 373-383.	1.7	8
19819	Carbon nanotubes purification constrains due to large Fe-Ni/Al ₂ O ₃ catalyst particles encapsulation. Bulletin of Materials Science, 2013, 36, 1-7.	1.7	17
19820	Diagnostics of carbon arc plasma under formation of carbon-encapsulated iron nanoparticles by optical emission and absorption spectroscopy. Journal Physics D: Applied Physics, 2013, 46, 355501.	2.8	5
19821	Synthesis of dark brown single-walled carbon nanotubes and their characterization by HSQC-NMR. Journal of Chemical Sciences, 2013, 125, 431-436.	1.5	4
19822	Selective voltammetric determination of norepinephrine in the presence of acetaminophen and tryptophan on the surface of a modified carbon nanotube paste electrode. Materials Science and Engineering C, 2013, 33, 3214-3219.	7.3	82
19823	Carbon Nanotube-Ionic Liquid (CNT-IL) Nanocomposite Modified Sol-Gel Derived Carbon-Ceramic Electrode for Simultaneous Determination of Sunset Yellow and Tartrazine in Food Samples. Food Analytical Methods, 2013, 6, 1388-1397.	2.6	89
19824	Joining STS304L sheets by using nano-adhesives. Journal of Mechanical Science and Technology, 2013, 27, 1943-1947.	1.5	11
19825	A novel method for well-organized polystyrene-grafted multi-walled carbon nanotube bundles via self-assembly in tetrahydrofuran. Fibers and Polymers, 2013, 14, 1073-1081.	2.1	2
19826	Development and characterization of MWNTs/Chitosan biocomposite fiber. Fibers and Polymers, 2013, 14, 236-242.	2.1	5
19827	Application of horseradish peroxidase/polyaniline/bis(2-aminoethyl) polyethylene glycol-functionalized carbon nanotube composite as a platform for hydrogen peroxide detection with high sensitivity at low potential. Journal of Solid State Electrochemistry, 2013, 17, 2795-2804.	2.5	19
19828	Oxidation Mechanism of Nickel Oxide/Carbon Nanotube Composite. Microscopy and Microanalysis, 2013, 19, 202-206.	0.4	7
19829	Simulation of Rotary Motion Generated by Head-to-Head Carbon Nanotube Shuttles. IEEE/ASME Transactions on Mechatronics, 2013, 18, 130-137.	5.8	23
19830	Dispersion of multi-walled carbon nanotube using soluble polysilsesquioxane containing alkylammonium side chains and Iodide counterions. Polymer, 2013, 54, 5643-5647.	3.8	15
19831	Characterization and thermal degradation of poly(lactide-glycolide) composites with nanofillers. Polymer Engineering and Science, 2013, 53, 1414-1429.	3.1	29
19832	Gemcitabine-loaded smart carbon nanotubes for effective targeting to cancer cells. Journal of Drug Targeting, 2013, 21, 581-592.	4.4	59
19833	Simultaneous determination of diclofenac and indomethacin using a sensitive electrochemical sensor based on multiwalled carbon nanotube and ionic liquid nanocomposite. Journal of Applied Electrochemistry, 2013, 43, 1217-1224.	2.9	57
19834	On the van der Waals interaction of carbon nanotubes as electromechanical nanothermometers. Acta Mechanica Sinica/Lixue Xuebao, 2013, 29, 622-632.	3.4	4

#	ARTICLE	IF	CITATIONS
19835	Thermoelectric Transport in Graphyne Nanotubes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19740-19745.	3.1	54
19836	Review of Field Emission from Carbon Nanotubes: Highlighting Measuring Energy Spread. <i>Carbon Nanostructures</i> , 2013, , 1-32.	0.1	21
19837	Compressive relaxation of the stress and resistance for carbon nanotube filled silicone rubber composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 47, 63-71.	7.6	43
19838	In situ growth of positively-charged gold nanoparticles on single-walled carbon nanotubes as a highly active peroxidase mimetic and its application in biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 43, 205-210.	10.1	65
19839	Carbon Nanotubes Deagglomeration in Aqueous Solutions. <i>Springer Proceedings in Physics</i> , 2013, , 61-72.	0.2	4
19840	Combination of carbon nanotube reinforced hollow fiber membrane microextraction with gas chromatography-mass spectrometry for extraction and determination of some nitroaromatic explosives in environmental water. <i>Analytical Methods</i> , 2013, 5, 1474.	2.7	25
19841	Strong Metal-Support Interaction: Growth of Individual Carbon Nanofibers from Amorphous Carbon Interacting with an Electron Beam. <i>ChemCatChem</i> , 2013, 5, 2591-2594.	3.7	11
19842	Electronic properties of functionalized (5,5) beryllium oxide nanotubes. <i>Journal of Molecular Graphics and Modelling</i> , 2013, 42, 115-119.	2.4	15
19843	Optical properties of BeO nanotubes: Ab initio study. <i>Solid State Communications</i> , 2013, 156, 1-7.	1.9	30
19844	Multiwalled Carbon Nanotube Deposition on Model Environmental Surfaces. <i>Environmental Science & Technology</i> , 2013, 47, 10372-10380.	10.0	54
19845	Laser radiation frequency conversion in carbon- and cluster-containing plasma plumes under conditions of single and two-color pumping by pulses with a 10-Hz repetition rate. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2013, 115, 94-105.	0.6	4
19846	Large-Scale Fabrication of Free-Standing, Micropatterned Silica Nanotubes Via a Hybrid Hydrogel-Templated Route. <i>Advanced Healthcare Materials</i> , 2013, 2, 1091-1095.	7.6	5
19847	Preparation of novel electrochemical glucose biosensors for whole blood based on antibiofouling polyurethane-heparin nanoparticles. <i>Electrochimica Acta</i> , 2013, 97, 349-356.	5.2	23
19848	Axial buckling behavior of wavy carbon nanotubes: A molecular mechanics study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 308-312.	2.7	10
19849	Carbon nanotubes for delivery of small molecule drugs. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1964-2015.	13.7	498
19850	A NUMERICAL INVESTIGATION ON THE FREE VIBRATION OF CARBON NANOPEAPODS AS VARIABLE FREQUENCY BEAM RESONATORS. <i>Modern Physics Letters B</i> , 2013, 27, 1350147.	1.9	1
19852	Microinjection molding of microsystem components: new aspects in improving performance. <i>Journal of Micromechanics and Microengineering</i> , 2013, 23, 093001.	2.6	88
19853	Mechanochemically driven solid-state Diels-Alder reaction of graphite into graphene nanoplatelets. <i>Chemical Science</i> , 2013, 4, 4273.	7.4	49

#	ARTICLE	IF	CITATIONS
19854	Mechanical properties of graphene platelet-reinforced alumina ceramic composites. <i>Ceramics International</i> , 2013, 39, 6215-6221.	4.8	307
19856	Scaling Navier-Stokes equation in nanotubes. <i>Physics of Fluids</i> , 2013, 25, .	4.0	27
19857	Enhanced rate capabilities of Co ₃ O ₄ /carbon nanotube anodes for lithium ion battery applications. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11121.	10.3	50
19858	Adsorption of natural organic matter analogues by multi-walled carbon nanotubes: Comparison with powdered activated carbon. <i>Chemical Engineering Journal</i> , 2013, 219, 450-458.	12.7	69
19859	Low-temperature plasma synthesis of carbon nanotubes and graphene based materials and their fuel cell applications. <i>Chemical Society Reviews</i> , 2013, 42, 8821.	38.1	158
19860	Orthorhombic C32: a novel superhard sp ³ carbon allotrope. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14120.	2.8	62
19862	Self-Assembled Carbon Nanotube Honeycomb Networks Using a Butterfly Wing Template as a Multifunctional Nanobiohybrid. <i>ACS Nano</i> , 2013, 7, 8736-8742.	14.6	40
19863	Physics of ultra-short laser interaction with matter: From phonon excitation to ultimate transformations. <i>Progress in Quantum Electronics</i> , 2013, 37, 215-323.	7.0	130
19864	Recent progress in interfacial toughening and damage self-healing of polymer composites based on electrospun and solution-blown nanofibers: An overview. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2225-2237.	2.6	79
19865	Genotoxicity and carcinogenicity risk of carbon nanotubes. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 2098-2110.	13.7	103
19866	Fluorination of BC ₃ nanotubes: DFT studies. <i>Journal of Molecular Modeling</i> , 2013, 19, 3941-3946.	1.8	23
19868	Targeting colorectal cancer cells with single-walled carbon nanotubes conjugated to anticancer agent SN-38 and EGFR antibody. <i>Biomaterials</i> , 2013, 34, 8756-8765.	11.4	85
19869	Visible-light photoelectrocatalytic degradation of rhodamine B over planar devices using a multi-walled carbon Nanotube-TiO ₂ composite. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 480-484.	4.0	12
19870	Adsorption of Chlorobenzene onto (5,5) Armchair Single-Walled Carbon Nanotube and Graphene Sheet: Toxicity versus Adsorption Strength. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21217-21227.	3.1	39
19871	Working Mechanism of a BC ₃ Nanotube Carbon Monoxide Gas Sensor. <i>Communications in Theoretical Physics</i> , 2013, 60, 113-118.	2.5	24
19872	A Novel Avenue to Gold Nanostructured Microtubes Using Functionalized Fiber as the Ligand, the Reductant, and the Template. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 8761-8765.	8.0	14
19873	Thermo-mechanical properties of MWCNT-g-poly (l-lactide)/poly (l-lactide) nanocomposites. <i>Polymer Bulletin</i> , 2013, 70, 2741-2754.	3.3	14
19874	Carbon nanocone as an ammonia sensor: DFT studies. <i>Structural Chemistry</i> , 2013, 24, 1099-1103.	2.0	71

#	ARTICLE	IF	CITATIONS
19875	Ab initio study of NH ₃ and H ₂ O adsorption on pristine and Na-doped MgO nanotubes. Structural Chemistry, 2013, 24, 165-170.	2.0	80
19876	Optical properties of SiC nanocages: ab initio study. Applied Physics A: Materials Science and Processing, 2013, 113, 105-113.	2.3	19
19877	High on/off current ratio in ballistic CNTFETs based on tuning the gate insulator parameters for different ambient temperatures. Applied Physics A: Materials Science and Processing, 2013, 113, 447-457.	2.3	20
19878	Prediction of compressive post-buckling behavior of single-walled carbon nanotubes in thermal environments. Applied Physics A: Materials Science and Processing, 2013, 113, 145-153.	2.3	11
19879	Comparison of modification of electronic properties of single-walled carbon nanotubes filled with metal halogenide, chalcogenide, and pure metal. Applied Physics A: Materials Science and Processing, 2013, 112, 297-304.	2.3	38
19880	Anomalous magnetic behavior of La _{0.6} Sr _{0.4} MnO ₃ nano-tubes constituted with 3–12 nm particles. Applied Physics A: Materials Science and Processing, 2013, 111, 605-612.	2.3	15
19881	DFT studies of Si- and Al-doping effects on the acetone sensing properties of BC ₃ graphene. Molecular Physics, 2013, 111, 3320-3326.	1.7	77
19882	Amphiphilicity and self-assembly of multi-walled carbon nanotubes grafted with polystyrene in different molecular weight. Colloid and Polymer Science, 2013, 291, 2619-2630.	2.1	0
19883	Self-assembly and chemical processing of block copolymers: A roadmap towards a diverse array of block copolymer nanostructures. Science China Chemistry, 2013, 56, 1040-1066.	8.2	15
19884	Field-emission energy distribution of BN-coated carbon nanotubes. Journal of the Korean Physical Society, 2013, 62, 1354-1357.	0.7	1
19885	A review on electronic and optical properties of silicon nanowire and its different growth techniques. SpringerPlus, 2013, 2, 151.	1.2	74
19886	Effect of the ratio of catalyst to carbon source on the growth of vertically aligned carbon nanotubes on nanostructured porous silicon templates. International Journal of Industrial Chemistry, 2013, 4, 23.	3.1	11
19887	Finite element formulation for the free vibration analysis of embedded double-walled carbon nanotubes based on nonlocal Timoshenko beam theory. Journal of Theoretical and Applied Physics, 2013, 7, 6.	1.4	18
19888	Self-assembly and chemical processing of block copolymers: a roadmap towards a diverse array of block copolymer nanostructures. Science China Life Sciences, 2013, , 1.	4.9	2
19889	Synthesis of clay-CNTs nanocomposite. Journal of Nanostructure in Chemistry, 2013, 3, 1.	9.1	23
19890	Investigation of a QM/MM study on interaction of a carbon nanotube with cytarabine drug in various solvents and temperatures. Journal of Nanostructure in Chemistry, 2013, 3, 1.	9.1	4
19891	Mechanical properties of multi-walled carbon nanotube/polyester nanocomposites. Journal of Nanostructure in Chemistry, 2013, 3, 1.	9.1	66
19892	Carbon-based spintronics. Science China: Physics, Mechanics and Astronomy, 2013, 56, 207-221.	5.1	20

#	ARTICLE	IF	CITATIONS
19893	Continuous adsorption of natural organic matters in a column packed with carbon nanotubes. Journal of Environmental Health Science & Engineering, 2013, 11, 14.	3.0	19
19894	Preparation of a new adsorbent from activated carbon and carbon nanofiber (AC/CNF) for manufacturing organic-vacbpour respirator cartridge. Iranian Journal of Environmental Health Science & Engineering, 2013, 10, 15.	1.8	23
19895	Preparation and characterization of Lepidocrocite titanate nanofibers. Chemical Research in Chinese Universities, 2013, 29, 193-195.	2.6	2
19896	Mechanical testing and modelling of a vertically aligned carbon nanotube composite structure. Composites Science and Technology, 2013, 77, 1-7.	7.8	16
19897	Adsorption and electronic structure study of thiazole on the (6,0) zigzag single-walled boron phosphide nanotube. Journal of Sulfur Chemistry, 2013, 34, 407-420.	2.0	11
19898	Synthesis of Highly Water-Dispersible Polydopamine-Modified Multiwalled Carbon Nanotubes for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Analysis. ACS Applied Materials & Interfaces, 2013, 5, 7770-7776.	8.0	97
19899	Surface Nanoarchitecture for Bioâ€Applications: Selfâ€Regulating Intelligent Interfaces. Advanced Functional Materials, 2013, 23, 4483-4506.	14.9	79
19900	VERY HIGH HYDROGEN STORAGE CAPACITY OF AL-ADSORBED SINGLE-WALLED CARBON NANOTUBE (SWCNT): MULTI-LAYERED STRUCTURE OF HYDROGEN MOLECULES. International Journal of Modern Physics B, 2013, 27, 1350061.	2.0	4
19901	Pseudocapacitance and performance stability of quinone-coated carbon onions. Nano Energy, 2013, 2, 702-712.	16.0	135
19902	Adsorption Properties. , 2013, , 25-44.		8
19903	Evaluation of Residual Iron of Carbon Nanotubes Treated by Acid. Applied Mechanics and Materials, 2013, 389, 277-280.	0.2	0
19904	Effects of Geometry and Symmetry on Electron Transport through Grapheneâ€Carbon-Chain Junctions. Journal of Physical Chemistry C, 2013, 117, 18845-18850.	3.1	21
19906	Environmental monitoring of complex hydrocarbon mixtures in water and soil samples after solid phase microextraction using PVC/MWCNTs nanocomposite fiber. Chemosphere, 2013, 93, 1920-1926.	8.2	17
19907	Nanotubes and Peapods. , 2013, , 925-940.		0
19908	Electrospinning direct preparation of SnO2/Fe2O3 heterojunction nanotubes as an efficient visible-light photocatalyst. Journal of Alloys and Compounds, 2013, 575, 333-338.	5.5	80
19909	Melt Infiltration: an Emerging Technique for the Preparation of Novel Functional Nanostructured Materials. Advanced Materials, 2013, 25, 6672-6690.	21.0	120
19910	Collecting the Electrons on nâ€Doped Fullerene C₆₀ Transparent Conductors for Allâ€Vacuumâ€Deposited Smallâ€Molecule Organic Solar Cells. Advanced Energy Materials, 2013, 3, 1551-1556.	19.5	16
19911	Structure and photocatalysis activity of silver doped titanium oxide nanotubes array for degradation of pollutants. Superlattices and Microstructures, 2013, 62, 285-291.	3.1	13

#	ARTICLE	IF	CITATIONS
19912	Electrochemical behavior of dopamine at a [1,1'-binaphthalene]-4,4'-diol-modified carbon nanotube paste electrode and the simultaneous determination of dopamine, folic acid and uric acid. <i>Analytical Methods</i> , 2013, 5, 6982.	2.7	10
19913	Nanochannel morphology of polypyrrole-ZnO nanocomposites towards dye sensitized solar cell application. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12302.	10.3	41
19914	Electronic properties of curved graphene nanoribbons. <i>Synthetic Metals</i> , 2013, 171, 7-14.	3.9	11
19915	Ag-Y2O3:Eu3+ composite nanotubes: synthesis, tunable photoluminescence and surface-enhanced Raman scattering. <i>CrystEngComm</i> , 2013, 15, 7484.	2.6	11
19916	Atmospheric Pressure Synthesis of ZnO Nanotubes by Aqueous Solution Route. <i>Advanced Materials Research</i> , 0, 669, 189-193.	0.3	1
19917	Optical properties of hexagonal boron nanotubes by first-principles calculations. <i>Journal of Applied Physics</i> , 2013, 114, 073514.	2.5	13
19918	A glassy carbon electrode modified with the nickel(II)-bis(1,10-phenanthroline) complex and multi-walled carbon nanotubes, and its use as a sensor for ascorbic acid. <i>Mikrochimica Acta</i> , 2013, 180, 1309-1316.	5.0	17
19919	Thermal buckling of a nanoplate with small-scale effects. <i>Acta Mechanica</i> , 2013, 224, 1299-1307.	2.1	39
19920	Structural, mechanical and electronic properties of nano-fibriform silica and its organic functionalization by dimethyl silane: a SCC-DFTB approach. <i>Journal of Molecular Modeling</i> , 2013, 19, 1995-2005.	1.8	5
19921	Theoretical study on the encapsulation of Pd3-based transition metal clusters inside boron nitride nanotubes. <i>Journal of Molecular Modeling</i> , 2013, 19, 1143-1151.	1.8	23
19922	Boron nitride nanotube based nanosensor for acetone adsorption: a DFT simulation. <i>Journal of Molecular Modeling</i> , 2013, 19, 1259-1265.	1.8	26
19923	First-principles prediction of the transition from graphdiyne to a superlattice of carbon nanotubes and graphene nanoribbons. <i>Carbon</i> , 2013, 65, 341-348.	10.3	52
19924	Estimation of the Young's modulus of single-walled carbon nanotubes under electric field using tight-binding method. <i>Superlattices and Microstructures</i> , 2013, 59, 178-186.	3.1	7
19925	Selective oxidation of metallic single-walled carbon nanotubes. <i>Chemical Papers</i> , 2013, 67, .	2.2	4
19926	Monitoring the integrity of adhesive joints during fatigue loading using carbon nanotubes. <i>Composites Science and Technology</i> , 2013, 78, 1-9.	7.8	60
19927	Effect of defects on the local shell buckling and post-buckling behavior of single and multi-walled carbon nanotubes. <i>Computational Materials Science</i> , 2013, 79, 736-744.	3.0	50
19928	Synthesis of magnetic carbon nanotubes: Functionalisation of carbon nanotubes with nickel/sulphur nanoparticles via self-assembly in near-critical acetone. <i>Journal of Supercritical Fluids</i> , 2013, 83, 1-5.	3.2	2
19929	Electrochemical determination of berberine at a multi-walled carbon nanotubes-modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2013, 183, 96-101.	7.8	41

#	ARTICLE	IF	CITATIONS
19930	Enhanced metallicity and spin polarization in zigzag graphene nanoribbons with Fe impurities. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 103-108.	2.7	20
19931	Carbon Nanotube, Carbon Black and Copper Nanoparticle Modified Screen Printed Electrodes for Amino Acid Determination. <i>Electroanalysis</i> , 2013, 25, 903-913.	2.9	34
19932	Laser desorption/ionization mass spectrometric analysis of surfactants on functionalized carbon nanotubes. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 258-264.	1.5	6
19933	Core-shell CNT-Ni-Si nanowires as a high performance anode material for lithium ion batteries. <i>Carbon</i> , 2013, 63, 54-60.	10.3	41
19934	Fabrication of large-diameter tube-like mesoporous TiO ₂ via homogeneous precipitation and photocatalytic decomposition of papermaking wastewater. <i>Chemical Engineering Journal</i> , 2013, 230, 227-235.	12.7	33
19935	Electromechanical properties of zigzag-shaped carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17134.	2.8	12
19936	The vibration properties of the (<i>n</i> ,0) boron nitride nanotubes from <i>ab initio</i> quantum chemical simulations. <i>Journal of Chemical Physics</i> , 2013, 138, 054906.	3.0	44
19937	The Role of the Nickel Catalyst and Its Chemical and Structural Evolution During Carbon Nanoparticle Growth. <i>Journal of Electronic Materials</i> , 2013, 42, 417-425.	2.2	5
19938	Conductive AFM for CNT characterization. <i>Nanoscale Research Letters</i> , 2013, 8, 24.	5.7	14
19939	Adsorption ability of oxidized multiwalled carbon nanotubes towards aqueous Ce(III) and Sm(III). <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 448-455.	2.7	46
19940	Diamond-like carbon decoration enhances the field electron emission of silicon nanowires. <i>Surface and Coatings Technology</i> , 2013, 228, S349-S353.	4.8	12
19941	Ab initio study of the NO ₂ and SO ₂ adsorption on Al ₁₂ N ₁₂ nano-cage sensitized with gallium and magnesium. <i>Computational Materials Science</i> , 2013, 79, 795-803.	3.0	56
19942	Influence of thin film nickel pretreatment on catalytic thermal chemical vapor deposition of carbon nanofibers. <i>Thin Solid Films</i> , 2013, 534, 341-347.	1.8	5
19943	Helical molecular orbitals around straight-chain polyyne oligomers as models for molecular devices. <i>Chemical Physics Letters</i> , 2013, 590, 136-140.	2.6	25
19944	Synthesis of four-fold shape CeO ₂ dendrites by a reduction route. <i>Materials Chemistry and Physics</i> , 2013, 142, 496-501.	4.0	4
19945	Synthesis of carbon nanotube/Ni nanocomposite film by electrophoresis and electroless deposition without Pd pretreatment. <i>Thin Solid Films</i> , 2013, 531, 99-102.	1.8	3
19946	Computational investigation of the electronic and structural properties of CN radical on the pristine and Al-doped (6, 0) BN nanotubes. <i>Physica B: Condensed Matter</i> , 2013, 430, 20-26.	2.7	17
19947	Infrared-active modes in finite and infinite double-walled boron nitride nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 48, 140-147.	2.7	6

#	ARTICLE	IF	CITATIONS
19948	Synthesis of single-crystalline lanthanum hexaboride nanowires by Au catalyst. <i>Ceramics International</i> , 2013, 39, 6271-6275.	4.8	8
19949	Nitrogen beam bombardment induce polarity of carbon nanotubes. <i>Vacuum</i> , 2013, 89, 122-126.	3.5	4
19950	Intrinsic growth of layered structure GaS microtubes from banana-leaf like structures. <i>Journal of Crystal Growth</i> , 2013, 368, 87-91.	1.5	4
19951	Using ionic liquid as the solvent to prepare Pd-Ni bimetallic nanoparticles by a pyrolysis method for ethanol oxidation reaction. <i>Materials Chemistry and Physics</i> , 2013, 142, 403-411.	4.0	34
19952	Multiwalled carbon nanotube paste electrode with 3,4-dihydroxy-cinnamic acid as mediator for the determination of glutathione in pharmaceutical and urine samples. <i>Chinese Journal of Catalysis</i> , 2013, 34, 1883-1889.	14.0	31
19953	The effects of high energy probe sonication on the thermoelectric power of large diameter multiwalled carbon nanotubes synthesized by chemical vapor deposition. <i>Synthetic Metals</i> , 2013, 184, 68-72.	3.9	10
19954	Controllable atomic layer deposition of one-dimensional nanotubular TiO ₂ . <i>Applied Surface Science</i> , 2013, 266, 132-140.	6.1	58
19955	Nano-/microfibrillar polymer-polymer and single polymer composites: The converting instead of adding concept. <i>Composites Science and Technology</i> , 2013, 89, 211-225.	7.8	82
19956	Cu grown carbon nanofibers - Variation of their chemical and physical properties. <i>Chemical Physics Letters</i> , 2013, 577, 71-75.	2.6	3
19957	Molecular dynamics simulation on the failure mechanism of Y-junction single-walled carbon nanotubes. <i>Computational Materials Science</i> , 2013, 79, 362-367.	3.0	4
19958	Symmetry group of two special types of carbon nanotube. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, 435-439.	0.3	9
19959	Fabrication of a magnet-assisted alignment device for the amperometric detection of capillary electrophoresis using a carbon nanotube/polypropylene composite electrode. <i>Electrophoresis</i> , 2013, 34, 2017-2024.	2.4	9
19960	A novel approach for preparation of conductive hybrid elastomeric nanocomposites. <i>Polymers for Advanced Technologies</i> , 2013, 24, 758-763.	3.2	17
19961	Synergistic interactions between multi-walled carbon nanotubes and toxic hexavalent chromium. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2011-2021.	10.3	120
19962	Accurate Solutions to Nonlinear Vibration of Single-Walled Carbon Nanotube via Homotopy Perturbation Method. <i>Advanced Materials Research</i> , 0, 662, 59-63.	0.3	0
19963	Scaling laws for van der Waals interactions in nanostructured materials. <i>Nature Communications</i> , 2013, 4, 2341.	12.8	243
19964	Well-aligned TiO ₂ nanotube arrays for energy-related applications under solar irradiation. <i>Journal of Asian Ceramic Societies</i> , 2013, 1, 203-219.	2.3	35
19965	Synthesis, characterization, and catalytic activity for hybrids of multi-walled carbon nanotube and amphiphilic poly(propyleneimine) dendrimer immobilized with silver and palladium nanoparticle. <i>Journal of Colloid and Interface Science</i> , 2013, 396, 101-111.	9.4	28

#	ARTICLE	IF	CITATIONS
19966	Dynamics of fragmentation and multiple vacancy generation in irradiated single-walled carbon nanotubes. Nuclear Instruments & Methods in Physics Research B, 2013, 295, 22-29.	1.4	9
19969	Effect of BN domains on the stability and electronic structure of carbon nanotubes. Solid State Communications, 2013, 168, 11-14.	1.9	6
19970	Nanomaterials for Membrane Fouling Control: Accomplishments and Challenges. Advances in Chronic Kidney Disease, 2013, 20, 536-555.	1.4	30
19971	Nanostructured materials for supercapacitors. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	2.1	38
19972	Microwave-Assisted One-Pot Synthesis of Metal-Free Nitrogen and Phosphorus Dual-Doped Nanocarbon for Electrocatalysis and Cell Imaging. Particle and Particle Systems Characterization, 2013, 30, 557-564.	2.3	70
19973	Mechanics and Mechanically Tunable Band Gap in Single-Layer Hexagonal Boron-Nitride. Materials Research Letters, 2013, 1, 200-206.	8.7	141
19974	Probing the carbon nanotube-surfactant interaction for the preparation of composites. Carbon, 2013, 51, 72-84.	10.3	31
19975	A fast response gas sensor based on fluorine plasma modified single wall carbon nanotubes. , 2013, , .		0
19976	Investigation of the Electrochemical Behavior of Mesalazine on the Surface of a Glassy Carbon Electrode Modified with CNT/PPY Doped by 1,5-Naphthalenedisulfonic Acid. Electroanalysis, 2013, 25, 2481-2491.	2.9	26
19977	Identifying potential candidates for donor-acceptor copolymers on a series of 4H-1,2,6-thiadiazines: An electrochemical approach. Electrochimica Acta, 2013, 107, 448-453.	5.2	10
19978	Anisotropic heat transfer prediction of multiscale wires using pulse laser thermal relaxation technique. Chemical Physics Letters, 2013, 555, 239-246.	2.6	2
19979	Interfacial electrochemical analysis on LiCoO ₂ /carbon nanotubes layers as cathode active composite in aqueous electrolytes. Electrochimica Acta, 2013, 113, 77-86.	5.2	15
19980	First-principles study of mechanical properties of one-dimensional carbon nanotube intramolecular junctions. Computational Materials Science, 2013, 70, 1-7.	3.0	27
19981	Density functional theory studies on covalent functionalization of single-walled carbon nanotubes with benzenesulfonic acid. Vibrational Spectroscopy, 2013, 65, 84-93.	2.2	12
19983	Nonlinear thermal conductance in single-wall carbon nanotubes: Negative differential thermal resistance. Journal of Chemical Physics, 2013, 138, 034708.	3.0	18
19984	Formation of helicity in an armchair single-walled carbon nanotube during tensile loading. Computational Materials Science, 2013, 74, 27-32.	3.0	4
19985	Fabrication of magnetic nanofibers via surface-initiated RAFT polymerization and coaxial electrospinning. Reactive and Functional Polymers, 2013, 73, 1447-1454.	4.1	12
19986	Nanoparticles and continuous-flow systems combine synergistically for preconcentration. TrAC - Trends in Analytical Chemistry, 2013, 43, 109-120.	11.4	13

#	ARTICLE	IF	CITATIONS
19987	Low-cost multiple-walled carbon nanotubes absorber for passively Q-switched and mode-locked Nd:YVO ₄ laser. <i>Optik</i> , 2013, 124, 4465-4467.	2.9	6
19988	Size-dependent biodistribution of carbon nanohorns in vivo. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 657-664.	3.3	50
19989	EFFECTS OF NITROGEN SUBSTITUTIONAL DOPING ON THE ELECTRICAL PROPERTIES OF SMALL RADIUS (4, 0) SINGLE-WALLED CARBON NANOTUBES. <i>Modern Physics Letters B</i> , 2013, 27, 1350003.	1.9	0
19990	Topics in Nonlinear Dynamics, Volume 1. Conference Proceedings of the Society for Experimental Mechanics, 2013, , .	0.5	3
19991	On the studies of coarse-grained carbon nanotubes as structural elements. , 2013, , .		0
19992	Channeling and energy losses of 10MeV protons in straight chiral carbon nanotube bundles. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 316, 160-170.	1.4	10
19993	Understanding the Interaction of Nucleobases with Chiral Semiconducting Single-Walled Carbon Nanotubes: An Alternative Theoretical Approach Based on Density Functional Reactivity Theory. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21539-21550.	3.1	50
19994	Preparation and Hydrogen Sorption Performances of BCNO Porous Microbelts with Ultra-Narrow and Tunable Pore Widths. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2936-2939.	3.3	14
19995	Synthesis of multi-walled carbon nanotube-hydroxyapatite composites and its application in the sorption of Co(II) from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2013, 179, 46-53.	4.9	47
19996	Density Functional Theory Studies of Substitutionally Si-Doped Single-Walled Carbon Nanotubes. <i>Advanced Materials Research</i> , 0, 683, 150-153.	0.3	0
19997	TWO-DIMENSIONAL AND THREE-DIMENSIONAL CERIA-BASED NANOARCHITECTURES. <i>Catalytic Science Series</i> , 2013, , 295-359.	0.0	1
19998	One-pot synthesis of glucose functionalized multi-walled carbon nanotubes: Dispersion in hydroxylated poly(amide-imide) composites and their thermo-mechanical properties. <i>Polymer</i> , 2013, 54, 6329-6338.	3.8	57
19999	Manganese dioxide/iron oxide/acid oxidized multi-walled carbon nanotube magnetic nanocomposite for enhanced hexavalent chromium removal. <i>Chemical Engineering Journal</i> , 2013, 234, 256-265.	12.7	222
20000	Hybrid nanotube-graphene junctions: spin degeneracy breaking and tunable electronic structure. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20281.	2.8	5
20001	Sequential Preconcentration and On-Membrane Raman Determination of Carboxylic Single-Walled Carbon Nanotubes in River Water Samples. <i>Analytical Chemistry</i> , 2013, 85, 10338-10343.	6.5	15
20002	Simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid based on nitrogen doped porous carbon nanopolyhedra. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2742.	5.8	166
20003	Development of an amperometric biosensor based on peroxidases to quantify citrinin in rice samples. <i>Bioelectrochemistry</i> , 2013, 91, 37-43.	4.6	30
20004	Preparing CNTs/Ca-Selective zeolite composite electrode to remove calcium ions by capacitive deionization. <i>Desalination</i> , 2013, 326, 109-114.	8.2	41

#	ARTICLE	IF	CITATIONS
20005	Can the Ames test provide an insight into nano-object mutagenicity? Investigating the interaction between nano-objects and bacteria. <i>Nanotoxicology</i> , 2013, 7, 1373-1385.	3.0	40
20006	Electrical and thermal conductivities of multiwalled carbon nanotubes-reinforced high performance polymer nanocomposites. <i>Composites Science and Technology</i> , 2013, 86, 177-184.	7.8	49
20007	Adsorption of Pollutants from Water with Carbon Nanotubes. <i>Advanced Materials Research</i> , 0, 634-638, 192-197.	0.3	0
20008	Core-shell heterostructures of SnM (M=(Fe, Ni, and Cr) or Cu) alloy nanowires @ CNTs on metallic substrates. <i>Applied Surface Science</i> , 2013, 270, 722-727.	6.1	7
20009	Ultrafast Photoconductivity of Graphene Nanoribbons and Carbon Nanotubes. <i>Nano Letters</i> , 2013, 13, 5925-5930.	9.1	117
20010	Recent progress in the development and properties of novel metal matrix nanocomposites reinforced with carbon nanotubes and graphene nanosheets. <i>Materials Science and Engineering Reports</i> , 2013, 74, 281-350.	31.8	918
20011	Structural and vibrational stability of $\langle i \rangle M \langle /i \rangle$ and $\langle i \rangle Z \langle /i \rangle$ phases of silicon and germanium from first principles. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	14
20012	Low-dimensional systems investigated by x-ray absorption spectroscopy: a selection of 2D, 1D and 0D cases. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 423001.	2.8	101
20013	Elastic properties of functionalized carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14303.	2.8	26
20014	Effects of surfactant on carbon nanotube assembly synthesized by direct spinning. <i>Chemical Engineering Science</i> , 2013, 104, 25-31.	3.8	12
20015	Functionalization of short multi-walled carbon nanotubes with creatinine and aromatic aldehydes via microwave and thermal methods and their influence on the MKN45 and MCF7 cancer cells. <i>Comptes Rendus Chimie</i> , 2013, 16, 838-844.	0.5	16
20016	Classification of structural modifications of carbon. <i>Physics of the Solid State</i> , 2013, 55, 1754-1764.	0.6	80
20017	Theoretical prediction of a new two-dimensional carbon allotrope and NDR behaviour of its one-dimensional derivatives. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 21001.	2.8	63
20018	Classification schemes for carbon phases and nanostructures. <i>New Carbon Materials</i> , 2013, 28, 273-282.	6.1	53
20019	Anisotropic multilayer conductive networks in carbon nanotubes filled polyethylene/polypropylene blends obtained through high speed thin wall injection molding. <i>Polymer</i> , 2013, 54, 6425-6436.	3.8	81
20020	Cadmium removal by activated carbon, carbon nanotubes, carbon nanofibers, and carbon fly ash: a comparative study. <i>Desalination and Water Treatment</i> , 0, , 1-13.	1.0	18
20021	Redox enzymes, cells and microorganisms acting on carbon nanostructures transformation: A mini-review. <i>Biotechnology Progress</i> , 2013, 29, 1-10.	2.6	17
20022	Novel Synthesis and Characterization of Nanostructured Materials. <i>Engineering Materials</i> , 2013, , .	0.6	42

#	ARTICLE	IF	CITATIONS
20023	Noncovalent Functionalization of Single-Wall Carbon Nanotubes for the Elaboration of Gas Sensor Dedicated to BTX Type Gases: The Case of Toluene. Journal of Physical Chemistry C, 2013, 117, 20217-20228.	3.1	36
20024	Plasma Nanoscience and Nanotechnology. , 2013, , 287-357.		2
20025	Transparent and conductive multi walled carbon nanotubes flexible electrodes for optoelectronic applications. Superlattices and Microstructures, 2013, 64, 581-589.	3.1	39
20026	Quantum chemical design of nonlinear optical materials by sp ² -hybridized carbon nanomaterials: issues and opportunities. Journal of Materials Chemistry C, 2013, 1, 5439.	5.5	155
20027	Electronic and Optical Properties of Silicon Carbide Nanostructures. Springer Series in Materials Science, 2013, , 139-159.	0.6	2
20028	Smart Materials-Based Actuators at the Micro/Nano-Scale. , 2013, , .		39
20029	Molecular dynamics simulations of defective CNT-polyethylene composite systems. Computational Materials Science, 2013, 79, 223-229.	3.0	35
20030	An improved shear-lag model for carbon nanotube reinforced polymer composites. Composites Part B: Engineering, 2013, 50, 7-14.	12.0	32
20031	Plasma functionalization for improving dispersion and interfacial bonding of multi-wall carbon nanotubes in cyanate ester/epoxy nanocomposites. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 433, 173-180.	4.7	14
20032	Enhanced durability of silanized multi-walled carbon nanotube/epoxy nanocomposites under simulated low earth orbit space environment. Composites Science and Technology, 2013, 87, 224-231.	7.8	21
20033	In situ synthesis of CNTs in Mg powder at low temperature for fabricating reinforced Mg composites. Journal of Alloys and Compounds, 2013, 551, 496-501.	5.5	62
20034	Amperometric biosensor for the determination of histamine in fish samples. Food Chemistry, 2013, 141, 4066-4072.	8.2	65
20035	Chiral Structure Determination of Aligned Single-Walled Carbon Nanotubes on Graphite Surface. Nano Letters, 2013, 13, 5666-5671.	9.1	18
20036	Piezoresistor Design and Applications. , 2013, , .		52
20037	Improved functionalization and recovery of carboxylated carbon nanotubes using the acoustic cavitation approach. Chemical Physics Letters, 2013, 557, 97-101.	2.6	23
20038	First principal study on optical properties of carbon and gallium nitride nanotubes. Optics Communications, 2013, 304, 143-147.	2.1	14
20039	Enhanced electromagnetic wave shielding effectiveness of Fe doped carbon nanotubes/epoxy composites. Applied Physics Letters, 2013, 103, 183109.	3.3	31
20040	Note: Resistance spot welding using a microgripper. Review of Scientific Instruments, 2013, 84, 106105.	1.3	5

#	ARTICLE	IF	CITATIONS
20041	Spherical Rh ₁₇ S ₁₅ @C and Rh@C core-shell nanocomposites: Synthesis, growth mechanism and methanol tolerance in oxygen reduction reaction. <i>Chemical Engineering Journal</i> , 2013, 228, 45-53.	12.7	10
20042	Quantification of curvature effects in boron and carbon nanotubes: Band structures and ballistic current. <i>Physical Review B</i> , 2013, 87, .	3.2	9
20043	SiO _x nanostructures grown under atmospheric pressure. <i>CrystEngComm</i> , 2013, 15, 9963.	2.6	7
20044	Electronic and optical properties of bundled single-walled carbon nanotubes investigated by the first-principles method. <i>Computer Physics Communications</i> , 2013, 184, 1077-1085.	7.5	7
20045	First-principles investigation on B/N co-doping of ultra small diameter metallic single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2013, 579, 127-131.	2.6	11
20046	Effects of Ni-coated Carbon Nanotubes addition on the electromigration of Sn-Ag-Cu solder joints. <i>Journal of Alloys and Compounds</i> , 2013, 581, 202-205.	5.5	43
20047	CVD growth, characterization and applications of carbon nanostructured materials. <i>Surface and Coatings Technology</i> , 2013, 230, 77-86.	4.8	25
20048	Synthesis and physical properties of a ball-like three-dimensional π -conjugated molecule. <i>Nature Communications</i> , 2013, 4, 2694.	12.8	139
20049	Numerical investigation of composite materials reinforced with waved carbon nanotubes. <i>Journal of Composite Materials</i> , 2013, 47, 1425-1434.	2.4	33
20050	Simultaneous determination of methotrexate and calcium folinate with electrochemical method based on a poly-ABSA/functionalized MWNTs composite film modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2013, 708, 13-19.	3.8	19
20051	Are nanotubes and carbon nanostructures the precursors of coexisting graphite and micro-diamonds in UHP rocks?. <i>Diamond and Related Materials</i> , 2013, 40, 24-31.	3.9	5
20052	Photo-regenerable multi-walled carbon nanotube membranes for the removal of pharmaceutical micropollutants from water. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1582.	3.5	27
20053	Titania/carbon nanotube composite (TiO ₂ /CNT) and its application for removal of organic pollutants. <i>Clean Technologies and Environmental Policy</i> , 2013, 15, 871-880.	4.1	93
20054	Review on one-dimensional ZnO nanostructures for electron field emitters. <i>Frontiers of Optoelectronics</i> , 2013, 6, 386-412.	3.7	18
20055	Single-crystalline hafnium carbide nanowire growth below the eutectic temperature by CVD. <i>Journal of Crystal Growth</i> , 2013, 384, 44-49.	1.5	23
20056	Inducing Aromaticity Patterns and Tuning the Electronic Transport of Zigzag Graphene Nanoribbons via Edge Design. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26371-26384.	3.1	11
20057	Bi-directional-bi-dimensionality alignment of self-supporting Mn ₃ O ₄ nanorod and nanotube arrays with different bacteriostasis and magnetism. <i>Nanoscale</i> , 2013, 5, 12231.	5.6	4
20058	Carbon nanotube array actuators. <i>Smart Materials and Structures</i> , 2013, 22, 094003.	3.5	8

#	ARTICLE	IF	CITATIONS
20059	Composites of Functional Poly(phenylacetylene)s and Single-Walled Carbon Nanotubes: Preparation, Dispersion, and Near Infrared Photoresponsive Properties. <i>Macromolecules</i> , 2013, 46, 8479-8487.	4.8	29
20060	Specific features of creep and tribological behavior of polyimide-carbon nanotubes nanocomposite films: effect of the nanotubes functionalization. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	17
20061	Morphology evolution induced by carbon nanotubes on thermal and mechanical characters of semi-crystalline aromatic polyimide. <i>Polymer Bulletin</i> , 2013, 70, 3129-3142.	3.3	1
20062	Various gradient elasticity theories in predicting vibrational response of single-walled carbon nanotubes with arbitrary boundary conditions. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 708-719.	2.6	18
20063	Improvement in electrical and thermal behavior of polystyrene/multiwalled carbon nanotubes nanocomposites. <i>Measurement: Journal of the International Measurement Confederation</i> , 2013, 46, 1541-1550.	5.0	14
20064	Systematic Analysis of Multiwalled Carbon Nanotube-Induced Cellular Signaling and Gene Expression in Human Small Airway Epithelial Cells. <i>Toxicological Sciences</i> , 2013, 133, 79-89.	3.1	31
20065	Reversible dispersionâ€“precipitation of single-walled carbon nanotubes by pH change and addition of organic components. <i>New Journal of Chemistry</i> , 2013, 37, 3607.	2.8	8
20066	Cross-sectional transmission electron microscopy observation of sub-nano-sized molybdenum carbide crystals in carbon nanotubes. <i>Microscopy (Oxford, England)</i> , 2013, 62, 405-410.	1.5	0
20067	The different N concentrations induced cytocompatibility and hemocompatibility of MWCNTs with CNx coatings. <i>Surface and Coatings Technology</i> , 2013, 229, 90-96.	4.8	10
20068	Synthesis of boron nitride nanotubes using thermal chemical vapor deposition of ball milled boron powder. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 1117-1122.	5.8	19
20069	Magnetic silicon carbide nanotubes by 3d transition metal atom functionalization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2013, 377, 2147-2153.	2.1	9
20070	Fabrication and Corrosion Resistance of SiC-coated Multi-walled Carbon Nanotubes. <i>Journal of Materials Science and Technology</i> , 2013, 29, 1146-1150.	10.7	17
20071	Carbon nanotube wires for high-temperature performance. <i>Carbon</i> , 2013, 64, 305-314.	10.3	36
20072	Nanoenergy. , 2013, , .		5
20073	Synthesis of carbon nanotube/aluminium composite powders by polymer pyrolysis chemical vapor deposition. <i>Carbon</i> , 2013, 55, 202-208.	10.3	35
20074	Effect of exciton dissociation on the detectivity of carbon nanotube infrared detectors. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
20075	Carbon nanotubeâ€“nanopipe composite vertical arrays for enhanced electrochemical capacitance. <i>Carbon</i> , 2013, 64, 507-515.	10.3	15
20076	Continuum and molecular dynamics study of C60 fullereneâ€“carbon nanotube oscillators. <i>Mechanics Research Communications</i> , 2013, 47, 18-23.	1.8	41

#	ARTICLE	IF	CITATIONS
20077	Production of aviation fuel via catalytic hydrothermal decarboxylation of fatty acids in microalgae oil. <i>Bioresource Technology</i> , 2013, 146, 569-573.	9.6	65
20078	Facile synthesis of titania nanoparticles coated carbon nanotubes for selective enrichment of phosphopeptides for mass spectrometry analysis. <i>Talanta</i> , 2013, 107, 30-35.	5.5	27
20079	Parametric excitation of electro-mechanical vibrations of carbon nano tube with distributed surface charge. <i>Journal of Applied Physics</i> , 2013, 114, 204304.	2.5	0
20080	Fabrication of glucose biosensor for whole blood based on Au/hyperbranched polyester nanoparticles multilayers by antibiofouling and self-assembly technique. <i>Analytica Chimica Acta</i> , 2013, 776, 17-23.	5.4	30
20081	A method to obtain homogeneously dispersed carbon nanotubes in Al powders for preparing Al/CNTs nanocomposite. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2013, 4, 025015.	1.5	4
20082	The accelerated de-dispersion and sedimentation behaviors of multi walled carbon nanotube suspensions using surfactants. <i>Materials Chemistry and Physics</i> , 2013, 142, 667-676.	4.0	3
20083	Hydrothermal temperature as a morphological control factor: Preparation, characterization and photocatalytic activity of titanate nanotubes and nanoribbons. <i>Journal of Molecular Structure</i> , 2013, 1049, 446-457.	3.6	29
20084	Validation of a screening method for the rapid control of sulfonamide residues based on electrochemical detection using multiwalled carbon nanotubes-glassy carbon electrodes. <i>Analytical Methods</i> , 2013, 5, 6821.	2.7	25
20085	A Modified Preparation Procedure for Carbon Nanotube-Confined Nd/Na Heterobimetallic Catalyst for anti-Selective Catalytic Asymmetric Nitroaldol Reactions. <i>Journal of Organic Chemistry</i> , 2013, 78, 11494-11500.	3.2	29
20086	Tribological behavior of polymer nanocomposites produced by dispersion of nanofillers in molten thermoplastics. , 2013, , 119-162.		7
20087	Curvature Effects on the Interfacial Capacitance of Carbon Nanotubes in an Ionic Liquid. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23539-23546.	3.1	53
20088	Effect of polarization of ultrafast laser irradiation on carbon nanotube film. <i>Thin Solid Films</i> , 2013, 546, 69-72.	1.8	6
20089	Internal charge transfer in metallicity sorted ferrocene filled carbon nanotube hybrids. <i>Carbon</i> , 2013, 59, 237-245.	10.3	33
20090	Friction and wear properties of aligned carbon nanotubes reinforced epoxy composites under water lubricated condition. <i>Wear</i> , 2013, 308, 105-112.	3.1	72
20091	Production of Single-Walled Carbon Nanotubes by Modified Arc Discharge Method. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 056201.	1.5	6
20092	Young's moduli and Poisson's ratios of curvilinear anisotropic hexagonal and rhombohedral nanotubes. <i>Nanotubes-auxetics. Doklady Physics</i> , 2013, 58, 400-404.	0.7	12
20093	Effective synthesis of carbon nanotubes via catalytic decomposition of methane: Influence of calcination temperature on metal-support interaction of Co-Mo/MgO catalyst. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1553-1559.	4.0	37
20094	On the effect of carbon nanotubes on properties of liquid crystals. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120261.	3.4	32

#	ARTICLE	IF	CITATIONS
20095	Competitive Crystallization of a Propylene/Ethylene Random Copolymer Filled with a β -Nucleating Agent and Multi-Walled Carbon Nanotubes. Conventional and Ultrafast DSC Study. Journal of Physical Chemistry B, 2013, 117, 14875-14884.	2.6	27
20096	Large-scale synthesis of few-walled carbon nanotubes by DC arc discharge in low-pressure flowing air. Materials Research Bulletin, 2013, 48, 3232-3235.	5.2	27
20097	The role of H ₂ reduction in the growth of single-walled carbon nanotubes. , 2013, , .		3
20098	Surfactant assisted Ceâ€Fe mixed oxide decorated multiwalled carbon nanotubes and their arsenic adsorption performance. Journal of Materials Chemistry A, 2013, 1, 11355.	10.3	151
20099	A modified spray-winding approach to enhance the tensile performance of array-based carbon nanotube composite films. Carbon, 2013, 65, 187-195.	10.3	29
20100	Effect of planetary ball milling process parameters on the nitrogen adsorption properties of multiwall carbon nanotubes. Adsorption, 2013, 19, 687-694.	3.0	11
20101	Topological Modelling of Nanostructures and Extended Systems. Carbon Materials, 2013, , .	1.2	9
20103	Rolling Up the Sheet: Constructing Metalâ€Organic Lamellae and Nanotubes from a [{Mn ₃ (propanediolato) ₂ }(dicyanamide) ₂] _n . Honeycomb Skeleton. Journal of the American Chemical Society, 2013, 135, 18276-18279.	13.7	34
20104	Thermal conductivity of one-, two- and three-dimensional sp ² carbon. New Journal of Physics, 2013, 15, 105019.	2.9	29
20105	Carbon Nanotube Enhanced Aerospace Composite Materials. Solid Mechanics and Its Applications, 2013, , .	0.2	12
20106	Facile Synthesis of Hierarchical Networks Composed of Highly Interconnected V ₂ O ₅ Nanosheets Assembled on Carbon Nanotubes and Their Superior Lithium Storage Properties. ACS Applied Materials & Interfaces, 2013, 5, 12394-12399.	8.0	75
20107	Carbon nanomaterials for high-performance supercapacitors. Materials Today, 2013, 16, 272-280.	14.2	581
20108	Near-Edge X-ray Absorption Fine Structure Studies of Electrospun Poly(dimethylsiloxane)/Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.5	24
20109	Contrasting responses of marine bacterial strains exposed to carboxylated single-walled carbon nanotubes. Aquatic Toxicology, 2013, 144-145, 230-241.	4.0	7
20110	Highly sensitive electrochemical stripping analysis of methyl parathion at MWCNTsâ€CeOâ€Au nanocomposite modified electrode. Sensors and Actuators B: Chemical, 2013, 186, 774-780.	7.8	67
20111	Multi-walled carbon nanotubes as sorptive material for solventless in-tube microextraction (ITEX2)â€a factorial design study. Analytical and Bioanalytical Chemistry, 2013, 405, 8387-8395.	3.7	22
20112	Adsorption sensitivity of zigzag GeC nanotube towards N ₂ , CO, SO ₂ , HCN, NH ₃ , and H ₂ CO molecules. Chemical Physics Letters, 2013, 577, 107-113.	2.6	18
20113	Tuning the adsorption of perylene-based surfactants on the surface of single-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2013, 250, 2592-2598.	1.5	10

#	ARTICLE	IF	CITATIONS
20114	When carbon nanotubes encounter the immune system: Desirable and undesirable effects. Advanced Drug Delivery Reviews, 2013, 65, 2120-2126.	13.7	60
20115	Astroglipathology: Could nanotechnology restore aberrant calcium signalling and pathological astroglial remodelling?. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1625-1631.	4.1	7
20116	Hemotoxicity of carbon nanotubes. Advanced Drug Delivery Reviews, 2013, 65, 2127-2134.	13.7	41
20117	Carbon nanotube and graphene for photonic applications. Proceedings of SPIE, 2013, , .	0.8	5
20118	Nanoscale finite element models for vibrations of single-walled carbon nanotubes: atomistic versus continuum. Applied Mathematics and Mechanics (English Edition), 2013, 34, 1187-1200.	3.6	23
20119	Bioaccumulation and ecotoxicity of carbon nanotubes. Chemistry Central Journal, 2013, 7, 154.	2.6	229
20120	High frequency small signal modeling of CNTFET. , 2013, , .		6
20121	New polyaniline/polypyrrole/polythiophene and functionalized multiwalled carbon nanotube-based nanocomposites. High Performance Polymers, 2013, 25, 70-78.	1.8	39
20122	Flexible gas sensor array with an embedded heater based on metal decorated carbon nanofibres. Sensors and Actuators B: Chemical, 2013, 187, 401-406.	7.8	75
20123	Statistical optimization and kinetic studies on removal of Zn ²⁺ using functionalized carbon nanotubes and magnetic biochar. Journal of Environmental Chemical Engineering, 2013, 1, 486-495.	6.7	96
20124	Cycloid crystals by topology change. Journal of Crystal Growth, 2013, 371, 17-22.	1.5	1
20125	Catalysis-Material Crosstalk at Tailored Nano-Carbon Interfaces. Topics in Current Chemistry, 2013, 348, 139-180.	4.0	11
20126	Multilayer Assembly for Solar Energy Conversion. Structure and Bonding, 2013, , 55-99.	1.0	1
20127	Band-edge exciton states in a single-walled carbon nanotube revealed by magneto-optical spectroscopy in ultrahigh magnetic fields. Physical Review B, 2013, 87, .	3.2	9
20128	Synthesis of graphene nanosheets from petroleum asphalt by pulsed arc discharge in water. Chemical Engineering Journal, 2013, 215-216, 45-49.	12.7	16
20129	Controllable synthesis of single-, double- and triple-walled carbon nanotubes from asphalt. Chemical Engineering Journal, 2013, 225, 210-215.	12.7	21
20131	Investigation of magnetism in aluminum-doped silicon carbide nanotubes. Solid State Communications, 2013, 174, 38-42.	1.9	11
20133	Synthesis of mesoporous polypyrrole nanowires/nanoparticles for ammonia gas sensing application. Sensors and Actuators A: Physical, 2013, 203, 92-102.	4.1	48

#	ARTICLE	IF	CITATIONS
20134	Computational screening of porous carbons, zeolites, and metal organic frameworks for desulfurization and decarburization of biogas, natural gas, and flue gas. <i>AIChE Journal</i> , 2013, 59, 2928-2942.	3.6	77
20135	An In ₂ O ₃ nanowire-like network fabricated on coplanar sensor surface by sacrificial CNTs for enhanced gas sensing performance. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 345-353.	7.8	46
20136	First Principle-Based Analysis of Single-Walled Carbon Nanotube and Silicon Nanowire Junctionless Transistors. <i>IEEE Nanotechnology Magazine</i> , 2013, 12, 1075-1081.	2.0	13
20137	A quartz crystal microbalance modified with carbon nanotubes as a sensor for volatile organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 811-816.	7.8	16
20138	CNTs/TiO ₂ composites and its electrochemical properties after UV light irradiation. <i>Progress in Natural Science: Materials International</i> , 2013, 23, 164-169.	4.4	32
20139	Synthesis and characterization of Y-shaped carbon nanotubes using Fe/AlPO ₄ catalyst by CVD. <i>Chemical Engineering Journal</i> , 2013, 222, 472-477.	12.7	16
20140	Carbon nanotubes for biomedical imaging: The recent advances. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 1951-1963.	13.7	301
20141	Molecular dynamics of solutions of poly-3-octyl-thiophene and functionalized single wall carbon nanotubes studied by neutron scattering. <i>Chemical Physics</i> , 2013, 427, 129-141.	1.9	4
20142	Nanoneurotoxicity to Nanoneuroprotection Using Biological and Computational Approaches. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2013, 31, 256-284.	2.9	14
20143	Using various techniques to characterize oxidative functionalized and aminosilanized carbon nanotubes for polyamide matrix. <i>Journal of Reinforced Plastics and Composites</i> , 2013, 32, 75-86.	3.1	43
20144	Synthesis of boron nitride nanotubes from ammonia and a powder mixture of boron and iron oxide. <i>Chemical Engineering Journal</i> , 2013, 219, 28-36.	12.7	30
20145	Dye-Sensitized Solar Cells Based on Polyaniline-Single Wall Carbon Nanotubes Composite. <i>ECS Journal of Solid State Science and Technology</i> , 2013, 2, M13-M16.	1.8	25
20146	Compressive buckling of open-ended boron nitride nanotubes in hydrogen storage applications. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 50, 29-36.	2.7	32
20147	Nanoproteomics: a new sprout from emerging links between nanotechnology and proteomics. <i>Trends in Biotechnology</i> , 2013, 31, 99-107.	9.3	43
20149	Effect of temperature on ballistic transport of cylindrical (10, 0) CNTFET. , 2013, , .		2
20150	EVALUATION OF THE EFFECT OF CATALYST TEXTURAL PROPERTIES ON EFFECTIVE SYNTHESIS OF CARBON NANOTUBES. <i>International Journal of Nanoscience</i> , 2013, 12, 1350030.	0.7	0
20153	Surface initiated ring-opening polymerization of l-proline N-carboxy anhydride from single and multi walled carbon nanotubes. <i>European Polymer Journal</i> , 2013, 49, 3095-3103.	5.4	12
20154	Synthesis, characterization and catalytic activity of sulphonated multi-walled carbon nanotubes as heterogeneous, robust and reusable catalysts for the synthesis of bisphenolic antioxidants under solvent-free conditions. <i>Journal of Chemical Sciences</i> , 2013, 125, 1185-1195.	1.5	13

#	ARTICLE	IF	CITATIONS
20155	Induced nonlocal electric wave propagation of boron nitride nanotubes. <i>Journal of Mechanical Science and Technology</i> , 2013, 27, 3063-3071.	1.5	12
20156	Prospects for using multi-walled carbon nanotubes formed from renewable feedstock in hydrogen energy. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , 2013, 49, 153-157.	1.6	0
20157	Carbon nanotubes as a novel tool for vaccination against infectious diseases and cancer. <i>Journal of Nanobiotechnology</i> , 2013, 11, 30.	9.1	49
20158	Hydrogenated BN monolayers: A first principles study. <i>European Physical Journal B</i> , 2013, 86, 1.	1.5	10
20159	Femtosecond laser modification of an array of vertically aligned carbon nanotubes intercalated with Fe phase nanoparticles. <i>Nanoscale Research Letters</i> , 2013, 8, 375.	5.7	9
20160	Highly stable carbon nanotube field emitters on small metal tips against electrical arcing. <i>Nanoscale Research Letters</i> , 2013, 8, 355.	5.7	19
20161	Multi-walled carbon nanotubes induce human microvascular endothelial cellular effects in an alveolar-capillary co-culture with small airway epithelial cells. <i>Particle and Fibre Toxicology</i> , 2013, 10, 35.	6.2	66
20162	Simulation of nanodrug by theoretical approach. <i>Journal of Nanostructure in Chemistry</i> , 2013, 3, 1.	9.1	18
20163	Functionalization of Carbon Nanotube-Supported Precious Metal Catalysts by Coverage with Metal Oxide Layers. <i>Catalysis Surveys From Asia</i> , 2013, 17, 71-84.	2.6	4
20164	Carbon nanotube enhanced label-free immunosensor for amperometric determination of oocyte maturation-inducing hormone in fish. <i>Fish Physiology and Biochemistry</i> , 2013, 39, 299-308.	2.3	4
20165	Large-scale and controllable synthesis of metal-free nitrogen-doped carbon nanofibers and nanocoils over water-soluble Na ₂ CO ₃ . <i>Nanoscale Research Letters</i> , 2013, 8, 545.	5.7	17
20166	Highly uniform hole spacing micro brushes based on aligned carbon nanotube arrays. <i>Nanoscale Research Letters</i> , 2013, 8, 501.	5.7	3
20167	Comparative study of gel-based separated arc-discharge, HiPCO, and CoMoCAT carbon nanotubes for macroelectronic applications. <i>Nano Research</i> , 2013, 6, 906-920.	10.4	39
20168	Kinetic stability of octagraphene. <i>Physics of the Solid State</i> , 2013, 55, 2592-2595.	0.6	18
20169	Thermal Conductivity of Single-Walled Carbon Nanotube with Internal Heat Source Studied by Molecular Dynamics Simulation. <i>International Journal of Thermophysics</i> , 2013, 34, 2361-2370.	2.1	8
20170	Monolithic carbon structures including suspended single nanowires and nanomeshes as a sensor platform. <i>Nanoscale Research Letters</i> , 2013, 8, 492.	5.7	50
20171	Tailoring the magnetic properties of ordered 50-nm-diameter CoNi nanowire arrays. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	29
20172	Evaluating the capabilities of portable black carbon monitors and photometers for measuring airborne carbon nanotubes. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	12

#	ARTICLE	IF	CITATIONS
20173	Mechanics of single-walled carbon nanotubes inside open single-walled carbon nanocones. Journal of Mechanical Science and Technology, 2013, 27, 3363-3370.	1.5	6
20174	Graphene – Properties and Characterization. , 2013, , 39-82.		7
20175	Formations of boron-doped and nitrogen-doped silicon nanotubes: DFT studies. Superlattices and Microstructures, 2013, 64, 52-57.	3.1	10
20176	Analysis of the activation of acetylcholinesterase by carbon nanoparticles using a monolithic immobilized enzyme microreactor: role of the water molecules in the active site gorge. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 1010-1014.	5.2	7
20177	Elastic wave propagation in a functionally graded nanocomposite reinforced by carbon nanotubes employing meshless local integral equations (LIEs). Engineering Analysis With Boundary Elements, 2013, 37, 1524-1531.	3.7	22
20178	Extensive FE-SEM/EDS, HR-TEM/EDS and ToF-SIMS studies of micron- to nano-particles in anthracite fly ash. Science of the Total Environment, 2013, 452-453, 98-107.	8.0	91
20179	Ab initio molecular dynamics simulation of dissociation of methane on nickel(1 1 1) surface: Unravelling initial stage of graphene growth via a CVD technique. Chemical Physics Letters, 2013, 565, 92-97.	2.6	54
20180	A concurrent multi-scale modeling for dynamic behavior of nano-crystalline structures. Computational Materials Science, 2013, 79, 841-856.	3.0	6
20181	Catalytic photodegradation of Congo red in aqueous solution by Ln(OH)3 (Ln = Nd, Sm, Eu, Gd, Tb, and) Tj ETQq0 0 0 rgBT /Overlock 10	4.3	68
20182	Experimental and thermochemical evaluation of induction thermal plasma grown single-walled carbon nanotube synthesized by commercial carbon blacks with different sulfur contents. Thermochimica Acta, 2013, 565, 211-220.	2.7	3
20183	Intrinsic electronic and transport properties of graphyne sheets and nanoribbons. Nanoscale, 2013, 5, 9264.	5.6	163
20184	Size- and Orientation-Selective Encapsulation of C₇₀ by Cycloparaphenylenes. Chemistry - A European Journal, 2013, 19, 14061-14068.	3.3	197
20185	Preparation of a Three-Dimensional Ordered Macroporous Carbon Nanotube/Polypyrrole Composite for Supercapacitors and Diffusion Modeling. Journal of Physical Chemistry C, 2013, 117, 20446-20455.	3.1	62
20186	Influence of functional nanoparticles on the photostability of polymer materials: Recent progress and further applications. Polymer Degradation and Stability, 2013, 98, 2411-2418.	5.8	35
20187	Role of oxygen-containing groups on MWCNTs in enhanced separation and permeability performance for PVDF hybrid ultrafiltration membranes. Desalination, 2013, 320, 1-9.	8.2	101
20188	A review on potential applications of carbon nanotubes in marine current turbines. Renewable and Sustainable Energy Reviews, 2013, 28, 331-339.	16.4	39
20189	Comprehensive study of nanostructured supports with high surface area for Fischer-Tropsch synthesis. Journal of Energy Chemistry, 2013, 22, 573-581.	12.9	6
20190	Facile Synthesis and Enhanced Nonlinear Optical Properties of Porphyrin-Functionalized Multi-Walled Carbon Nanotubes. Chemistry - A European Journal, 2013, 19, 14159-14170.	3.3	49

#	ARTICLE	IF	CITATIONS
20191	NanoCarbon 2011. Carbon Nanostructures, 2013, , .	0.1	3
20192	Tetrabenz[8]circulene: Aromatic Saddles from Negatively Curved Graphene. Journal of the American Chemical Society, 2013, 135, 14074-14077.	13.7	203
20193	Enhanced electrochemical performance of multi-walled carbon nanotubes modified Li ₂ FeSiO ₄ /C cathode material for lithium-ion batteries. Journal of Alloys and Compounds, 2013, 570, 1-6.	5.5	50
20194	General Route to ZnO Nanorod Arrays on Conducting Substrates via Galvanic-cell-based approach. Scientific Reports, 2013, 3, 2434.	3.3	57
20195	C72: gaudiene, a hollow and aromatic all-carbon molecule. Physical Chemistry Chemical Physics, 2013, 15, 9025.	2.8	33
20196	Preparation of silicate nanotubes and its application for electrochemical sensing of clozapine. Materials Letters, 2013, 102-103, 56-58.	2.6	9
20197	Improved field emission properties of MgO-doped carbon nanotube films and their application in miniature vacuum gauges. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 349-355.	1.8	13
20198	Ionic liquid combined with carbon nanotubes: A soft material for the preconcentration of PAHs. Talanta, 2013, 104, 169-172.	5.5	25
20199	Cantilevered single walled boron nitride nanotube based nanomechanical resonators of zigzag and armchair forms. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 50, 73-82.	2.7	20
20200	High Yield Growth of Patterned Vertically Aligned Carbon Nanotubes Using Inkjet-Printed Catalyst. ACS Applied Materials & Interfaces, 2013, 5, 9785-9790.	8.0	12
20201	Cucurbit[n]uril-based coordination chemistry: from simple coordination complexes to novel poly-dimensional coordination polymers. Chemical Society Reviews, 2013, 42, 9480.	38.1	354
20202	Carbo-graphite: Structural, Mechanical, and Electronic Properties. Journal of Physical Chemistry C, 2013, 117, 21671-21681.	3.1	56
20203	Toxicological effects of multi-walled carbon nanotubes adsorbed with nonylphenol on earthworm Eisenia fetida. Environmental Sciences: Processes and Impacts, 2013, 15, 2125.	3.5	24
20204	Preparation of Chitosan-Multiwalled Carbon Nanotubes Blended Membranes: Characterization And Performance in The Separation of Sodium and Magnesium Ions. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 245-262.	2.6	30
20205	Hybrid microstrip and carbon nanotubes based patch antenna for wireless applications. , 2013, , .		2
20206	Analysis of pulmonary surfactant in rat lungs after intratracheal instillation of short and long multi-walled carbon nanotubes. Inhalation Toxicology, 2013, 25, 609-620.	1.6	9
20207	Enhanced mechanical and electrical properties of carbon nanotube buckypaper by in situ cross-linking. Carbon, 2013, 63, 125-132.	10.3	101
20208	A study on the stability, chirality, and theoretical spectra of the heterofullerenes C ₆₀ X (X=N, P, As, B ₁₀) Tj ETQq1 1 0.784314 rgBT /Overl	1.8	9

#	ARTICLE	IF	CITATIONS
20209	EFFECTS OF SUBSTITUTIONAL DOPING IN ELECTRONIC TRANSPORT PROPERTIES OF CARBON NANOTUBES. International Journal of Modern Physics B, 2013, 27, 1350157.	2.0	9
20210	Structural Polymer-Based Carbon Nanotube Composite Fibers: Understanding the Processingâ€“Structureâ€“Performance Relationship. Materials, 2013, 6, 2543-2577.	2.9	220
20212	Carbon nanotube computer. Nature, 2013, 501, 526-530.	27.8	903
20213	Photoinduced luminescent carbon nanostructures with ultra-broadly tailored size ranges. Nanoscale, 2013, 5, 12092.	5.6	19
20214	A Composite Film of V₂O₅ and Multiwall Carbon Nanotubes as Cathode Materials for Lithium-Ion Batteries. Key Engineering Materials, 0, 537, 169-173.	0.4	3
20215	Enhanced dielectric and electro-optical properties of a newly synthesised ferroelectric liquid crystal material by doping gold nanoparticle-decorated multiwalled carbon nanotubes. Liquid Crystals, 2013, 40, 1255-1262.	2.2	31
20216	The effects of acid treatment on the thermoelectric power of multiwalled carbon nanotubes synthesized by chemical vapor deposition. Chemical Physics Letters, 2013, 580, 67-72.	2.6	15
20217	Adsorption of chitosan on BN nanotubes: A DFT investigation. Applied Surface Science, 2013, 268, 259-264.	6.1	43
20220	Life Cycle Energy and Climate Change Implications of Nanotechnologies. Journal of Industrial Ecology, 2013, 17, 528-541.	5.5	75
20222	Nonlinear failure analysis of carbon nanotubes by using molecular-mechanics based models. Composites Part B: Engineering, 2013, 50, 150-157.	12.0	20
20223	Modeling ²¹ Ne NMR parameters for carbon nanosystems. Magnetic Resonance in Chemistry, 2013, 51, 676-681.	1.9	8
20224	Review: Preparation and Application of Magnetic Chitosan Derivatives in Separation Processes. Analytical Letters, 2013, 46, 2635-2656.	1.8	28
20225	Electrical percolation based biosensors. Methods, 2013, 63, 282-289.	3.8	16
20226	Calorimetric study of nanocomposites of multiwalled carbon nanotubes and isotactic polypropylene polymer. Journal of Applied Polymer Science, 2013, 130, 587-594.	2.6	13
20227	Flammable and noxious gas sensing using a microtripolar electrode sensor with diameter and chirality sorted single-walled carbon nanotubes. Journal of Micromechanics and Microengineering, 2013, 23, 085022.	2.6	5
20228	Graphene-based semiconductor nanostructures. Physics-Uspexhi, 2013, 56, 105-122.	2.2	61
20229	On the friction and wear of carbon nanofiber-reinforced PEEK-based polymer composites. , 2013, , 227-305.		0
20230	Simultaneous detection of hydroxylamine and phenol using p-aminophenol-modified carbon nanotube paste electrode. Chinese Journal of Catalysis, 2013, 34, 1768-1775.	14.0	23

#	ARTICLE	IF	CITATIONS
20232	Field-Effect Transistors Based on WS ₂ Nanotubes with High Current-Carrying Capacity. Nano Letters, 2013, 13, 3736-3741.	9.1	131
20233	Carbon nanotube array as high impedance interconnects for sensing device integration. , 2013, , .		1
20234	REVIEW OF METAL, CARBON AND POLYMER NANOPARTICLES FOR INFRARED PHOTOTHERMAL THERAPY. Nano LIFE, 2013, 03, 1330002.	0.9	26
20235	Role of direct covalent bonding in enhanced heat dissipation property of flexible graphene oxide-carbon nanotube hybrid film. Thin Solid Films, 2013, 545, 116-123.	1.8	13
20236	Low-temperature plasmas in carbon nanostructure synthesis. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, .	1.2	63
20237	Preparation, characterization and adsorption properties of chitosan modified magnetic graphitized multi-walled carbon nanotubes for highly effective removal of a carcinogenic dye from aqueous solution. Applied Surface Science, 2013, 285, 865-873.	6.1	112
20238	Nitrogen-Vacancy Centers and Dopants in Ultrathin Diamond Films: Electronic Structure. Journal of Physical Chemistry C, 2013, 117, 21376-21381.	3.1	19
20239	Electrostatic waves in carbon nanotubes with an axial magnetic field. Physics of Plasmas, 2013, 20, 102103.	1.9	11
20240	Long lifetime emission from screen printing carbon nanotubes over 45,000h at 1.27mA/cm ² with 10% duty ratio. Diamond and Related Materials, 2013, 35, 29-35.	3.9	5
20241	Molecular dynamics study of the positioned single-walled carbon nanotubes with T-, X-, Y-junction during nanoscale soldering. Applied Surface Science, 2013, 284, 392-396.	6.1	40
20242	Optical investigation of carbon nanotube agglomerate growth on single catalyst particles. Chemical Engineering Journal, 2013, 234, 74-79.	12.7	7
20243	Enhanced dispersion for electrical percolation behavior of multi-walled carbon nanotubes in polymer nanocomposites using simple powder mixing and in situ polymerization with surface treatment of the fillers. Composites Science and Technology, 2013, 89, 29-37.	7.8	43
20244	Microscopic insight into the bilateral formation of carbon spirals from a symmetric iron core. Scientific Reports, 2013, 3, 1840.	3.3	7
20245	Fast low-power full-adders based on bridge style minority function and multiplexer for nanoscale. International Journal of Electronics, 2013, 100, 727-745.	1.4	18
20246	Comparative Study of Adsorption of O ₂ , CO ₂ , NO ₂ and SO ₂ on Pristine and Si-Doped Carbon Nanotubes. Advanced Materials Research, 0, 678, 179-184.	0.3	2
20247	Synthesis of Nano Structured Membrane from Carbon Nanotube for Waste Water Treatment. Advanced Materials Research, 0, 829, 386-390.	0.3	2
20248	Influence of argon on field emission from CVD-grown in-plane single-walled carbon nanotube meshes. , 2013, , .		0
20249	Preparation and Mechanical Property of MWNTs/Al Composite Wires by Rotational Friction Extrusion Processing. Advanced Materials Research, 2013, 833, 261-265.	0.3	2

#	ARTICLE	IF	CITATIONS
20250	Catalytic Activity of Tetranitro-Copper Phthalocyanine Supported on Carbon Nanotubes towards Oxygen Reduction Reaction. <i>Advanced Materials Research</i> , 0, 706-708, 15-19.	0.3	4
20251	Dopant-stimulated CuO nanofibers for electro-oxidation and determination of glucose. <i>Chemical Research in Chinese Universities</i> , 2013, 29, 861-867.	2.6	6
20252	Production and characterization of Ni and Cu composite coatings by electrodeposition reinforced with carbon nanotubes or graphite nanoplatelets. <i>Journal of Physics: Conference Series</i> , 2013, 439, 012019.	0.4	4
20253	Smart damping of laminated fuzzy fiber reinforced composite shells using 1 st 3 piezoelectric composites. <i>Smart Materials and Structures</i> , 2013, 22, 105001.	3.5	44
20254	~Bucky gel™ of multiwalled carbon nanotubes as electrodes for high performance, flexible electric double layer capacitors. <i>Nanotechnology</i> , 2013, 24, 465704.	2.6	28
20255	Ultra-low turn-on field and ultra-high field emission current density from pillar array design of carbon nanotubes with optimum R/H ratio. , 2013, , .		2
20256	Modeling of the Elastic Damping Response of a Carbon Nanotube~Polymer Nanocomposite in the Stress-Strain Domain Using an Elastic Energy Release Approach Based on Stick-Slip. <i>Mechanics of Advanced Materials and Structures</i> , 2013, 20, 791-800.	2.6	22
20257	Effects of catalyst thickness on the fabrication and performance of carbon nanotube-templated thin layer chromatography plates. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013, 31, .	1.2	22
20258	Electrical Conductivity and Hardness Property of CNTs/Epoxy Nanocomposites. <i>Advanced Materials Research</i> , 2013, 701, 197-201.	0.3	3
20259	Determination of ultra-trace amounts of cadmium by ET-AAS after column preconcentration with a new sorbent of modified MWCNTs. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 4097-4105.	2.7	11
20260	Numerical study on thermal conductivity of nanomaterials - coarse Grained Molecular Dynamics Approach. , 2013, , .		1
20261	Modulating the cytocompatibility of tridimensional carbon nanotube-based scaffolds. <i>Journal of Materials Chemistry B</i> , 2013, 1, 3064.	5.8	29
20262	Coordination nanotubes self-assembled from cucurbit[7]uril and lanthanide cations. <i>CrystEngComm</i> , 2013, 15, 3943.	2.6	46
20263	Advanced fibre-reinforced polymer (FRP) composite materials for sustainable energy technologies. , 2013, , 737-779.		6
20264	The structure and dynamics analysis of one-dimension confined C3V symmetrical C60H18 molecules in single-wall carbon nanotube. <i>CrystEngComm</i> , 2013, 15, 7723.	2.6	5
20265	Multiwalled carbon nanotube-coated polyethylene terephthalate fibrous matrices for enhanced neuronal differentiation of mouse embryonic stem cells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 646-653.	5.8	22
20266	Synthesis of Cd(OH)Cl hollow nano-spiremes from a dipolar binary liquid system and their conversion to Cd(OH)2 hollow nano-spiremes. <i>New Journal of Chemistry</i> , 2013, 37, 815.	2.8	3
20267	Redox responsive nanotubes from organometallic polymers by template assisted layer by layer fabrication. <i>Nanoscale</i> , 2013, 5, 11692.	5.6	10

#	ARTICLE	IF	CITATIONS
20268	A new carbon nanotube-based hot-film sensor assembled by optically-induced dielectrophoresis. , 2013, , .		2
20269	Introduction to Noise-Resilient Computing. Synthesis Lectures on Digital Circuits and Systems, 2013, 8, 1-152.	0.3	1
20270	Supramolecular Chemistry of Carbon Nanotubes at Interfaces: Toward Applications. Structure and Bonding, 2013, , 193-218.	1.0	0
20271	Electrochemical Synthesis of CdS on Multi Walled Carbon Nanotubes Paste Electrode. Advanced Materials Research, 0, 787, 417-422.	0.3	4
20272	Eco-friendly conductive polymer nanocomposites (CPC) for solar absorbers design. Polymers for Advanced Technologies, 2013, 24, 638-645.	3.2	13
20273	Optical density as a probe of carbon nanotubes dispersion in polymers. Journal of Applied Polymer Science, 2013, 130, 1778-1786.	2.6	16
20275	Self-Assembling Neodymium/Sodium Heterobimetallic Asymmetric Catalyst Confined in a Carbon Nanotube Network. Angewandte Chemie - International Edition, 2013, 52, 6196-6201.	13.8	59
20276	Performance Evaluation of 32-nm CNT-OPAMPs in Analog Circuits: Design and Comparison of Leapfrog Filters. Advanced Materials Research, 2013, 646, 216-221.	0.3	4
20277	A novel density control of carbon nanotubes by partial oxidation of catalyst metal and its field emission enhancement. , 2013, , .		0
20278	Fabrication of paper-based load sensor by using the multi-walled carbon nanotubes ink. , 2013, , .		2
20279	Effects of Growth Parameters on the Morphology of Aligned Carbon Nanotubes Synthesized by Floating Catalyst and the Growth Model. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 765-777.	2.1	9
20280	Bending Analysis of Carbon Nanotubes Based on Analytical Nonlocal Timoshenko Beam Model. Applied Mechanics and Materials, 2013, 444-445, 202-208.	0.2	2
20281	Single-Walled Carbon Nanotube Pirani Gauges Prepared by DEP Assembly. IEEE Nanotechnology Magazine, 2013, 12, 323-329.	2.0	10
20282	A theoretical study of the dihydrogen molecule confined inside carbon nanotubes. International Journal of Quantum Chemistry, 2013, 113, 2397-2404.	2.0	18
20283	Sorption of phenanthrene on single-walled carbon nanotubes modified by DOM: effects of DOM molecular weight and contact time. Environmental Sciences: Processes and Impacts, 2013, 15, 307-314.	3.5	6
20284	Multi-CNTFETs for power device applications: Investigation of CCVD grown CNTs by means of atomic force microscopy. , 2013, , .		2
20285	Estimation of material properties of nanocomposite structures. Meccanica, 2013, 48, 2209-2220.	2.0	18
20286	Molecular dynamics simulations for mechanical characterization of CNT/gold interface and its bonding strength. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
20287	A study on the interaction of single-walled carbon nanotubes (SWCNTs) and polystyrene (PS) at the interface in SWCNTâ€“PS nanocomposites using tip-enhanced Raman spectroscopy. Physical Chemistry Chemical Physics, 2013, 15, 20618.	2.8	40
20288	Isotactic Polypropylene/Multi-Walled Carbon Nanotube Nanocomposites: The Effect of Modification of MWCNTs on Mechanical Properties and Melt Crystallization. Macromolecular Chemistry and Physics, 2013, 214, 2415-2431.	2.2	31
20289	A facile low-temperature growth of large-scale uniform two-end-open Ge nanotubes with hierarchical branches. Journal of Materials Chemistry C, 2013, 1, 5471.	5.5	1
20290	Operationalization and application of “early warning signs” to screen nanomaterials for harmful properties. Environmental Sciences: Processes and Impacts, 2013, 15, 190-203.	3.5	19
20291	Enhancing the sensitivity of chemiresistor gas sensors based on pristine carbon nanotubes to detect low-ppb ammonia concentrations in the environment. Analyst, The, 2013, 138, 7392.	3.5	105
20292	Thermal Buckling Analysis of Multi-Walled Carbon Nanotubes Through a Nonlocal Shell Theory Incorporating Interatomic Potentials. Journal of Thermal Stresses, 2013, 36, 56-70.	2.0	15
20293	To the pore and through the pore: thermodynamics and kinetics of helium in exotic cubic carbon polymorphs. Physical Chemistry Chemical Physics, 2013, 15, 17366.	2.8	6
20294	Cohesive band structure of carbon nanotubes for applications in quantum transport. Nanoscale, 2013, 5, 10927.	5.6	34
20295	Unexpected helicity control and helix inversion: homochiral helical nanotubes consisting of an achiral ligand. Chemical Communications, 2013, 49, 8220.	4.1	11
20296	Transport of Oxidized Multi-Walled Carbon Nanotubes through Silica Based Porous Media: Influences of Aquatic Chemistry, Surface Chemistry, and Natural Organic Matter. Environmental Science & Technology, 2013, 47, 14034-14043.	10.0	33
20297	Lipid nanoscaffolds in carbon nanotube arrays. Nanoscale, 2013, 5, 8992.	5.6	3
20298	Difference in the cooperative interaction between carbon nanotubes and Ru particles loaded on their internal/external surface. RSC Advances, 2013, 3, 12641.	3.6	18
20299	Effects of CNTs Content on Physicochemical and Pervaporation Separation Properties of PVA Membranes. Separation Science and Technology, 2013, 48, 716-727.	2.5	21
20300	Contamination control and pilot manufacturing of commercial grade carbon nanotube colloidal formulations. , 2013, , .		2
20301	An unprecedented dynamic porous metalâ€“organic framework assembled from fivefold interlocked closed nanotubes with selective gas adsorption behaviors. Chemical Communications, 2013, 49, 1820.	4.1	47
20302	Ultrafast Mode-Locked Fiber Laser Using a Waveguide-Type Saturable Absorber Based on Single-Walled Carbon Nanotubes. Applied Physics Express, 2013, 6, 052705.	2.4	17
20303	Optimization of ballasted carbon nanotube array for X-ray source. , 2013, , .		0
20304	Influence of polar functional groups introduced by COOH+ implantation on cell growth and anticoagulation of MWCNTs. Journal of Materials Chemistry B, 2013, 1, 5543.	5.8	9

#	ARTICLE	IF	CITATIONS
20305	Numerical analysis in field emission characteristics of carbon nanotube field emitters and arrays. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2013, 227, 39-45.	0.1	2
20306	ADSORPTION AND KINETIC STUDY ON Sn^{2+} REMOVAL USING MODIFIED CARBON NANOTUBE AND MAGNETIC BIOCHAR. International Journal of Nanoscience, 2013, 12, 1350044.	0.7	18
20307	Intercalated multi-layer graphene grown by CVD for LSI interconnects. , 2013, , .		13
20308	Simulation of digoxin single molecule detection through resonant frequency shift of a CNT. , 2013, , .		0
20309	A new type of molybdenum oxide crystal encapsulated inside a single-walled carbon nanotube. Microscopy (Oxford, England), 2013, 62, 271-282.	1.5	1
20310	Environmentally friendly nanofillers as reinforcements for composites. , 2013, , 41-73.		0
20311	Simulation of CNT based mass resonator sensor and investigation on the effect of vacancy defect on sensing performances. , 2013, , .		0
20312	Mechanical properties of selected nanostructured materials and complex bio-nano, hybrid and hierarchical systems. International Materials Reviews, 2013, 58, 167-202.	19.3	18
20313	Fabrication of sensor based on MWCNT for NO_2 and NH_3 detection. , 2013, , .		3
20314	Toughness Enhancement by Aligned Multi-Walled Carbon Nanotubes Pullout from Polymer Matrix of Multi-Scale Composites. Key Engineering Materials, 2013, 575-576, 160-165.	0.4	0
20315	Formation, cathodoluminescence and field emission of ZnO quantum dots attached on oxygen plasma activated carbon nanotubes. , 2013, , .		0
20316	Synthesis and characterization of carbon nanotubes over iron carbide nanoparticles coated Al powder using thermal chemical vapor deposition. Applied Nanoscience (Switzerland), 2013, 3, 41-48.	3.1	4
20317	An alternative improved method for the homogeneous dispersion of CNTs in Cu matrix for the fabrication of Cu/CNTs composites. Applied Nanoscience (Switzerland), 2013, 3, 29-35.	3.1	25
20318	General and scalable route to synthesize nanowire-structured semiconducting metal oxides for gas-sensor applications. Journal of Alloys and Compounds, 2013, 549, 260-268.	5.5	32
20319	On shear-lag and thermal mismatch model in multiwalled carbon nanotube/copper matrix nanocomposites. Journal of Alloys and Compounds, 2013, 549, 82-87.	5.5	49
20320	Contextualizing the categorical imperative: Category linkages, technology focus, and resource acquisition in nanotechnology entrepreneurship. Journal of Business Venturing, 2013, 28, 117-133.	6.3	73
20321	Effect of morphology of the filler on the electrical behaviour of poly(l-lactide) nanocomposites. Journal of Physics and Chemistry of Solids, 2013, 74, 1-6.	4.0	16
20322	Structural and electronic properties of coaxial nanocables of AlN nanowire core and SiC nanotube sheath: A first-principles study. Journal of Physics and Chemistry of Solids, 2013, 74, 366-369.	4.0	3

#	ARTICLE	IF	CITATIONS
20323	Fabrication of novel microâ€‘nano carbonous composites based on self-made hollow activated carbon fibers. <i>Applied Surface Science</i> , 2013, 265, 352-357.	6.1	20
20324	Effects of deformation on the electronic properties of Bâ€‘Câ€‘N nanotubes. <i>Journal of Solid State Chemistry</i> , 2013, 197, 254-260.	2.9	11
20325	Nanostructured dimagnesium manganese oxide (Spinel): Control of size, shape and their magnetic and electro catalytic properties. <i>Journal of Solid State Chemistry</i> , 2013, 197, 392-397.	2.9	18
20326	Transport and retention of multi-walled carbon nanotubes in saturated porous media: Effects of input concentration and grain size. <i>Water Research</i> , 2013, 47, 933-944.	11.3	160
20327	Synthesis, optical properties, and chemicalâ€‘biological sensing applications of one-dimensional inorganic semiconductor nanowires. <i>Progress in Materials Science</i> , 2013, 58, 705-748.	32.8	71
20328	In situ polymerization and characterization of grafted poly (3,4-ethylenedioxythiophene)/multiwalled carbon nanotubes composite with high electrochemical performances. <i>Electrochimica Acta</i> , 2013, 87, 394-400.	5.2	61
20329	A simple approach to detect the nonlocal effects in the static analysis of Eulerâ€‘Bernoulli and Timoshenko beams. <i>Mechanics Research Communications</i> , 2013, 48, 66-69.	1.8	10
20330	Electron transport properties of air-exposed one-dimensional uneven peanut-shaped C60 polymer films. <i>Diamond and Related Materials</i> , 2013, 33, 12-15.	3.9	3
20331	Structural and Electrical Properties of Conducting Diamond Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1294-1301.	8.0	36
20332	A critical and benchmark comparison on graphene-, carbon nanotube-, and fullerene-semiconductor nanocomposites as visible light photocatalysts for selective oxidation. <i>Journal of Catalysis</i> , 2013, 299, 210-221.	6.2	166
20333	Removal of U(VI) from aqueous solutions by using MWCNTs and chitosan modified MWCNTs. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013, 295, 2233-2241.	1.5	52
20334	<i>In situ</i> preparation of high performance polyimide nanocomposites based on functionalized multiwalled carbon nanotubes. <i>Designed Monomers and Polymers</i> , 2013, 16, 108-115.	1.6	24
20335	Interactions Between Proteins and Carbonâ€‘Based Nanoparticles: Exploring the Origin of Nanotoxicity at the Molecular Level. <i>Small</i> , 2013, 9, 1546-1556.	10.0	132
20336	Bending Rigidity and Gaussian Bending Stiffness of Single-Layered Graphene. <i>Nano Letters</i> , 2013, 13, 26-30.	9.1	299
20337	Microstructure and mechanical property of multi-walled carbon nanotubes reinforced aluminum matrix composites fabricated by friction stir processing. <i>Materials & Design</i> , 2013, 45, 343-348.	5.1	201
20338	Effect of milling time and CNT concentration on hardness of CNT/Al2024 composites produced by mechanical alloying. <i>Materials Characterization</i> , 2013, 75, 13-19.	4.4	94
20339	Synthesis, stereocomplex crystallization, morphology and mechanical property of poly(lactide)â€‘carbon nanotube nanocomposites. <i>RSC Advances</i> , 2013, 3, 2219.	3.6	58
20340	A comprehensive study on the oscillation frequency of spherical fullerenes in carbon nanotubes under different system parameters. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2013, 18, 769-784.	3.3	32

#	ARTICLE	IF	CITATIONS
20341	Synthesis and Characterisation of Carbon Nanocomposites. Carbon Nanostructures, 2013, , 33-47.	0.1	11
20342	The production of carbon particles of different shapes produced by the chlorination of Cr(C ₅ H ₅) ₂ . Carbon, 2013, 52, 90-99.	10.3	7
20343	Transmission electron microscope as an ultimate tool for nanomaterial property studies. Microscopy (Oxford, England), 2013, 62, 157-175.	1.5	8
20344	Effect of the catalyst structure on the formation of carbon nanotubes over Ni/MgO catalyst. Diamond and Related Materials, 2013, 31, 50-57.	3.9	27
20346	Preparation of carbon nanodots from single chain polymeric nanoparticles and theoretical investigation of the photoluminescence mechanism. Journal of Materials Chemistry C, 2013, 1, 580-586.	5.5	158
20347	Studies on the thermal decomposition of multiwall carbon nanotubes under different atmospheres. Materials Letters, 2013, 90, 165-168.	2.6	138
20348	Shear induced formation of carbon and boron nitride nano-scrolls. Nanoscale, 2013, 5, 498-502.	5.6	68
20349	Sweet carbon nanostructures: carbohydrate conjugates with carbon nanotubes and graphene and their applications. Chemical Society Reviews, 2013, 42, 4532-4542.	38.1	111
20350	Fundamental optical processes in armchair carbon nanotubes. Nanoscale, 2013, 5, 1411.	5.6	56
20351	An Explicit Formula for Optical Oscillator Strength of Excitons in Semiconducting Single-Walled Carbon Nanotubes: Family Behavior. Nano Letters, 2013, 13, 54-58.	9.1	25
20352	Focusing on luminescent graphene quantum dots: current status and future perspectives. Nanoscale, 2013, 5, 4015.	5.6	1,295
20353	Field-Emission Characteristics of Selectively Grown CNTs. IEEE Transactions on Electron Devices, 2013, 60, 478-481.	3.0	4
20354	Silicon based microreactors for catalytic reduction in aqueous phase: Use of carbon nanofiber supported palladium catalyst. Chemical Engineering Journal, 2013, 227, 128-136.	12.7	12
20355	DFT Study of the Interactions of Carbon Monoxide with Pd-Decorated (6,0) Single-Walled Carbon Nanotube. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 12-18.	2.1	4
20356	Mechanical and Thermal Properties of Styrene Butadiene Rubber - Functionalized Carbon Nanotubes Nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 89-101.	2.1	20
20357	Theoretical Investigation of Relationship between Quantum Chemical Descriptors, Topological Indices, Energy and Electric Moments of Zig-zag Polyhex Carbon Nanotubes TUHC ₆ [2p,q] with Various Circumference [2p] and Fixed Lengths. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 102-112.	2.1	1
20358	Catalytic Decomposition of Methane to Carbon Nanotubes and Hydrogen: The Effect of Metal Loading on the Activity of CoO-MoO/Al ₂ O ₃ Catalyst. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 158-170.	2.1	13
20359	Biofunctionalized carbon nanotubes in neural regeneration: a mini-review. Nanoscale, 2013, 5, 487-497.	5.6	83

#	ARTICLE	IF	CITATIONS
20360	Electrochemical activation of polyethyleneimine-wrapped carbon nanotubes/in situ formed gold nanoparticles functionalised nanocomposite sensor for high sensitive and selective determination of dopamine. Journal of Electroanalytical Chemistry, 2013, 692, 1-8.	3.8	39
20361	Preparation and characterization of hydroxylated multi-walled carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 421, 9-15.	4.7	60
20362	Fullerene-like models for microporous carbon. Journal of Materials Science, 2013, 48, 565-577.	3.7	111
20363	Applications of Nanomaterial-Based Membranes in Pollution Control. Critical Reviews in Environmental Science and Technology, 2013, 43, 2389-2438.	12.8	21
20364	Asbestos-like Pathogenicity of Long Carbon Nanotubes Alleviated by Chemical Functionalization. Angewandte Chemie - International Edition, 2013, 52, 2274-2278.	13.8	153
20365	A molecular structural mechanics model applied to the static behavior of single-walled carbon nanotubes: New general formulation. Computers and Structures, 2013, 127, 68-87.	4.4	18
20366	Coating carbon nanotubes with crystalline manganese dioxide nanoparticles and their application for lead ions removal from model and real water. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2013, 419, 69-79.	4.7	69
20367	Molecular dynamics studies of the influence of single wall carbon nanotubes on the mechanical properties of Poly(vinylidene fluoride). Computational Materials Science, 2013, 68, 73-80.	3.0	55
20368	A facile and novel synthetic method for the preparation of hydroxyl capped fluorescent carbon nanoparticles. Colloids and Surfaces B: Biointerfaces, 2013, 102, 63-69.	5.0	38
20369	Two experiments that impacted the fate of fullerenes. Chemical Communications, 2013, 49, 1039-1041.	4.1	4
20370	Chirality Dependence of Electron Transport Properties of Single-Walled GeC Nanotubes. Journal of Physical Chemistry C, 2013, 117, 515-521.	3.1	11
20371	Coherent phonon generation in semiconducting single-walled carbon nanotubes using a few-cycle pulse laser. Journal of Luminescence, 2013, 133, 157-161.	3.1	0
20372	Thickness effects on the quantum conductance of single wall carbon nanotube junctions. Diamond and Related Materials, 2013, 31, 10-14.	3.9	0
20373	Highly branched polyurethane: Synthesis, characterization and effects of branching on dispersion of carbon nanotubes. Composites Part B: Engineering, 2013, 45, 165-171.	12.0	31
20374	Characterization of ZnO flowers of hexagonal prisms with planar and hexagonal pyramid tips grown on Zn substrates by a hydrothermal process. Superlattices and Microstructures, 2013, 53, 195-203.	3.1	16
20375	The Atomic Structure of Graphene and Its Few-layer Counterparts. , 2013, , 5-59.		4
20376	Synthesis of Ag nanoparticles decorated multiwalled carbon nanotubes using dialdehydestarch as complexant and reductant for antibacterial purposes. RSC Advances, 2013, 3, 918-922.	3.6	14
20377	Emerging chirality in nanoscience. Chemical Society Reviews, 2013, 42, 2930-2962.	38.1	468

#	ARTICLE	IF	CITATIONS
20378	Organic Synthesis on Graphene. Accounts of Chemical Research, 2013, 46, 2297-2306.	15.6	68
20379	Effect of Micro-Additions of Carbon Nanotubes to Polymethylmethacrylate on Reduction in Polymerization Shrinkage. Journal of Prosthodontics, 2013, 22, 105-111.	3.7	23
20380	Electrocatalytic carbonaceous materials for counter electrodes in dye-sensitized solar cells. Journal of Materials Chemistry A, 2013, 1, 3202-3215.	10.3	59
20381	Tuning zinc(ii) coordination polymers based on bis(1,2,4-triazol-1-yl)ethane and 5-substituted 1,3-benzenedicarboxylates: syntheses, structures and properties. CrystEngComm, 2013, 15, 471-481.	2.6	51
20382	Theoretical Study of (CO) _{n=1, 2} Adsorption on the (6,0) Zigzag Single-walled Carbon Nanotube. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 117-124.	2.1	2
20383	Determination of the mechanical constants of ZnS nanobelt by combining nanoindentation test and finite element method. International Journal of Solids and Structures, 2013, 50, 487-497.	2.7	4
20384	Safety Considerations for Graphene: Lessons Learnt from Carbon Nanotubes. Accounts of Chemical Research, 2013, 46, 692-701.	15.6	285
20385	Effects of carbon nanotubes addition on the composition and mechanical properties of AlMgB ₁₄ ceramics. Journal of Composite Materials, 2013, 47, 3187-3193.	2.4	0
20386	Carbon nanomaterials for electronics, optoelectronics, photovoltaics, and sensing. Chemical Society Reviews, 2013, 42, 2824-2860.	38.1	1,105
20387	Microparticles and Nanoparticles. , 2013, , 360-388.		14
20388	Mechanically alloyed nanocomposites. Progress in Materials Science, 2013, 58, 383-502.	32.8	622
20389	Three dimensional macroporous architectures and aerogels built of carbon nanotubes and/or graphene: synthesis and applications. Chemical Society Reviews, 2013, 42, 794-830.	38.1	1,065
20390	The controlled formation of hybrid structures of multi-walled carbon nanotubes on SiC plate-like particles and their synergetic effect as a filler in poly(vinylidene fluoride) based composites. Carbon, 2013, 51, 355-364.	10.3	33
20391	Ordered Si/SiO ₂ nanowire array and its optical properties. Applied Physics A: Materials Science and Processing, 2013, 110, 479-485.	2.3	6
20392	Electric field effect on the zigzag (6,0) single-wall BC ₂ N nanotube for use in nano-electronic circuits. Journal of Molecular Modeling, 2013, 19, 97-107.	1.8	11
20393	Density functional investigation of CO adsorption on Ni-doped single-walled armchair (5,5) boron nitride nanotubes. Journal of Molecular Modeling, 2013, 19, 239-245.	1.8	24
20394	Hydrogen dissociation on diene-functionalized carbon nanotubes. Journal of Molecular Modeling, 2013, 19, 255-261.	1.8	72
20395	Carbon nanotube functionalization with carboxylic derivatives: a DFT study. Journal of Molecular Modeling, 2013, 19, 391-396.	1.8	63

#	ARTICLE	IF	CITATIONS
20396	Nitrous oxide adsorption on pristine and Si-doped AlN nanotubes. Journal of Molecular Modeling, 2013, 19, 943-949.	1.8	36
20397	Electrochemical production, characterization, and application of MWCNTs. Journal of Solid State Electrochemistry, 2013, 17, 399-407.	2.5	17
20398	Effect of multi-walled carbon nanotube dispersion on the electrical and rheological properties of poly(propylene carbonate)/poly(lactic acid)/multi-walled carbon nanotube composites. Journal of Materials Science, 2013, 48, 481-488.	3.7	50
20399	Preparation of Carbon Nanotubes Using Iron Oxide(III) Nanoparticles Size-Controlled by Phenylazomethine Dendrimers. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 223-226.	3.7	8
20400	Natural gas storage on silicon, carbon, and silicon carbide nanotubes: a combined quantum mechanics and grand canonical Monte Carlo simulation study. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	12
20401	Characterization of silica-functionalized carbon nanotubes dispersed in water. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	28
20402	Enhanced electromagnetic interference shielding effectiveness of polyaniline functionalized carbon nanotubes filled polystyrene composites. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	116
20404	PEGylated Multi-Walled Carbon Nanotubes for Encapsulation and Sustained Release of Oxaliplatin. Pharmaceutical Research, 2013, 30, 412-423.	3.5	76
20405	Piezoresistive response to changes in contributive tunneling film network of carbon nanotube/silicone rubber composite under multi-load/unload. Sensors and Actuators A: Physical, 2013, 189, 45-54.	4.1	51
20406	Synthesis of Metal Oxide Nanomaterials for Chemical Sensors by Molecular Beam Epitaxy. , 2013, , 189-224.		0
20407	A distinct element method for large scale simulations of carbon nanotube assemblies. Journal of the Mechanics and Physics of Solids, 2013, 61, 762-782.	4.8	62
20408	Synthesis of Fe ₂ O ₃ @CNT/graphene hybrid materials with an open three-dimensional nanostructure for high capacity lithium storage. Nano Energy, 2013, 2, 425-434.	16.0	120
20409	The role of electron-phonon interaction on the electronic property of metallic zigzag and armchair carbon nano tubes. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 48, 66-69.	2.7	4
20410	Carbon Nanotubes: Present and Future Commercial Applications. Science, 2013, 339, 535-539.	12.6	4,612
20411	Site-Specific Immobilization of Single-Walled Carbon Nanotubes onto Single and One-Dimensional DNA Origami. Journal of the American Chemical Society, 2013, 135, 2451-2454.	13.7	55
20412	Growth of carbon nanotubes over non-metallic based catalysts: A review on the recent developments. Catalysis Today, 2013, 217, 1-12.	4.4	37
20413	Capability of charge signal conversion and transmission by water chains confined inside Y-shaped carbon nanotubes. Journal of Chemical Physics, 2013, 138, 015104.	3.0	11
20414	Synthesis of Fullerene@Carbon Nanotube, and Graphene@TiO ₂ Nanocomposite Photocatalysts for Selective Oxidation: A Comparative Study. ACS Applied Materials & Interfaces, 2013, 5, 1156-1164.	8.0	340

#	ARTICLE	IF	CITATIONS
20415	Surfactant-Assisted Assembly of Fullerene (C ₆₀) Nanorods and Nanotubes Formed at a Liquid–Liquid Interface. <i>Langmuir</i> , 2013, 29, 7195-7202.	3.5	67
20416	STM-Based Molecular Junction of Carbon Nano–Onion. <i>ChemPhysChem</i> , 2013, 14, 96-100.	2.1	37
20417	One Step Deposition of Sol–Gel Carbon Nanotubes Biocomposite for Reagentless Electrochemical Devices. <i>Electroanalysis</i> , 2013, 25, 85-93.	2.9	17
20418	Enhanced separation of C ₆₀ compound X ₂ using functionalized carbon nanotubes with cationic surfactant solutions in MEEKC. <i>Electrophoresis</i> , 2013, 34, 324-330.	2.4	19
20419	Oxygen Reduction Reaction (ORR) on Huge Gold (Au) Particles Prepared by a Pyrolysis Process of AuCl ₃ Dissolved in Distilled Water in the Presence of MWCNTs. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 73-80.	1.4	4
20420	Effects of modified attapulgite on the properties of attapulgite/epoxy nanocomposites. <i>Polymer Composites</i> , 2013, 34, 22-31.	4.6	40
20421	Polymer coating of carboxylic acid functionalized multiwalled carbon nanotubes via reversible addition–fragmentation chain transfer mediated emulsion polymerization. <i>Journal of Polymer Science Part A</i> , 2013, 51, 250-257.	2.3	48
20422	Raman spectroscopic investigation of carbon-based materials and their composites. Comparison between carbon nanotubes and carbon black. <i>Chemical Physics Letters</i> , 2013, 590, 153-159.	2.6	124
20423	Nitrogen-doping improves surface reactivity of carbon nanocone. <i>Superlattices and Microstructures</i> , 2013, 62, 140-148.	3.1	3
20424	Formation of crosslinked-fullerene-like framework as negative replica of zeolite Y. <i>Carbon</i> , 2013, 62, 455-464.	10.3	66
20425	Direct conversion of natural gas into CO _x -free hydrogen and MWCNTs over commercial Ni–Mo/Al ₂ O ₃ catalyst: Effect of reaction parameters. <i>Egyptian Journal of Petroleum</i> , 2013, 22, 27-34.	2.6	23
20426	Enhanced nucleation of Ni nanoparticles on TiN through H ₃ BO ₃ -mediated growth inhibition. <i>Electrochimica Acta</i> , 2013, 109, 411-418.	5.2	18
20427	Solvothermal synthesis of carbon nanostructure and its influence on thermal stability of polystyrene. <i>Composites Part B: Engineering</i> , 2013, 55, 362-367.	12.0	21
20428	Synthesis of well-aligned ZnO nanorods on silicon substrate at lower temperature. <i>Journal of Alloys and Compounds</i> , 2013, 580, 120-124.	5.5	25
20429	Limited transport of functionalized multi-walled carbon nanotubes in two natural soils. <i>Environmental Pollution</i> , 2013, 180, 152-158.	7.5	62
20430	Incorporation of Carvedilol into PAMAM-functionalized MWNTs as a sustained drug delivery system for enhanced dissolution and drug-loading capacity. <i>Asian Journal of Pharmaceutical Sciences</i> , 2013, 8, 278-286.	9.1	26
20431	A Review of Advances of Nanotechnology in Asphalt Mixtures. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 96, 1269-1276.	0.5	207
20432	Enhanced performances in primary lithium batteries of fluorinated carbon nanofibers through static fluorination. <i>Electrochimica Acta</i> , 2013, 114, 142-151.	5.2	50

#	ARTICLE	IF	CITATIONS
20433	High performance carbon nanotube spun yarns from a crosslinked network. Carbon, 2013, 52, 520-527.	10.3	48
20434	Improved field electron emission from SiC assisted carbon nanorod/nanotube heterostructured arrays by using energetic Si ion irradiation. Surface and Coatings Technology, 2013, 228, S323-S327.	4.8	6
20435	Strong carbon nanotube macro-films with retained deformability at fairly low temperatures. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 47, 285-289.	2.7	2
20436	Simple and fast fluorimetric determination of the critical gel concentration of soft nanomaterials. Analytica Chimica Acta, 2013, 785, 91-97.	5.4	4
20437	Formation of carbon nanotubes catalyzed by rare earth oxides. New Carbon Materials, 2013, 28, 191-198.	6.1	4
20438	Filling carbon nanotubes with Ni-Fe alloys via methylbenzene-oriented constant current electrodeposition for hydrazine electrocatalysis. Applied Surface Science, 2013, 270, 128-132.	6.1	27
20439	Interactions of lead with carboxyl and hydroxyl-decorated(10, 0) single-walled carbon nanotubes: First-principle calculations. Applied Surface Science, 2013, 285, 198-204.	6.1	12
20440	Formation of graphitic rods in carbon/carbon composites reinforced with carbon nanotubes. Carbon, 2013, 52, 617-620.	10.3	17
20441	Non-local wave propagation in embedded armchair TWBNNTs conveying viscous fluid using DQM. Physica B: Condensed Matter, 2013, 418, 1-15.	2.7	21
20442	On a nanoscopically-informed shell theory of single-wall carbon nanotubes. European Journal of Mechanics, A/Solids, 2013, 42, 137-157.	3.7	15
20443	Synthesis and dielectric relaxation behavior of metallic Bi ₂ Te ₃ nanotubes. Materials Letters, 2013, 108, 25-28.	2.6	5
20444	Antibacterial activity and reusability of CNT-Ag and GO-Ag nanocomposites. Applied Surface Science, 2013, 283, 227-233.	6.1	90
20445	Zinc oxide nanostructure decorated amorphous carbon nanotubes: An improved field emitter. Diamond and Related Materials, 2013, 34, 50-59.	3.9	22
20446	Improvement of carbon nanotubes dispersion by chitosan salt and its application in silicone rubber. Composites Science and Technology, 2013, 86, 129-134.	7.8	45
20447	Catalase immobilized on a functionalized multi-walled carbon nanotubes-gold nanocomposite as a highly sensitive bio-sensing system for detection of hydrogen peroxide. Electrochimica Acta, 2013, 89, 317-325.	5.2	33
20448	Effect of ammonia gas addition to the synthesis environment of single-walled carbon nanotubes on their surface chemistry. Chemical Engineering Journal, 2013, 230, 80-92.	12.7	4
20449	Bandstructure modulation for Si-h and Si-g nanotubes in a transverse electric field: Tight binding approach. Superlattices and Microstructures, 2013, 63, 79-90.	3.1	14
20450	Synthesis and magnetic properties of aligned carbon nanotubes by microwave-assisted pyrolysis of acetylene. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 54, 185-190.	2.7	7

#	ARTICLE	IF	CITATIONS
20451	Carbon nanocylinders with high spectroscopic and electrocatalytic activities: An electrochemical route to superfill the gaps in vertically aligned carbon nanotubes for cutting them into specific lengths. Carbon, 2013, 61, 270-277.	10.3	5
20452	Oxidative degradation of RB19 dye by a novel $\text{I}^3\text{-MnO}_2\text{/MWCNT}$ nanocomposite catalyst with H_2O_2 . Journal of Environmental Chemical Engineering, 2013, 1, 858-864.	6.7	55
20453	The role of photochemical transformations in the aggregation and deposition of carboxylated multiwall carbon nanotubes suspended in water. Carbon, 2013, 55, 81-89.	10.3	33
20454	Electronic features induced by Stone-Wales defects in zigzag and chiral carbon nanotubes. Computational Materials Science, 2013, 79, 82-86.	3.0	15
20455	Using hydrocarbon as a carbon source for synthesis of carbon nanotube by electric field induced needle-pulsed plasma. Thin Solid Films, 2013, 534, 162-167.	1.8	6
20456	Effect of temperature and distribution function of depolarization factor on thermal conductivity of carbon nanotube-based composites. Superlattices and Microstructures, 2013, 64, 439-450.	3.1	3
20457	Covalent functionalization of AlN nanotubes with acetylene. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 47, 147-151.	2.7	8
20458	Multi-walled carbon nanotubes-dispersive solid-phase extraction combined with liquid chromatography-tandem mass spectrometry for the analysis of 18 sulfonamides in pork. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2013, 929, 107-115.	2.3	62
20459	Self-assembled array of rectangular single-crystal microtubes of perchlorinated copper phthalocyanines. Progress in Natural Science: Materials International, 2013, 23, 543-548.	4.4	5
20460	Growth and structure of carbon nanotubes based novel catalyst for ultrafast nano-temperature sensor application. Superlattices and Microstructures, 2013, 54, 1-6.	3.1	18
20461	Effects of gas adsorption on the electronic properties of graphene nanoribbons. Physica B: Condensed Matter, 2013, 417, 75-78.	2.7	19
20462	Secondary growth of CNTs on the surface of CNTs for the formation of a high-density network structure. Current Applied Physics, 2013, 13, S84-S87.	2.4	4
20463	Nitrogen-doped carbon nanotubes synthesized on metal substrates from a single precursor. Materials Letters, 2013, 113, 114-117.	2.6	6
20464	Microwave sintering carbon nanotube/ $\text{Ni}_0.5\text{Zn}_0.5\text{Fe}_2\text{O}_4$ composites and their electromagnetic performance. Journal of the European Ceramic Society, 2013, 33, 2119-2126.	5.7	47
20465	Acid-mediated isolation of individually dispersed SWCNTs from electrostatically tethered nanoplatelet dispersants. Carbon, 2013, 56, 374-382.	10.3	8
20466	A high-speed and high-performance full adder cell based on 32-nm CNFET technology for low voltages. International Journal of High Performance Systems Architecture, 2013, 4, 196.	0.3	6
20467	Utilization of silane functionalized carbon nanotubes-silica hybrids as novel reinforcing fillers for solution styrene butadiene rubber. Polymer Composites, 2013, 34, 690-696.	4.6	32
20468	Platinum Electrodeposition on Unsupported Single Wall Carbon Nanotubes and Its Application as Methane Sensing Material. Journal of the Electrochemical Society, 2013, 160, H98-H104.	2.9	29

#	ARTICLE	IF	CITATIONS
20469	Electronic relaxation and coherent phonon dynamics in semiconducting single-walled carbon nanotubes with several chiralities. <i>Physical Review B</i> , 2013, 88, .	3.2	17
20470	Compression behavior of magnesium/carbon nanotube composites. <i>Journal of Materials Research</i> , 2013, 28, 1877-1884.	2.6	27
20471	Elastic-resilience-induced dispersion of carbon nanotubes: a novel way of fabricating high performance elastomer. <i>Nanotechnology</i> , 2013, 24, 465708.	2.6	8
20472	Application of Poly(4-vinylpyridine) to Multiwalled Carbon Nanotube Composite for Enrichment of Trace Hg(II). <i>Plasma Processes and Polymers</i> , 2013, 10, 931-937.	3.0	8
20473	Test of A CNT gyroscope based on field emission. , 2013, , .		0
20474	Carbon Nanofibers Grown on Anatase Washcoated Cordierite Monolith and Its Supported Palladium Catalyst for Cinnamaldehyde Hydrogenation. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 1224-1233.	3.7	37
20475	First-principles study of the structural, energetic and electronic properties of C ₂₀ -carbon nanobuds. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2013, 21, 035006.	2.0	5
20476	Plasma processing for carbon nanomaterials. Syntheses of nanostructures and their process control by numerical simulation of plasma. <i>Electronics and Communications in Japan</i> , 2013, 96, 1-8.	0.5	2
20477	Novel catalyst based on Co-complex to prepare MWCNT. <i>Materials Letters</i> , 2013, 109, 163-166.	2.6	2
20478	The influence of mechanical dispersion of MWCNT in epoxy matrix by calendaring method: Batch method versus time controlled. <i>Composites Part B: Engineering</i> , 2013, 48, 88-94.	12.0	34
20479	Quantitative evaluation of carbon nanotube dispersion through scanning electron microscopy images. <i>Composites Science and Technology</i> , 2013, 87, 170-173.	7.8	26
20480	B12N12 sodalite like cage as potential sensor for hydrogen cyanide. <i>Computational and Theoretical Chemistry</i> , 2013, 1024, 28-33.	2.5	42
20481	Role of alkaline earth metals adsorption on capped single-walled carbon nanotubes based on first-principles calculations. <i>Physica B: Condensed Matter</i> , 2013, 408, 46-50.	2.7	7
20482	An in situ fabrication process for highly electrical conductive polyimide/MWCNT composite films using 2,6-diaminoanthraquinone. <i>Composites Science and Technology</i> , 2013, 87, 174-181.	7.8	31
20483	Electrochemical and electromechanical properties of high-performance polymer actuators containing vapor grown carbon nanofiber and metal oxide. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 1065-1073.	7.8	12
20485	Application of an electrostatically actuated cantilevered carbon nanotube with an attached mass as a bio-mass sensor. <i>Current Applied Physics</i> , 2013, 13, 1463-1469.	2.4	38
20486	Synergetic carbon nanotube growth. <i>Carbon</i> , 2013, 62, 61-68.	10.3	5
20487	DNA interaction of [Cu(dmp)(phen-dion)] (dmp=4,7 and 2,9 dimethyl phenanthroline,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 72 chitosan-carbon nanotubes composite film. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 642-649.	3.9	10

#	ARTICLE	IF	CITATIONS
20488	Sound wave propagation in zigzag double-walled carbon nanotubes embedded in an elastic medium using nonlocal elasticity theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 48, 118-123.	2.7	29
20489	A refined analysis of the influence of the carbon nanotube distribution on the macroscopic stiffness of composites. <i>Computational Materials Science</i> , 2013, 77, 189-193.	3.0	13
20490	Phenomenological constitutive model for a CNT turf. <i>International Journal of Solids and Structures</i> , 2013, 50, 2224-2230.	2.7	10
20491	Role of acetylenic bonds in the mechanical, electronic and optical properties of yne-diamonds. <i>Diamond and Related Materials</i> , 2013, 37, 55-63.	3.9	9
20492	Optical absorption of zigzag single walled boron nitride nanotubes in axial magnetic field. <i>Solid State Sciences</i> , 2013, 25, 70-77.	3.2	1
20493	Effects of heat treatment temperature on microstructure and electromagnetic properties of ordered mesoporous carbon. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 1652-1660.	4.2	20
20494	Investigating the mechanism of collective bidirectional growth of carbon nanofiber carpets on metallic substrates. <i>Carbon</i> , 2013, 63, 498-507.	10.3	14
20495	Development of electrically conductive and anisotropic gel-coat systems using CNTs. <i>Progress in Organic Coatings</i> , 2013, 76, 963-965.	3.9	14
20496	Influences of perfluorooctanoic acid on the aggregation of multi-walled carbon nanotubes. <i>Journal of Environmental Sciences</i> , 2013, 25, 466-472.	6.1	4
20497	Selective adsorption behavior of BC ₂ N nanotubes toward fluoride and chloride. <i>Solid State Communications</i> , 2013, 159, 8-12.	1.9	24
20498	Bare gold nanoparticles mediated surface-enhanced Raman spectroscopic determination and quantification of carboxylated single-walled carbon nanotubes. <i>Analytica Chimica Acta</i> , 2013, 788, 122-128.	5.4	33
20499	Axial vibration of non-uniform and non-homogeneous nanorods based on nonlocal elasticity theory. <i>Applied Mathematics and Computation</i> , 2013, 219, 4933-4941.	2.2	18
20500	Uracil-functionalized ultra-small (n,0) boron nitride nanotubes (n=3-6): Computational studies. <i>Superlattices and Microstructures</i> , 2013, 57, 44-50.	3.1	12
20501	Enhanced thermal and electrical properties of poly (D,L-lactide)/multi-walled carbon nanotubes composites by in-situ polymerization. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 1421-1427.	4.2	33
20502	Developing nanoscale inertial sensor based on graphite-flake with self-retracting motion. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 50, 44-50.	2.7	11
20503	Synthesis and structure of carbon belts made of carbon nanofibers supported on carbon foams. <i>Carbon</i> , 2013, 61, 386-394.	10.3	4
20504	Hemin-graphene oxide-pristine carbon nanotubes complexes with intrinsic peroxidase-like activity for the detection of H ₂ O ₂ and simultaneous determination for Trp, AA, DA, and UA. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 496-501.	7.8	70
20505	In situ activated nanostructured platform for oxidized glutathione biosensing. <i>Electrochimica Acta</i> , 2013, 90, 309-316.	5.2	10

#	ARTICLE	IF	CITATIONS
20506	Wave characteristics of single-walled fluid-conveying carbon nanotubes subjected to multi-physical fields. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 52, 97-105.	2.7	32
20507	Decomposition of methanol on nanosized tube of magnesium oxide: A theoretical study. <i>Computational Materials Science</i> , 2013, 79, 182-186.	3.0	32
20508	Investigation of the interfacial phases formed between carbon nanotubes and aluminum in a bulk material. <i>Materials Chemistry and Physics</i> , 2013, 138, 787-793.	4.0	46
20509	Nanoscope observations for evaluating the failure process of aligned multi-walled carbon nanotube/epoxy composites. <i>Composites Science and Technology</i> , 2013, 88, 48-56.	7.8	20
20510	Adsorption and desorption of thallium(I) on multiwalled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2013, 219, 403-410.	12.7	96
20511	Stochastic FEM on nonlinear vibration of fluid-loaded double-walled carbon nanotubes subjected to a moving load based on nonlocal elasticity theory. <i>Composites Part B: Engineering</i> , 2013, 54, 391-399.	12.0	34
20512	Improvement of electrical conductivity of silicon nitride/carbon nano-fibers composite using magnesium silicon nitride and ytterbium oxide as sintering additives. <i>Journal of the European Ceramic Society</i> , 2013, 33, 2429-2434.	5.7	7
20513	Control of carbon helix fiber formation and fiber composition over Cu/SrO catalyst mixtures. <i>Materials Research Bulletin</i> , 2013, 48, 2347-2350.	5.2	3
20514	A stable interface based on aryl diazonium salts/SWNTs modified gold electrodes for sensitive detection of hydrogen peroxide. <i>Journal of Electroanalytical Chemistry</i> , 2013, 703, 63-69.	3.8	16
20515	Effect of compounding sequence on localization of carbon nanotubes and electrical properties of ternary nanocomposites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013, 49, 35-41.	7.6	31
20516	Quantitative evaluation of initial galvanic corrosion behavior of CNTs reinforced Mg-Al alloy. <i>Advanced Powder Technology</i> , 2013, 24, 833-837.	4.1	29
20517	Surface modified carbon cloth for use in electrochemical capacitor. <i>Applied Surface Science</i> , 2013, 285, 483-489.	6.1	21
20518	Improving immunosensor performance through oriented immobilization of antibodies on carbon nanotube composite surfaces. <i>Biosensors and Bioelectronics</i> , 2013, 43, 274-280.	10.1	48
20519	Field electron emission properties of vertically aligned carbon nanotubes deposited on a nanostructured porous silicon template: The hidden role of the hydrocarbon/catalyst ratio. <i>Microelectronic Engineering</i> , 2013, 108, 86-92.	2.4	9
20520	Characteristics of nylon 6,6/nylon 6,6 grafted multi-walled carbon nanotube composites fabricated by reactive extrusion. <i>Carbon</i> , 2013, 60, 317-325.	10.3	33
20521	Coronal multi-walled silicon nanotubes. <i>Journal of Energy Chemistry</i> , 2013, 22, 408-412.	12.9	12
20522	Electromagnetic and microwave absorbing properties of amorphous carbon nanotube-cadmium selenide quantum dot hybrids. <i>Materials Chemistry and Physics</i> , 2013, 139, 66-72.	4.0	26
20523	Sensitive electron capture decay rate of ⁷ Be encapsulated in carbon nanotubes: A density functional study. <i>Chemical Physics Letters</i> , 2013, 561-562, 137-141.	2.6	5

#	ARTICLE	IF	CITATIONS
20524	1D-confinement of polyiodides inside single-wall carbon nanotubes. Carbon, 2013, 52, 100-108.	10.3	19
20525	Effects of nonlocal elasticity and slip condition on vibration of nano-plate coupled with fluid flow. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 48, 85-95.	2.7	13
20526	Evaluation of interfacial properties of atmospheric pressure plasma-treated CNT-phenolic composites by dual matrix fragmentation and acoustic emission tests. Composites Part A: Applied Science and Manufacturing, 2013, 52, 151-158.	7.6	17
20527	The effect of carbon input on the morphology and attachment of carbon nanotubes grown directly from stainless steel. Carbon, 2013, 63, 348-357.	10.3	51
20528	The characteristics of carbon nanotubes grown at low temperature for electronic device application. Thin Solid Films, 2013, 546, 81-84.	1.8	6
20529	Growth of high-density parallel arrays of ultralong carbon nanotubes with catalysts pinned by silica nanospheres. Carbon, 2013, 52, 535-540.	10.3	17
20530	Magnetotransport properties in magnetic nanotubes studied using Monte Carlo simulations. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 52, 86-91.	2.7	9
20531	Strong UV intensity enhancement in ZnO nanorods via surface modification of formic acid. Materials Science in Semiconductor Processing, 2013, 16, 1931-1935.	4.0	1
20532	Degradation of 2-chlorophenol using carbon nanotube/titanium oxide composite prepared by hydrothermal method. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 432-437.	5.3	12
20533	Exponentially increased nucleation ability for poly(L-lactide) by adding acid-oxidized multiwalled carbon nanotubes with reduced aspect ratios. Science China Chemistry, 2013, 56, 181-194.	8.2	16
20534	Electrochemical responses of carbon nanotubes-based films printed on polymer substances. Ionics, 2013, 19, 335-341.	2.4	13
20535	Quantum Transport Properties of Graphene Nanoribbons with Defects and Dephasing Scattering Processes. Journal of Electronic Materials, 2013, 42, 1-9.	2.2	14
20536	Linear Optical Response of Silicon Nanotubes Under Axial Magnetic Field. Journal of Electronic Materials, 2013, 42, 58-70.	2.2	6
20537	Growth mechanisms for atypical forms of silicon nanowires. Metals and Materials International, 2013, 19, 87-92.	3.4	1
20539	Carbon Nanotubes: Synthesis, Structure, Functionalization, and Characterization. Topics in Current Chemistry, 2013, 350, 65-109.	4.0	10
20540	A General Strategy Towards Encapsulation of Nanoparticles in Sandwiched Graphene Sheets and the Synergic Effect on Energy Storage. Chemistry - A European Journal, 2013, 19, 3340-3347.	3.3	33
20541	Comparative study of membranotropic action of single- and multi-walled carbon nanotubes. Journal of Bioscience and Bioengineering, 2013, 115, 674-679.	2.2	21
20542	Wet Chemical Functionalization of Graphene. Accounts of Chemical Research, 2013, 46, 87-96.	15.6	221

#	ARTICLE	IF	CITATIONS
20543	Luminophores and Carbon Nanotubes: An Odd Combination?. Journal of Physical Chemistry Letters, 2013, 4, 767-778.	4.6	10
20544	Material Drag Phenomena in Nanotubes. Chemical Reviews, 2013, 113, 3372-3390.	47.7	42
20545	The effect of small scale on the pull-in instability of nano-switches using DQM. International Journal of Solids and Structures, 2013, 50, 1193-1202.	2.7	60
20546	Effect of chemical doping of boron and nitrogen on the electronic, optical, and electrochemical properties of carbon nanotubes. Progress in Materials Science, 2013, 58, 565-635.	32.8	276
20547	Carbon nanotube bundling: influence on layer-by-layer assembly and antimicrobial activity. Soft Matter, 2013, 9, 2136.	2.7	32
20548	Free vibration analysis of quadrilateral nanoplates based on nonlocal continuum models using the Galerkin method: the effects of small scale. Meccanica, 2013, 48, 971-982.	2.0	21
20549	Nanocomposites based on polyurethanes and carbon nanoparticles: preparation, properties and application. Journal of Materials Chemistry A, 2013, 1, 6509.	10.3	55
20551	The electrical response of carbon nanotube-based thin film sensors subjected to mechanical and environmental effects. Smart Materials and Structures, 2013, 22, 025010.	3.5	30
20552	Application of multiwalled carbon nanotubes modified by diphenylcarbazine for selective solid phase extraction of ultra traces Cd(II) in water samples and food products. Food Chemistry, 2013, 141, 48-53.	8.2	74
20553	Silver nanoparticles deposited multiwalled carbon nanotubes for removal of Cu(II) and Cd(II) from water: Surface, kinetic, equilibrium, and thermal adsorption properties. Chemical Engineering Journal, 2013, 223, 806-815.	12.7	85
20554	Chapter 1. Conducting Polymer-based Carbon Nanotube Composites: Preparation and Applications. RSC Nanoscience and Nanotechnology, 2013, , 1-21.	0.2	2
20555	Lysozyme binds onto functionalized carbon nanotubes. Colloids and Surfaces B: Biointerfaces, 2013, 108, 16-22.	5.0	12
20556	Thermal Buckling Behavior of Nanobeams Using an Efficient Higher-Order Nonlocal Beam Theory. Journal of Nanomechanics & Micromechanics, 2013, 3, 37-42.	1.4	81
20557	Microwave-assisted hydrothermal synthesis of sphere-like C/CuO and CuO nanocrystals and improved performance as anode materials for lithium-ion batteries. Powder Technology, 2013, 241, 43-48.	4.2	17
20558	Understanding the catalyst-free transformation of amorphous carbon into graphene by current-induced annealing. Scientific Reports, 2013, 3, .	3.3	82
20559	A high temperature X-ray diffraction study of the influence of MWCNTs on the thermal expansion of MWCNT/Ni composites. Carbon, 2013, 51, 404-409.	10.3	25
20560	Computational and experimental studies of the interaction between single-walled carbon nanotubes and folic acid. Chemical Physics Letters, 2013, 564, 60-64.	2.6	12
20561	Graphynes and graphdienes. Progress in Solid State Chemistry, 2013, 41, 1-19.	7.2	346

#	ARTICLE	IF	CITATIONS
20562	A simple solution for the determination of pristine carbon nanotube concentration. Analyst, The, 2013, 138, 1490.	3.5	30
20563	Polylactic Acid Based Blends, Composites and Nanocomposites. Advanced Structured Materials, 2013, , 361-396.	0.5	20
20564	Large-scale manufacture of ZnO nanorods by flame spray pyrolysis. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	24
20565	A Review of Carbon Nanotube and Graphene Based Flexible Thin Film Transistors. Small, 2013, 9, 1188-1205.	10.0	268
20566	Highly sensitive room temperature carbon monoxide detection using SnO ₂ nanoparticle-decorated semiconducting single-walled carbon nanotubes. Nanotechnology, 2013, 24, 025503.	2.6	27
20567	Carbon nanotubes: controlled growth and application. Materials Today, 2013, 16, 19-28.	14.2	84
20568	Irradiation induced field fluctuations in graphite. Nuclear Instruments & Methods in Physics Research B, 2013, 298, 33-41.	1.4	0
20569	Electronic Structure of Graphdiyne Probed by X-ray Absorption Spectroscopy and Scanning Transmission X-ray Microscopy. Journal of Physical Chemistry C, 2013, 117, 5931-5936.	3.1	62
20570	Nanotechnology for implantable sensors: carbon nanotubes and graphene in medicine. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 233-249.	6.1	58
20571	The role of band structure in electron transfer kinetics in low-dimensional carbon. Materialwissenschaft Und Werkstofftechnik, 2013, 44, 226-230.	0.9	13
20572	The influence of titanium nitride barrier layer on the properties of CNT bundles. , 2013, , .		0
20573	Multiwall Nanotubes, Multilayers, and Hybrid Nanostructures: New Frontiers for Technology and Raman Spectroscopy. ACS Nano, 2013, 7, 1838-1844.	14.6	49
20574	Gas sensors using carbon nanomaterials: A review. Sensors and Actuators B: Chemical, 2013, 179, 32-45.	7.8	549
20576	Adsorption of Pb(II) from Aqueous Solutions by Chemically Modified Zeolite supported Carbon Nanotubes: Equilibrium, Kinetic, and Thermodynamic Studies. Separation Science and Technology, 2013, 48, 403-412.	2.5	21
20577	Controlled route to the fabrication of carbon and boron nitride nanoscrolls: A molecular dynamics investigation. Journal of Applied Physics, 2013, 113, .	2.5	38
20578	Silica/Polymer Double-Walled Hybrid Nanotubes: Synthesis and Application as Stimuli-Responsive Nanocontainers in Self-Healing Coatings. ACS Nano, 2013, 7, 2470-2478.	14.6	190
20579	Chemical Functionalization of Carbon Nanotubes for Dispersion in Epoxy Matrices. Solid Mechanics and Its Applications, 2013, , 155-183.	0.2	2
20580	Organic Solar Cells: A Review of Materials, Limitations, and Possibilities for Improvement. Particulate Science and Technology, 2013, 31, 427-442.	2.1	150

#	ARTICLE	IF	CITATIONS
20581	Immobilization of glucose oxidase into a nanoporous TiO ₂ film layered on metallophthalocyanine modified vertically-aligned carbon nanotubes for efficient direct electron transfer. Biosensors and Bioelectronics, 2013, 46, 113-118.	10.1	66
20582	Dynamics of the Formation of Carbon Nanotube Serpentes. Physical Review Letters, 2013, 110, 105502.	7.8	10
20583	Two-Dimensional Carbon Compounds Derived from Graphyne with Chemical Properties Superior to Those of Graphene. Scientific Reports, 2013, 3, 1271.	3.3	36
20584	Replica exchange molecular dynamics simulation of chitosan for drug delivery system based on carbon nanotube. Journal of Molecular Graphics and Modelling, 2013, 39, 183-192.	2.4	34
20585	Nanoscale materials and their use in water contaminants removal—a review. Environmental Science and Pollution Research, 2013, 20, 1239-1260.	5.3	192
20586	Molecular simulations on nanoconfined water molecule behaviors for nanoporous material applications. Microfluidics and Nanofluidics, 2013, 15, 191-205.	2.2	49
20588	Growth of single-walled gold nanotubes confined in carbon nanotubes, studied by molecular dynamics simulations. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 47, 122-127.	2.7	9
20589	Nano-“bio effects: interaction of nanomaterials with cells. Nanoscale, 2013, 5, 3547.	5.6	223
20590	Carbon-Based Nanomaterials for Tissue Engineering. Advanced Healthcare Materials, 2013, 2, 244-260.	7.6	202
20591	Synthesis, Characterization, and the Influence of Functionalized Multi-Walled Carbon Nanotubes with Creatinine and 2-Aminobenzophenone on the Gastric Cancer Cells. Bulletin of the Korean Chemical Society, 2013, 34, 149-153.	1.9	15
20592	Enzymes immobilized on amine-terminated ionic liquid-functionalized carbon nanotube for hydrogen peroxide determination. Talanta, 2013, 105, 63-68.	5.5	28
20593	Advances in Natural Polymers. Advanced Structured Materials, 2013, , .	0.5	30
20594	Nanohybridization of Low-Dimensional Nanomaterials: Synthesis, Classification, and Application. Critical Reviews in Solid State and Materials Sciences, 2013, 38, 1-56.	12.3	20
20595	Comparison of the electrochemical properties of thin films of MWCNTs/C60-Pd, SWCNTs/C60-Pd and ox-CNOs/C60-Pd. Electrochimica Acta, 2013, 96, 274-284.	5.2	38
20596	Materials for the Fabrication of Composites. , 2013, , 165-179.		2
20597	Carbon nanotube decorated magnetic microspheres as an affinity matrix for biomolecules. Journal of Materials Chemistry B, 2013, 1, 1894.	5.8	8
20598	Confinement effects and why carbon nanotube bundles can work as gas sensors. Nanoscale, 2013, 5, 2798.	5.6	25
20599	Single-Walled Carbon Nanotube Surface Control of Complement Recognition and Activation. ACS Nano, 2013, 7, 1108-1119.	14.6	110

#	ARTICLE	IF	CITATIONS
20600	Highly Ordered Hollow Oxide Nanostructures: The Kirkendall Effect at the Nanoscale. <i>Small</i> , 2013, 9, 2838-2843.	10.0	66
20601	Synthesis of macroporous poly(acrylic acid)-carbon nanotube composites by frontal polymerization in deep-eutectic solvents. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3970.	10.3	97
20602	Buckling analysis of carbon nanotubes by a mixed atomistic and continuum model. <i>Computational Mechanics</i> , 2013, 51, 765-789.	4.0	17
20603	Separation Membranes Constructed from Inorganic Nanofibers by Filtration Technique. <i>Chemical Record</i> , 2013, 13, 14-27.	5.8	12
20604	Hybrids of carbon nanotubes and graphene/graphene oxide. <i>Current Opinion in Solid State and Materials Science</i> , 2013, 17, 31-37.	11.5	72
20605	Nonlinear finite element vibration analysis of double-walled carbon nanotubes based on Timoshenko beam theory. <i>JVC/Journal of Vibration and Control</i> , 2013, 19, 75-85.	2.6	7
20606	Self-assembling cyclic systems as drug carriers. <i>Applied Nanoscience (Switzerland)</i> , 2013, 3, 515-528.	3.1	2
20607	Extremely high inhibition activity of photoluminescent carbon nanodots toward cancer cells. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1774.	5.8	192
20608	Facile synthesis of gold nanoparticle (AuNP)-carbon nanotube (CNT) hybrids through an interfacial Michael addition reaction. <i>Chemical Communications</i> , 2013, 49, 2831.	4.1	58
20609	Carbon nanotubes in new materials. <i>Russian Chemical Reviews</i> , 2013, 82, 27-47.	6.5	44
20610	Anisotropy of the water-carbon interaction: molecular simulations of water in low-diameter carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 4995.	2.8	36
20611	Thermoplastic polyurethane/single-walled carbon nanotube composites with low electrical resistance surfaces. <i>High Performance Polymers</i> , 2013, 25, 135-146.	1.8	23
20612	Experimental and numerical investigation into the effect of carbon nanotube buckling on the reinforcement of CNT/Cu composites. <i>Composites Science and Technology</i> , 2013, 79, 28-34.	7.8	56
20614	Superelastic carbon spheres under high pressure. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	24
20615	Fabrication of A356 aluminum alloy matrix composite with CNTs/Al ₂ O ₃ hybrid reinforcements. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 573, 92-99.	5.6	70
20616	The effect of different order of purification treatments on the purity of multiwalled carbon nanotubes. <i>Applied Surface Science</i> , 2013, 276, 159-166.	6.1	71
20617	Observations of Carbon Nanotube Oxidation in an Aberration-Corrected Environmental Transmission Electron Microscope. <i>ACS Nano</i> , 2013, 7, 2566-2572.	14.6	56
20618	Manganese(III) porphyrin supported on multi-wall carbon nanotubes: A highly efficient and reusable biomimetic catalyst for oxidative decarboxylation of α -arylcarboxylic acids and oxidation of alkanes with sodium periodate. <i>Polyhedron</i> , 2013, 53, 15-19.	2.2	24

#	ARTICLE	IF	CITATIONS
20619	Is there a Difference in Van Der Waals Interactions between Rare Gas Atoms Adsorbed on Metallic and Semiconducting Single-Walled Carbon Nanotubes?. Physical Review Letters, 2013, 110, 135503.	7.8	19
20620	Application of modified multiwall carbon nanotubes as a sorbent for zirconium (IV) adsorption from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 835-845.	1.5	13
20621	Single- and double-walled carbon nanotube based saturable absorbers for passive mode-locking of an erbium-doped fiber laser. Laser Physics, 2013, 23, 045105.	1.2	45
20622	Structure and Morphology Control in Crystalline Polymer-Carbon Nanotube Nanocomposites. Macromolecules, 2013, 46, 2877-2891.	4.8	197
20623	NO sensing one- and two-dimensional carbon nanostructures and nanohybrids: Progress and perspectives. Sensors and Actuators B: Chemical, 2013, 181, 9-21.	7.8	34
20624	Models of wave-function collapse, underlying theories, and experimental tests. Reviews of Modern Physics, 2013, 85, 471-527.	45.6	775
20625	Effect of Multi-walled Carbon Nanotubes on Morphology, Mechanical and Thermal Properties of Poly(ethylene Terephthalate) Nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 701-711.	2.1	13
20626	Conducting Polymer/SWCNTs Modular Hybrid Materials via Diels-Alder Ligation. Macromolecules, 2013, 46, 2606-2615.	4.8	35
20627	Adsorptive removal of dyes from aqueous solution onto carbon nanotubes: A review. Advances in Colloid and Interface Science, 2013, 193-194, 24-34.	14.7	1,023
20628	Adsorption of Pb(II) ions from aqueous solutions by carbon nanotubes oxidized different methods. Journal of Industrial and Engineering Chemistry, 2013, 19, 2064-2071.	5.8	38
20629	The Road for Nanomaterials Industry: A Review of Carbon Nanotube Production, Post-Treatment, and Bulk Applications for Composites and Energy Storage. Small, 2013, 9, 1237-1265.	10.0	617
20630	Analytical application of carbon nanotubes, fullerenes and nanodiamonds in nanomaterials-based chromatographic stationary phases: A review. Analytica Chimica Acta, 2013, 783, 1-16.	5.4	105
20631	Application of carbon-based nanomaterials in sample preparation: A review. Analytica Chimica Acta, 2013, 784, 1-17.	5.4	387
20632	Amine modified graphene as reversed-dispersive solid phase extraction materials combined with liquid chromatography-tandem mass spectrometry for pesticide multi-residue analysis in oil crops. Journal of Chromatography A, 2013, 1286, 1-8.	3.7	109
20633	Atomistic Modeling of Charge Transport across a Carbon Nanotube-Polyethylene Junction. Journal of Physical Chemistry C, 2013, 117, 8020-8027.	3.1	17
20634	Carbon Nanotube Photoelectronic and Photovoltaic Devices and their Applications in Infrared Detection. Small, 2013, 9, 1225-1236.	10.0	92
20635	Influence of in-plane pre-load on the vibration frequency of circular graphene sheet via nonlocal continuum theory. Composites Part B: Engineering, 2013, 51, 121-129.	12.0	45
20637	Preparation of nanocrystalline-coated carbon nanotube/Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ composite with excellent electromagnetic property as microwave absorber. Journal Physics D: Applied Physics, 2013, 46, 145002.	2.8	27

#	ARTICLE	IF	CITATIONS
20638	Multiplex Templating Process in One-Dimensional Nanoscale: Controllable Synthesis, Macroscopic Assemblies, and Applications. <i>Accounts of Chemical Research</i> , 2013, 46, 1450-1461.	15.6	147
20639	Group of Carbon. , 2013, , 221-234.		0
20640	Asymmetric Organocatalysis in Fullerenes Chemistry: Enantioselective Phosphine-catalyzed Cycloaddition of Allenes onto C ₆₀ . <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5115-5119.	13.8	86
20641	Targeted drug delivery to macrophages. <i>Expert Opinion on Drug Delivery</i> , 2013, 10, 353-367.	5.0	149
20642	Ultrathin nanostructures: smaller size with new phenomena. <i>Chemical Society Reviews</i> , 2013, 42, 5577.	38.1	149
20643	Synthesis of calix[4]arene-segmented polyurethane and its nanocomposites with single-walled carbon nanotubes. <i>Polymer Bulletin</i> , 2013, 70, 1697-1707.	3.3	2
20644	Adsorption behavior of MnO ₂ functionalized multi-walled carbon nanotubes for the removal of cadmium from aqueous solutions. <i>Chemical Engineering Journal</i> , 2013, 225, 406-415.	12.7	159
20645	Adsorption of lead on multi-walled carbon nanotubes with different outer diameters and oxygen contents: Kinetics, isotherms and thermodynamics. <i>Journal of Environmental Sciences</i> , 2013, 25, 195-203.	6.1	70
20646	Arc synthesis of double-walled carbon nanotubes in low pressure air and their superior field emission properties. <i>Carbon</i> , 2013, 58, 92-98.	10.3	56
20647	Intrinsic electrical conductivity of nanostructured metal-organic polymer chains. <i>Nature Communications</i> , 2013, 4, 1709.	12.8	60
20648	In situ synthesis of polyisoprene-grafted single-walled carbon nanotube composites. <i>Polymer Journal</i> , 2013, 45, 834-838.	2.7	8
20649	Electrochemically prepared solid-phase microextraction coatings—A review. <i>Analytica Chimica Acta</i> , 2013, 781, 1-13.	5.4	59
20650	Carbon Nanotube Actuation. <i>Research Topics in Aerospace</i> , 2013, , 85-105.	0.7	0
20651	Elastic in-plane properties of 2D linearized models of graphene. <i>Mechanics of Materials</i> , 2013, 62, 60-68.	3.2	42
20652	Pretreatment Control of Carbon Nanotube Array Growth for Gas Separation: Alignment and Growth Studied Using Microscopy and Small-Angle X-ray Scattering. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3063-3070.	8.0	17
20653	Nanomaterials for Biosensors and Implantable Biodevices. , 2013, , 27-48.		19
20654	Influence of aminosilane-functionalized carbon nanotubes on the rheometric, mechanical, electrical and thermal degradation properties of epoxidized natural rubber nanocomposites. <i>Polymer International</i> , 2013, 62, 1433-1441.	3.1	33
20655	Structure refinement from precession electron diffraction data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, 171-188.	0.3	69

#	ARTICLE	IF	CITATIONS
20657	Omni-conducting fullerenes. Chemical Physics Letters, 2013, 568-569, 33-35.	2.6	11
20658	Transport properties of nanofluids. A critical review. Journal of Non-Equilibrium Thermodynamics, 2013, 38, 1-79.	4.2	82
20659	Synthesis of hybrid ZnO/CNTs nanoparticles and their reinforcement in nylon-6 polymer fibers. Journal of Applied Polymer Science, 2013, 129, 121-129.	2.6	7
20660	Dispersion and re-agglomeration phenomena during melt mixing of polypropylene with multi-wall carbon nanotubes. Polymer Testing, 2013, 32, 701-707.	4.8	63
20661	Green approach for the large-scale synthesis of metal/metal oxidenanoparticle decorated multiwalled carbon nanotubes. Journal of Materials Chemistry A, 2013, 1, 482-486.	10.3	49
20662	Nitrogen-Silicon Heterodoping of Carbon Nanotubes. Journal of Physical Chemistry C, 2013, 117, 8481-8490.	3.1	19
20663	One-pot, high-yield synthesis of one-dimensional ZnO nanorods with well-defined morphology as a highly selective photocatalyst. RSC Advances, 2013, 3, 5956.	3.6	55
20664	Hydrothermal synthesis and characterization of lead sulfide nanocubes through simple hydrothermal method in the presence of [bis(salicylate)lead(II)] as a new precursor. Superlattices and Microstructures, 2013, 54, 118-127.	3.1	13
20665	Adsorption of beryllium atoms and clusters both on graphene and in a bilayer of graphite investigated by DFT. Journal of Physics Condensed Matter, 2013, 25, 015002.	1.8	13
20666	The preparation of multi-walled carbon nanotube/poly(lactic acid) composites with excellent conductivity. Journal of the Taiwan Institute of Chemical Engineers, 2013, 44, 489-496.	5.3	27
20667	Structure, magnetic, and electronic properties of hydrogenated two-dimensional diamond films. Applied Physics Letters, 2013, 102, 073114.	3.3	30
20668	Preparation and characterization of multiwalled carbon nanotube/In ₂ O ₃ composites. Carbon, 2013, 60, 266-272.	10.3	23
20669	Metal sulphide semiconductors for photocatalytic hydrogen production. Catalysis Science and Technology, 2013, 3, 1672.	4.1	477
20670	Micro and Nanofillers in Rubbers. Advanced Structured Materials, 2013, , 303-356.	0.5	2
20671	Synthesis and applications of organic nanorods, nanowires and nanotubes. Annual Reports on the Progress of Chemistry Section C, 2013, 109, 211.	4.4	49
20672	Investigation of effects produced by chemical functionalization in single-walled and multi-walled carbon nanotubes using Raman spectroscopy. Materials Science-Poland, 2013, 31, 276-280.	1.0	8
20673	Vapor-Phase Hydrothermal Growth of Novel Segmentally Configured Nanotubular Crystal Structure. Small, 2013, 9, 3043-3050.	10.0	9
20674	Fabrication and characterization of inkjet-printed carbon nanotube electrode patterns on paper. Carbon, 2013, 58, 116-127.	10.3	98

#	ARTICLE	IF	CITATIONS
20675	Preparation and characterization of poly(trimethylene terephthalate)-poly(ethylene oxide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 747 T polymerization. Polymer Engineering and Science, 2013, 53, 914-922.	3.1	4
20676	The chemistry of pristine graphene. Chemical Communications, 2013, 49, 3721.	4.1	225
20677	A review on the evolution of ethyl tert-butyl ether (ETBE) and its future prospects. Renewable and Sustainable Energy Reviews, 2013, 22, 604-620.	16.4	78
20678	Recent progress in nanosensors for sensitive detection of biomolecules. Nanoscale, 2013, 5, 3589.	5.6	70
20679	The Effect of Substrate on the Low-Temperature Carbon Nanomaterials Growth by Microwave Excited Surface-wave Plasma Chemical Vapor Deposition. Journal of Physics: Conference Series, 2013, 417, 012042.	0.4	2
20680	Magnetic nanoparticles decorated multi-walled carbon nanotubes by bio-inspired poly(dopamine) surface functionalization. Synthetic Metals, 2013, 169, 59-63.	3.9	18
20681	Biofuel Cells: Bioelectrochemistry Applied to the Generation of Green Electricity. , 2013, , 101-123.		3
20682	Graphitization thermal treatment of carbon nanofibers. Carbon, 2013, 59, 2-32.	10.3	96
20683	Enhanced photocatalytic degradation of methylene blue on multiwalled carbon nanotubesâ€TiO2. Journal of Colloid and Interface Science, 2013, 398, 234-239.	9.4	135
20684	Non-covalent conjugates of single-walled carbon nanotubes and folic acid for interaction with cells over-expressing folate receptors. Journal of Materials Chemistry B, 2013, 1, 1475.	5.8	45
20685	Factors affecting the dispersion of MWCNTs in electrically conducting SEBS nanocomposites. European Polymer Journal, 2013, 49, 1471-1478.	5.4	39
20686	Nanocomposites of Polystyrene- <i>b</i> -Poly(isoprene)- <i>b</i> -Polystyrene Triblock Copolymer with Clayâ€Carbon Nanotube Hybrid Nanoadditives. Journal of Physical Chemistry B, 2013, 117, 907-915.	2.6	18
20687	Determination of gemfibrozil in pharmaceutical and urine samples by square-wave adsorptive stripping voltammetry using a glassy carbon electrode modified with multi-walled carbon nanotubes within a dihexadecyl hydrogen phosphate film. Journal of Electroanalytical Chemistry, 2013, 690, 32-37.	3.8	26
20688	Growth of crystalline silicon nanowires on nickel-coated silicon wafer beneath sputtered amorphous carbon. Thin Solid Films, 2013, 534, 90-99.	1.8	9
20689	Generation of high-quality mega-electron volt proton beams with intense-laser-driven nanotube accelerator. Applied Physics Letters, 2013, 102, .	3.3	22
20690	Carbon Nanorings and Their Enhanced Lithium Storage Properties. Advanced Materials, 2013, 25, 1125-1130.	21.0	121
20691	Fuel Cell Electrocatalyst Using Polybenzimidazoleâ€Modified Carbon Nanotubes As Support Materials. Advanced Materials, 2013, 25, 1666-1681.	21.0	160
20692	Scalable Formation of Carbon Nanotube Films Containing Highly Aligned Whiskerlike Crystallites. Industrial & Engineering Chemistry Research, 2013, 52, 8705-8713.	3.7	7

#	ARTICLE	IF	CITATIONS
20693	Carbonised polyaniline and polypyrrole: towards advanced nitrogen-containing carbon materials. Chemical Papers, 2013, 67, .	2.2	111
20694	Opportunities and challenges in micro- and nano-technologies for concentrating photovoltaic cooling: A review. Renewable and Sustainable Energy Reviews, 2013, 20, 595-610.	16.4	120
20695	Synthesis of gas barrier starch by dispersion of functionalized multiwalled carbon nanotubes. Carbohydrate Polymers, 2013, 94, 663-668.	10.2	54
20696	An 2,2'-azino-bis(3-ethylbenzthiazoline-6-sulfonic acid)-immobilized electrode for the simultaneous detection of dopamine and uric acid in the presence of ascorbic acid. Bioelectrochemistry, 2013, 91, 44-51.	4.6	29
20697	Functionalization and dispersion of carbon nanotubes in ionic liquids. TrAC - Trends in Analytical Chemistry, 2013, 47, 99-110.	11.4	96
20698	Electrochemical Studies of Catalyst Free Carbon Nanotube Electrodes. Electroanalysis, 2013, 25, 983-990.	2.9	13
20699	Borocarbonitrides, BxCyNz. Journal of Materials Chemistry A, 2013, 1, 5806.	10.3	143
20700	Ammonia monitoring by carbon nitride nanotubes: A density functional study. Thin Solid Films, 2013, 534, 650-654.	1.8	75
20701	Purification of water through nanoporous carbon membranes: a molecular simulation viewpoint. Current Opinion in Chemical Engineering, 2013, 2, 223-228.	7.8	27
20702	The influence of foam morphology of multi-walled carbon nanotubes/poly(methyl methacrylate) nanocomposites on electrical conductivity. Polymer, 2013, 54, 3261-3270.	3.8	91
20703	Unscrolling of multi-walled carbon nanotubes: towards micrometre-scale graphene oxide sheets. Physical Chemistry Chemical Physics, 2013, 15, 7755.	2.8	8
20704	The contribution made by lattice vacancies to the Wigner effect in radiation-damaged graphite. Journal of Physics Condensed Matter, 2013, 25, 135403.	1.8	37
20705	Applications and perspectives of boron-enriched nanocomposites in cancer therapy. Future Medicinal Chemistry, 2013, 5, 705-714.	2.3	42
20706	Actuators based on liquid crystalline elastomer materials. Nanoscale, 2013, 5, 5225.	5.6	159
20707	An electrochemical approach to fabricating honeycomb assemblies from multiwall carbon nanotubes. Carbon, 2013, 59, 130-139.	10.3	5
20708	Functionalization of vertically aligned carbon nanotubes. Beilstein Journal of Nanotechnology, 2013, 4, 129-152.	2.8	83
20709	Graphenylene, a unique two-dimensional carbon network with nondelocalized cyclohexatriene units. Journal of Materials Chemistry C, 2013, 1, 38-41.	5.5	151
20710	Thermal transport in C20 fullerene-chained carbon nanobuds. Journal of Applied Physics, 2013, 113, 123504.	2.5	9

#	ARTICLE	IF	CITATIONS
20711	Effective improvement of the properties of light weight carbon foam by decoration with multi-wall carbon nanotubes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5727.	10.3	154
20712	Equivalent continuum models of carbon nanotube reinforced polypropylene composites. <i>Materials & Design</i> , 2013, 50, 936-945.	5.1	31
20713	Multi-walled carbon nanotubes for volatile organic compound detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 344-350.	7.8	46
20714	Filling carbon nanotubes with magnetic particles. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2860.	5.5	25
20715	Functionalized Fe-filled Multiwalled Carbon Nanotubes as Multifunctional Scaffolds for Magnetization of Cancer Cells. <i>Advanced Functional Materials</i> , 2013, 23, 3173-3184.	14.9	58
20716	Nitrogen-doped (6,0) carbon nanotubes: A comparative DFT study based on surface reactivity descriptors. <i>Computational and Theoretical Chemistry</i> , 2013, 1015, 1-7.	2.5	59
20717	Nanobiotechnology meets plant cell biology: carbon nanotubes as organelle targeting nanocarriers. <i>RSC Advances</i> , 2013, 3, 4856.	3.6	82
20718	Carbon nanostructures as multi-functional drug delivery platforms. <i>Journal of Materials Chemistry B</i> , 2013, 1, 401-428.	5.8	186
20719	Superamphiphilic Ag-CNTs electrode by atmosphere plasma treatment. <i>Current Applied Physics</i> , 2013, 13, S122-S126.	2.4	12
20720	Electromechanical properties of graphene transparent conducting films for flexible electronics. <i>Current Applied Physics</i> , 2013, 13, 1331-1334.	2.4	27
20721	Simultaneous electrochemical determination of ascorbic acid, dopamine and uric acid using poly (tyrosine)/functionalized multi-walled carbon nanotubes composite film modified electrode. <i>Journal of Molecular Liquids</i> , 2013, 177, 26-31.	4.9	59
20724	Genotoxic Assessment of Carbon Nanotubes. <i>Methods in Molecular Biology</i> , 2013, 991, 315-323.	0.9	1
20725	MoO ₃ /Multiwalled Carbon Nanotubes (MWCNT) Hybrid for Use as a Li-Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 2555-2566.	8.0	141
20726	Current understanding of the growth of carbon nanotubes in catalytic chemical vapour deposition. <i>Carbon</i> , 2013, 58, 2-39.	10.3	460
20727	A Review for Conductive Polymer Piezoresistive Composites and a Development of a Compliant Pressure Transducer. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2013, 62, 495-502.	4.7	92
20728	Adsorptive stripping voltammetry determination of methyl dopa on the surface of a carboxylated multiwall carbon nanotubes modified glassy carbon electrode in biological and pharmaceutical samples. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 253-258.	5.0	27
20729	Dispersion studies of carboxyl, amine and thiol-functionalized carbon nanotubes for improving the electrochemical behavior of screen printed electrodes. <i>Sensors and Actuators B: Chemical</i> , 2013, 181, 353-360.	7.8	28
20730	Nafion® modified-screen printed gold electrodes and their carbon nanostructuration for electrochemical sensors applications. <i>Talanta</i> , 2013, 107, 376-381.	5.5	20

#	ARTICLE	IF	CITATIONS
20731	Highly compressed nanosolution restricted in cylindrical carbon nanospaces. <i>Nanoscale</i> , 2013, 5, 2080.	5.6	9
20732	Complications pertaining to the detection and characterization of individual and embedded single walled carbon nanotubes by scanning electron microscopy. <i>Nanoscale</i> , 2013, 5, 2790.	5.6	3
20733	EQUILIBRIUM SHAPES FOR ISOTROPIC ELASTIC TUBES IN THE PLANAR CASE. <i>Modern Physics Letters B</i> , 2013, 27, 1350083.	1.9	0
20734	BN Segment Doped Effect on the First Hyperpolarizability of Heteronanotubes: Focused on an Effective Connecting Pattern. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10039-10044.	3.1	26
20735	Preparation of carbon nanotube-supported $\text{Fe}_2\text{O}_3/\text{CuO}$ nanocomposite: a highly efficient and magnetically separable catalyst in cross-coupling of aryl halides with phenols. <i>Catalysis Science and Technology</i> , 2013, 3, 2025.	4.1	47
20736	Efficient synthesis of carbon nanotubes with improved surface area by low-temperature solvothermal route from dichlorobenzene. <i>Chemical Papers</i> , 2013, 67, .	2.2	4
20737	Ab Initio Molecular Dynamics Simulation of the Dissociation of Ethanol on a Nickel Cluster: Understanding the Initial Stage of Metal-Catalyzed Growth of Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 9983-9990.	3.1	31
20738	Electrocatalytic oxidation and the mechanism of dopamine on a MWNT-modified glassy carbon electrode. <i>Russian Journal of Electrochemistry</i> , 2013, 49, 200-202.	0.9	4
20739	Deoxyribonucleic Acid Functionalized Carbon Nanotube Network as Humidity Sensors. <i>IEEE Sensors Journal</i> , 2013, 13, 1806-1816.	4.7	22
20740	Catalysis of Multiwalled Carbon Nanotubes Supported Pd_xCo_y Nanoparticles Prepared by a Pyrolysis Method Using Ionic Liquids as the Solvent toward Ethanol Oxidation Reaction. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 1135-1143.	1.4	4
20741	Development of MWCNTs/alumina composite-based sensor for trace level ammonia gas sensing. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 965-974.	2.3	13
20742	Aqueous Solution Process for the Synthesis and Assembly of Nanostructured One-Dimensional MoO_3 Electrode Materials. <i>Chemistry of Materials</i> , 2013, 25, 2557-2563.	6.7	53
20743	Carbon Nanotubes Instruct Physiological Growth and Functionally Mature Syncytia: Nongenetic Engineering of Cardiac Myocytes. <i>ACS Nano</i> , 2013, 7, 5746-5756.	14.6	105
20744	Ambient-Processable High Capacitance Hafnia-Organic Self-Assembled Nanodielectrics. <i>Journal of the American Chemical Society</i> , 2013, 135, 8926-8939.	13.7	69
20745	Getting tubed: mechanical bond in endohedral derivatives of carbon nanotubes?. <i>Nanoscale</i> , 2013, 5, 7141.	5.6	27
20746	Immobilization Techniques in the Fabrication of Nanomaterial-Based Electrochemical Biosensors: A Review. <i>Sensors</i> , 2013, 13, 4811-4840.	3.8	397
20747	Twenty-one years of microemulsion electrokinetic chromatography (1991-2012): A powerful analytical tool. <i>Electrophoresis</i> , 2013, 34, 1273-1294.	2.4	41
20748	Hierarchically structured nanocarbon electrodes for flexible solid lithium batteries. <i>Nano Energy</i> , 2013, 2, 1054-1062.	16.0	14

#	ARTICLE	IF	CITATIONS
20749	Double Functionalization of Carbon Nanotubes with Purine and Pyrimidine Derivatives. Chemistry - an Asian Journal, 2013, 8, 1472-1481.	3.3	15
20750	DFT-based reactivity study of (5,5) armchair boron nitride nanotube (BNNT). Chemical Physics Letters, 2013, 565, 69-73.	2.6	39
20751	Influence of multi-walled carbon nanotubes concentration on the properties of nanocomposites with poly(o-ethoxyaniline). Synthetic Metals, 2013, 176, 1-10.	3.9	7
20752	Determination of drugs in river and wastewaters using solid-phase extraction by packed multi-walled carbon nanotubes and liquid chromatography-quadrupole-linear ion trap-mass spectrometry. Journal of Chromatography A, 2013, 1297, 17-28.	3.7	77
20753	A green luminescent 1-D helical tubular dipyrizol-bridged cadmium(ii) complex: a coordination tube included in a supramolecular tube. Dalton Transactions, 2013, 42, 10503.	3.3	27
20754	Steady state vibration analysis and mitigation of single-walled carbon nanotubes based on nonlocal Timoshenko beam theory. Computational Materials Science, 2013, 71, 38-46.	3.0	5
20755	A comparative theoretical study of CO ₂ sensing using inorganic AlN, BN and SiC single walled nanotubes. Sensors and Actuators B: Chemical, 2013, 185, 512-522.	7.8	42
20756	A comparative study on carbon/silicon doping effects on electronic structure and surface electrostatic potential of (6,0) boron-nitride nanotube: a DFT investigation. Structural Chemistry, 2013, 24, 1207-1214.	2.0	10
20757	Functionalization of Multi-Walled Carbon Nanotubes with Thermo-Responsive Azide-Terminated Poly(N-isopropylacrylamide) via Click Reactions. Molecules, 2013, 18, 4599-4612.	3.8	26
20758	Synthesis of nickel nanoparticles on multi-walled carbon nanotubes by gamma irradiation. Radiation Physics and Chemistry, 2013, 89, 51-56.	2.8	29
20759	Functional Nanomaterials: From Basic Science to Emerging Applications. Solid State Phenomena, 2013, 201, 1-19.	0.3	2
20760	Improved Field Emission Properties of Ag-Decorated Multi-Walled Carbon Nanotubes. IEEE Photonics Technology Letters, 2013, 25, 1017-1019.	2.5	18
20761	DNA-Mediated Self-Assembly of Single-Walled Carbon Nanotubes into Nanorings. Small, 2013, 9, 2059-2063.	10.0	3
20762	Carbene Additions to Fullerenes. Chemical Reviews, 2013, 113, 7209-7264.	47.7	131
20763	One-Dimensional CdS Nanostructures: A Promising Candidate for Optoelectronics. Advanced Materials, 2013, 25, 3017-3037.	21.0	212
20764	Remarkable carbon dioxide catalytic capture (CDCC) leading to solid-form carbon material via a new CVD integrated process (CVD-IP): An alternative route for CO ₂ sequestration. Journal of Energy Chemistry, 2013, 22, 136-144.	12.9	25
20765	Nano-structure and property transformations of carbon systems under γ -ray irradiation: a review. RSC Advances, 2013, 3, 10579.	3.6	60
20766	Biomedical applications of carbon nanotubes. Annual Reports on the Progress of Chemistry Section C, 2013, 109, 10.	4.4	54

#	ARTICLE	IF	CITATIONS
20767	Interfacial localization of multiwalled carbon nanotubes in immiscible blend of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 742	2.1	14
20768	Polyester-based thermoplastic elastomer/MWNT composites: Rheological, thermal, and electrical properties. <i>Fibers and Polymers</i> , 2013, 14, 729-735.	2.1	22
20770	Novel ZnO nanorod films by chemical solution deposition for planar device applications. <i>Nanotechnology</i> , 2013, 24, 275601.	2.6	12
20771	Carbon Nanotubes in Acrylic Bone Cement. <i>Springer Series in Biomaterials Science and Engineering</i> , 2013, , 173-199.	1.0	0
20772	Enhanced Photocatalytic Performances of CeO ₂ /TiO ₂ Nanobelt Heterostructures. <i>Small</i> , 2013, 9, 3864-3872.	10.0	262
20773	Mechanochemistry of fullerenes and related materials. <i>Chemical Society Reviews</i> , 2013, 42, 7535.	38.1	279
20774	Carbon nanostructures for hard tissue engineering. <i>RSC Advances</i> , 2013, 3, 11058.	3.6	62
20775	The transport properties and new device design: the case of 6,6,12-graphyne nanoribbons. <i>Nanoscale</i> , 2013, 5, 4468.	5.6	76
20776	Nonlocal effects in modal analysis of forced responses with single carbon nanotubes. <i>Mechanical Systems and Signal Processing</i> , 2013, 38, 299-311.	8.0	15
20777	Preparation and characterization of poly(styrene-co-butyl acrylate)-encapsulated single-walled carbon nanotubes under ultrasonic irradiation. <i>Iranian Polymer Journal (English Edition)</i> , 2013, 22, 409-416.	2.4	6
20778	Intrinsic region length scaling of heavily doped carbon nanotube p-n junctions. <i>Nanoscale</i> , 2013, 5, 6999.	5.6	17
20779	Vibrational and electronic properties of single-walled and double-walled boron nitride nanotubes. <i>Vibrational Spectroscopy</i> , 2013, 66, 30-42.	2.2	10
20780	Forced vibration analysis of functionally graded beams using nonlocal elasticity. <i>Composite Structures</i> , 2013, 105, 227-239.	5.8	82
20781	Investigation into the mechanical properties of single-walled carbon nanotube heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11579.	2.8	6
20782	Synchronous chemical vapor deposition of large-area hybrid graphene-carbon nanotube architectures. <i>Journal of Materials Research</i> , 2013, 28, 958-968.	2.6	15
20783	Temperature, defect and size effect on the elastic properties of imperfectly straight carbon nanotubes by using molecular dynamics simulation. <i>Computational Materials Science</i> , 2013, 71, 184-191.	3.0	54
20784	Carbon Nanomaterials for Implant Dentistry and Bone Tissue Engineering. , 2013, , 359-388.		0
20785	Carbon Nanotube-Poly(lactide-co-glycolide) Composite Scaffolds for Bone Tissue Engineering Applications. <i>Annals of Biomedical Engineering</i> , 2013, 41, 904-916.	2.5	91

#	ARTICLE	IF	CITATIONS
20786	Dispersion spectrum in a functionally graded carbon nanotube-reinforced plate based on first-order shear deformation plate theory. <i>Composites Part B: Engineering</i> , 2013, 53, 274-283.	12.0	21
20787	Amino modified multi-walled carbon nanotubes/polydimethylsiloxane coated stir bar sorptive extraction coupled to high performance liquid chromatography-ultraviolet detection for the determination of phenols in environmental samples. <i>Journal of Chromatography A</i> , 2013, 1300, 165-172.	3.7	69
20788	Molecular dynamic study on contact angle of water droplet on a single-wall carbon nanotube (SWCNT) plate. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 747-754.	2.3	7
20789	Removal of heavy metal ions from aqueous solutions with multi-walled carbon nanotubes: Kinetic and thermodynamic studies. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 677-688.	3.5	79
20791	Experimental study on the characteristics of thermal conductivity and shear viscosity of viscoelastic-fluid-based nanofluids containing multiwalled carbon nanotubes. <i>Thermochimica Acta</i> , 2013, 556, 47-53.	2.7	73
20793	A computational investigation of the electronic properties of Octahedral Al _n N _n and Al _n P _n cages (n=12, 16, 28, 36, and 48). <i>Structural Chemistry</i> , 2013, 24, 681-689.	2.0	11
20795	Proteins and Peptides as Biological Nanowires: Towards Biosensing Devices. <i>Methods in Molecular Biology</i> , 2013, 996, 131-152.	0.9	9
20796	Stability, electronic structures and transport properties of armchair (10, 10) BN/C nanotubes. <i>Journal of Solid State Chemistry</i> , 2013, 200, 294-298.	2.9	10
20797	Dramatic enhancement of carbon nanotube dispersion in polyimide composites by a two-step amino functionalization approach. <i>Journal of Polymer Science Part A</i> , 2013, 51, 3449-3457.	2.3	10
20798	MWNT-filled PC/ABS blends: Correlation of morphology with rheological and electrical response. <i>Journal of Applied Polymer Science</i> , 2013, 130, 739-748.	2.6	41
20799	Functionalization of carbon nanotubes with -CH ₂ -, -NH- fragments, -COOH and -OH groups. <i>Journal of Chemical Physics</i> , 2013, 138, 194704.	3.0	55
20800	Opportunities and challenges in the use of inorganic fullerene-like nanoparticles to produce advanced polymer nanocomposites. <i>Progress in Polymer Science</i> , 2013, 38, 1163-1231.	24.7	154
20801	The structural and surface properties of carbon nanotube synthesized by microwave plasma chemical vapor deposition method for superhydrophobic coating. <i>Thin Solid Films</i> , 2013, 546, 94-97.	1.8	17
20802	Investigating pristine and carbon-decorated silicon nanocones: DFT studies. <i>Superlattices and Microstructures</i> , 2013, 58, 130-134.	3.1	5
20803	Facile synthesis, enhanced field emission and photocatalytic activities of Cu ₂ O@TiO ₂ @ZnO ternary hetero-nanostructures. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 175303.	2.8	19
20804	Decoration of multi-walled carbon nanotubes with silver nanoparticles and investigation on its colloid stability. <i>Materials Chemistry and Physics</i> , 2013, 139, 113-117.	4.0	39
20805	Investigation of the humidity-dependent conductance of single-walled carbon nanotube networks. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	13
20806	Mechanical Dispersion Methods for Carbon Nanotubes in Aerospace Composite Matrix Systems. <i>Solid Mechanics and Its Applications</i> , 2013, , 99-154.	0.2	3

#	ARTICLE	IF	CITATIONS
20807	Electrochemical sensor based on molecularly imprinted polymer film via sol-gel technology and multi-walled carbon nanotubes-chitosan functional layer for sensitive determination of quinoxaline-2-carboxylic acid. <i>Biosensors and Bioelectronics</i> , 2013, 47, 475-481.	10.1	87
20808	Surface-initiated polymerization from carbon nanotubes: strategies and perspectives. <i>Chemical Society Reviews</i> , 2013, 42, 677-704.	38.1	87
20810	Solid phase extraction-capillary electrophoresis determination of sulphonamide residues in milk samples by use of C18-carbon nanotubes as hybrid sorbent materials. <i>Analyst</i> , The, 2013, 138, 3786.	3.5	21
20811	Polystyrene-divinylbenzene stationary phases agglomerated with quaternized multi-walled carbon nanotubes for anion exchange chromatography. <i>Journal of Chromatography A</i> , 2013, 1294, 152-156.	3.7	25
20812	Existence and stability of co-axial and meshed double-walled armchair silicon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 47, 237-245.	2.7	9
20813	A comparative study on carbon, boron-nitride, boron-phosphide and silicon-carbide nanotubes based on surface electrostatic potentials and average local ionization energies. <i>Journal of Molecular Modeling</i> , 2013, 19, 2375-2382.	1.8	40
20814	The electronic structure of MgO nanotubes. An ab initio quantum mechanical investigation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13296.	2.8	10
20815	Electronic, Energetic, and Geometric Properties of Methylene-Functionalized C60. <i>Journal of Cluster Science</i> , 2013, 24, 669-678.	3.3	14
20816	Nitrogen-doped, boron-doped and undoped multiwalled carbon nanotube/polymer composites in WORM memory devices. <i>Nanotechnology</i> , 2013, 24, 125203.	2.6	18
20817	Buckminsterfullerene: A Strong, Covalently Bonded, Reinforcing Filler and Reversible Cross-Linker in the Form of Clusters in a Polymer. <i>ACS Macro Letters</i> , 2013, 2, 511-517.	4.8	6
20818	The short-channel function of hollow carbon nanoparticles as support in the dehydrogenation of cyclohexane. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5789-5795.	7.1	20
20819	Effects of graphene and carbon nanotube fillers on the shear properties of epoxy. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 997-1006.	2.1	10
20820	Synthesis and characterization of pressureless sintered carbon nanotube reinforced alumina nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 578, 422-429.	5.6	43
20821	Chiral Selectivity of Unusual Helimagnetic Transition in Iron Nanotubes: Chirality Makes Quantum Helimagnets. <i>Nano Letters</i> , 2013, 13, 2792-2797.	9.1	10
20822	Axisymmetric free vibration of closed thin spherical nano-shell. <i>Composite Structures</i> , 2013, 104, 154-161.	5.8	26
20823	Simultaneous determination of ascorbic acid and rutin in pharmaceutical preparations with electrochemical method based on multi-walled carbon nanotubes-chitosan composite film modified electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 76, 234-242.	2.8	40
20824	Edge-Selectively Functionalized Graphene Nanoplatelets. <i>Chemical Record</i> , 2013, 13, 224-238.	5.8	31
20825	Synthesis and gas-sensing properties of phenylhydrazine-functionalized single wall carbon nanotubes in polymer matrix. <i>Open Chemistry</i> , 2013, 11, 945-952.	1.9	0

#	ARTICLE	IF	CITATIONS
20826	Theoretical study on the functionalization of BC ₂ N nanotube with amino groups. Journal of Molecular Modeling, 2013, 19, 2211-2216.	1.8	10
20827	Directional quantum transport in graphyne p-n junction. Journal of Applied Physics, 2013, 113, 073710.	2.5	6
20828	Nafion/Ni(OH) ₂ nanoparticles-carbon nanotube composite modified glassy carbon electrode as a sensor for simultaneous determination of dopamine and serotonin in the presence of ascorbic acid. Sensors and Actuators B: Chemical, 2013, 176, 543-551.	7.8	175
20829	Broad spectral photocurrent enhancement in Au-decorated CdSe nanowires. Nanoscale, 2013, 5, 5334.	5.6	10
20830	Density functional theory investigation of the VIII B transition metal atoms deposited on (5,5) single-walled carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2013, 49, 61-67.	2.7	33
20831	Electrospinning of multilevel structured functional micro-/nanofibers and their applications. Journal of Materials Chemistry A, 2013, 1, 7290.	10.3	299
20832	Molecular simulation of carbon nanotube membrane for Li ⁺ and Mg ²⁺ separation. Journal of Membrane Science, 2013, 444, 327-331.	8.2	29
20833	³ He NMR: from free gas to its encapsulation in fullerene. Magnetic Resonance in Chemistry, 2013, 51, 463-468.	1.9	23
20834	Molecular Simulation of CO ₂ Adsorption in the Presence of Water in Single-Walled Carbon Nanotubes. Journal of Physical Chemistry C, 2013, 117, 13479-13491.	3.1	70
20835	Influence of process parameters on the morphology, rheological and dielectric properties of three-roll-milled multiwalled carbon nanotube/epoxy suspensions. Polymer, 2013, 54, 188-198.	3.8	28
20836	Plasma nanoscience: from nano-solids in plasmas to nano-plasmas in solids. Advances in Physics, 2013, 62, 113-224.	14.4	486
20837	Nanoelectromechanical devices with carbon nanotubes. Current Applied Physics, 2013, 13, 1844-1859.	2.4	35
20838	Preosteoblasts behavior in contact with single-walled carbon nanotubes synthesized by radio frequency induction thermal plasma using various catalysts. Journal of Applied Toxicology, 2013, 33, 1143-1155.	2.8	12
20839	A needle trap device packed with a sol-gel derived, multi-walled carbon nanotubes/silica composite for sampling and analysis of volatile organohalogen compounds in air. Analytica Chimica Acta, 2013, 785, 67-74.	5.4	49
20840	Hexavalent chromium removal by various adsorbents: Powdered activated carbon, chitosan, and single/multi-walled carbon nanotubes. Separation and Purification Technology, 2013, 106, 63-71.	7.9	287
20841	Noncovalent functionalization of boron nitride nanotubes using water-soluble synthetic polymers and the subsequent preparation of superhydrophobic surfaces. Polymer Journal, 2013, 45, 567-570.	2.7	17
20842	Fabrication and characterization of carbon nanotube-polyimide composite based high temperature flexible thin film piezoresistive strain sensor. Sensors and Actuators A: Physical, 2013, 199, 265-271.	4.1	51
20843	Transfer of microstructure pattern of CNTs onto flexible substrate using hot press technique for sensing applications. Materials Research Bulletin, 2013, 48, 2804-2808.	5.2	23

#	ARTICLE	IF	CITATIONS
20844	Robust nanobioconjugates of <i>Candida antarctica</i> lipase B “ Multiwalled carbon nanotubes: Characterization and application for multiple usages in non-aqueous biocatalysis. <i>Bioresource Technology</i> , 2013, 140, 103-110.	9.6	63
20847	Composite structure and properties of Mn ₃ O ₄ /graphene oxide and Mn ₃ O ₄ /graphene. <i>Journal of Materials Chemistry A</i> , 2013, , .	10.3	22
20848	Mechanics and morphology of single-walled carbon nanotubes: from graphene to the elastica. <i>Philosophical Magazine</i> , 2013, 93, 2057-2088.	1.6	20
20849	Multi-walled carbon nanotube/poly(glycine) modified carbon paste electrode for the determination of dopamine in biological fluids and pharmaceuticals. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 110, 458-465.	5.0	69
20850	Scalable One-Step Wet-Spinning of Graphene Fibers and Yarns from Liquid Crystalline Dispersions of Graphene Oxide: Towards Multifunctional Textiles. <i>Advanced Functional Materials</i> , 2013, 23, 5345-5354.	14.9	354
20851	Template-assisted hydrothermal synthesis and photocatalytic activity of novel TiO ₂ hollow nanostructures. <i>Ceramics International</i> , 2013, 39, 4969-4974.	4.8	36
20852	Synthesis of A ₃₅ 6 “MWCNT nanocomposites through a novel two stage casting process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 582, 262-269.	5.6	35
20853	Synthesis of aligned carbon nanotube composite fibers with high performances by electrochemical deposition. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2211-2216.	10.3	39
20854	Effects of the magnetic field direction and anisotropy on the interband light absorption of an asymmetric quantum dot. <i>Journal of Mathematical Physics</i> , 2013, 54, 062102.	1.1	17
20855	Exploring magnetic properties and Curved Ĩ-Conjugation of B _x N _y C _z nanotubes using density functional theory. <i>Superlattices and Microstructures</i> , 2013, 57, 66-76.	3.1	6
20856	A quantum chemistry study on surface reactivity of pristine and carbon-substituted AlN nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 53, 161-167.	2.7	4
20857	Capillary microextraction combined with fluorinating assisted electrothermal vaporization inductively coupled plasma optical emission spectrometry for the determination of trace lanthanum, europium, dysprosium and yttrium in human hair. <i>Talanta</i> , 2013, 115, 342-348.	5.5	21
20858	NH ₃ on a BC ₃ nanotube: effect of doping and decoration of aluminum. <i>Journal of Molecular Modeling</i> , 2013, 19, 3793-3798.	1.8	20
20859	Base-growth mechanism of double-walled carbon nanotube in chemical vapor deposition. <i>Journal of Crystal Growth</i> , 2013, 371, 56-59.	1.5	3
20860	Stretching induced interfacial crystallization and property enhancement of poly(l-lactide)/single-walled carbon nanotubes fibers. <i>Composites Science and Technology</i> , 2013, 83, 47-53.	7.8	12
20861	Novel nanocomposites and hybrids for high-temperature lubricating coating applications. , 2013, , 717-778.		3
20862	STM and STS Studies on the Density of States Modulation of Pr@C ₈₂ and Sc ₃ C ₂ @C ₈₀ Binary-Metallofullerene Peapods. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6966-6971.	3.1	3
20863	Aqueous rechargeable lithium batteries as an energy storage system of superfast charging. <i>Energy and Environmental Science</i> , 2013, 6, 2093.	30.8	348

#	ARTICLE	IF	CITATIONS
20865	Electron Transport at the Nanometer-Scale Spatially Revealed by Four-Probe Scanning Tunneling Microscopy. <i>Advanced Functional Materials</i> , 2013, 23, 2509-2524.	14.9	50
20866	Nanofiber Bundles and Yarns Production by Electrospinning: A Review. <i>Advances in Polymer Technology</i> , 2013, 32, .	1.7	54
20867	Effect of highly dispersed carbon nanotubes on the flexural toughness of cement-based composites. <i>Construction and Building Materials</i> , 2013, 46, 8-12.	7.2	172
20868	Quantum mechanical treatment of binding energy between DNA nucleobases and carbon nanotube: A DFT analysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 65-71.	2.7	20
20869	Electrical and rheological properties of MWCNT/polycarbonate nanocomposites. <i>Polymer Bulletin</i> , 2013, 70, 1709-1721.	3.3	8
20870	Polypyrrole-Decorated Ag-TiO ₂ Nanofibers Exhibiting Enhanced Photocatalytic Activity under Visible-Light Illumination. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6201-6207.	8.0	237
20871	SWCNT Induced Crystallization in an Amorphous All-Aromatic Poly(ether imide). <i>Macromolecules</i> , 2013, 46, 1492-1503.	4.8	34
20872	Diamond Hydrocarbons and Related Structures. <i>Carbon Materials</i> , 2013, , 1-27.	1.2	5
20873	Carbon Nanotubes-Based Label-Free Affinity Sensors for Environmental Monitoring. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 1011-1025.	2.9	21
20874	Effect of CNT alignment on the strain sensing capability of carbon nanotube composites. <i>Smart Materials and Structures</i> , 2013, 22, 075006.	3.5	72
20875	Biodegradable poly(ethylene succinate) nanocomposites. Effect of filler type on thermal behaviour and crystallization kinetics. <i>Polymer</i> , 2013, 54, 4604-4616.	3.8	43
20876	Activation energies and structural changes in carbon nanotubes during different acid treatments. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013, 114, 597-602.	3.6	14
20877	Carbon-Based Nanomaterials From a Historical Perspective. <i>Proceedings of the IEEE</i> , 2013, 101, 1522-1535.	21.3	56
20878	ZnO nanotubes: Controllable synthesis and tunable UV emission modulated by the wall thickness. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013, 54, 53-58.	2.7	3
20880	Hierarchical Nanosheet-Based MoS ₂ Nanotubes Fabricated by an Anion-Exchange Reaction of MoO ₃ ·xH ₂ O-Amine Hybrid Nanowires. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8602-8606.	13.8	180
20882	A Pariser-Parr-Pople Model Hamiltonian-Based Approach to the Electronic Structure and Optical Properties of Graphene Nanostructures. <i>Carbon Materials</i> , 2013, , 199-227.	1.2	1
20883	Advances in Hydrogen Storage in Carbon Materials. , 2013, , 269-291.		8
20885	Colloidal stability of suspended and agglomerate structures of Åsettled carbon nanotubes in different aqueous matrices. <i>Water Research</i> , 2013, 47, 3910-3920.	11.3	37

#	ARTICLE	IF	CITATIONS
20886	A solid-phase microextraction fiber with carbon nanoparticles as sorbent material prepared by a simple flame-based preparation process. <i>Journal of Chromatography A</i> , 2013, 1300, 173-179.	3.7	38
20887	Identification of Nitrogen Dopants in Single-Walled Carbon Nanotubes by Scanning Tunneling Microscopy. <i>ACS Nano</i> , 2013, 7, 7219-7226.	14.6	10
20888	Polymer Nanocomposites - Materials for Sensor Technology. <i>Materials Science Forum</i> , 0, 757, 197-216.	0.3	2
20889	Effects of Al Doping and Double-Antisite Defect on the Adsorption of HCN on a BC ₂ N Nanotube: Density Functional Theory Studies. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2427-2432.	3.1	219
20890	Electronic and optical properties of pure and doped boron-nitride nanotube. <i>Physica B: Condensed Matter</i> , 2013, 410, 212-216.	2.7	14
20891	A first-principles study of the adsorption behavior of CO on Al- and Ga-doped single-walled BN nanotubes. <i>Applied Surface Science</i> , 2013, 270, 25-32.	6.1	135
20892	On-line solid phase extraction of Cd from protein fractions of serum using oxidized carbon nanotubes coupled to electrothermal atomization atomic absorption spectrometry. <i>Microchemical Journal</i> , 2013, 110, 94-98.	4.5	11
20893	Disorder effect on conductance in a doped C ₆₀ molecular bridge. <i>Journal of Applied Physics</i> , 2013, 113, 094302.	2.5	0
20894	Microbuckling of a doublewalled carbon nanotube embedded in an elastic matrix. <i>International Journal of Solids and Structures</i> , 2013, 50, 2584-2596.	2.7	9
20895	Biobased plastics and bionanocomposites: Current status and future opportunities. <i>Progress in Polymer Science</i> , 2013, 38, 1653-1689.	24.7	866
20896	CNT Induced β -Phase in Polylactide: Unique Crystallization, Biodegradation, and Biocompatibility. <i>Journal of Physical Chemistry C</i> , 2013, 117, 10163-10174.	3.1	57
20897	Controlled synthesis of ZnO nanostructures with assorted morphologies via simple solution chemistry. <i>Journal of Alloys and Compounds</i> , 2013, 551, 233-242.	5.5	69
20898	Fibrous hydroxyapatite-carbon nanotube composites by chemical vapor deposition: In situ fabrication, structural and morphological characterization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013, 178, 457-464.	3.5	14
20899	Synthesis of graphene-ZnO nanorod nanocomposites with improved photoactivity and anti-photocorrosion. <i>CrystEngComm</i> , 2013, 15, 3022.	2.6	309
20900	A combination of nordihydroguaiaretic acid as an electron transfer mediator and multi-walled carbon nanotubes for simultaneous electrocatalytic determination of noradrenaline, uric acid, and tryptophan. <i>Catalysis Science and Technology</i> , 2013, 3, 1224.	4.1	1
20901	Ultrasound-assisted solid-phase extraction using multiwalled carbon nanotubes for determination of cadmium by flame atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2013, 28, 405.	3.0	24
20902	The impact of edges and dopants on the work function of graphene nanostructures: The way to high electronic emission from pure carbon medium. <i>Applied Physics Letters</i> , 2013, 102, 183112.	3.3	43
20903	Photoluminescent properties of new quantum dot nanoparticles/carbon nanotubes hybrid structures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 439, 138-144.	4.7	10

#	ARTICLE	IF	CITATIONS
20904	Simple, rapid and green one-step strategy to synthesis of graphene/carbon nanotubes/chitosan hybrid as solid-phase extraction for square-wave voltammetric detection of methyl parathion. Colloids and Surfaces B: Biointerfaces, 2013, 108, 266-270.	5.0	37
20905	Fabrication of Dense ZrO ₂ /CNT Composites: Influence of Bead-Milling Treatment. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4374-4381.	2.2	11
20907	Structural Deformation of Graphene–Nanotube Contacts: First-Principles Simulations. Japanese Journal of Applied Physics, 2013, 52, 035101.	1.5	1
20908	Microstructure and mechanical properties of bulk carbon nanotubes compacted by spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 573, 12-17.	5.6	27
20909	Theory of coherent phonons in carbon nanotubes and graphene nanoribbons. Journal of Physics Condensed Matter, 2013, 25, 144201.	1.8	30
20910	Migration of MWCNTs during melt preparation of ABS/PC/MWCNT conductive composites via PC/MWCNT masterbatch approach. Polymer, 2013, 54, 447-455.	3.8	42
20911	Influence of surface modification of carbon nanotube on microstructures and properties of polyamide 66/multiwalled carbon nanotube composites. Polymer Composites, 2013, 34, 656-664.	4.6	15
20912	Epoxy functionalized multi-walled carbon nanotubes for improved adhesives. Carbon, 2013, 59, 109-120.	10.3	105
20913	Improved conductivity and thermal stability by the formation of a charge-transfer complex in Î²-Î²-nucleation-agent-nucleated and MWCNT-filled iPP composites. Journal of Applied Polymer Science, 2013, 129, 2744-2753.	2.6	9
20914	Unprecedented simultaneous enhancement in strain tolerance, toughness and strength of Al ₂ O ₃ ceramic by multiwall-type failure of a high loading of carbon nanotubes. Nanotechnology, 2013, 24, 155702.	2.6	37
20915	Postbuckling of nanotube-reinforced composite cylindrical shells under combined axial and radial mechanical loads in thermal environment. Composites Part B: Engineering, 2013, 52, 311-322.	12.0	116
20916	A novel coating based on carbon nanotubes/poly-ortho-phenylenediamine composite for headspace solid-phase microextraction of polycyclic aromatic hydrocarbons. Talanta, 2013, 108, 66-73.	5.5	57
20917	Carbon nanotubes/TiO ₂ nanotubes composite photocatalysts for efficient degradation of methyl orange dye. Particuology, 2013, 11, 737-742.	3.6	75
20918	Influence of oxygen/sulfur-termination on electronic structure and surface electrostatic potential of (6,0) carbon nanotube: a DFT study. Structural Chemistry, 2013, 24, 1571-1578.	2.0	8
20919	Advanced Carbon Materials. , 2013, , 25-60.		5
20920	Nanoparticulates. , 2013, , 1373-1419.		5
20921	Dimensionless Analysis of Carbon Nanotube Oscillators: Design Aspects. Journal of Nanomechanics & Micromechanics, 2013, 3, 9-15.	1.4	4
20922	Fabrication and magnetic properties of CoNi alloy nanotube arrays. Journal of Magnetism and Magnetic Materials, 2013, 342, 69-73.	2.3	20

#	ARTICLE	IF	CITATIONS
20923	Rational Design of Advanced Thermoelectric Materials. <i>Advanced Energy Materials</i> , 2013, 3, 549-565.	19.5	264
20924	Al-doped graphene-like BN nanosheet as a sensor for para-nitrophenol: DFT study. <i>Superlattices and Microstructures</i> , 2013, 59, 115-122.	3.1	185
20925	Tailored dielectric and mechanical properties of noncovalently functionalized carbon nanotube/poly(styrene- <i>b</i> -(ethylene-co-butylene)- <i>b</i> -styrene) nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013, 129, 2305-2312.	1.0	16
20926	Screw Dislocation Driven Growth of Nanomaterials. <i>Accounts of Chemical Research</i> , 2013, 46, 1616-1626.	15.6	275
20927	Fabrication of p-type ZnSe:Sb nanowires for high-performance ultraviolet light photodetector application. <i>Nanotechnology</i> , 2013, 24, 095603.	2.6	36
20928	Understanding the toxicity of carbon nanotubes in the environment is crucial to the control of nanomaterials in producing and processing and the assessment of health risk for human: A review. <i>Environmental Toxicology and Pharmacology</i> , 2013, 36, 451-462.	4.0	157
20929	An organic cathode material based on a polyimide/CNT nanocomposite for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 6366.	10.3	197
20930	Development of a square wave voltammetric method for dopamine determination using a biosensor based on multiwall carbon nanotubes paste and crude extract of Cucurbita pepo L.. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 743-754.	7.8	29
20931	Fracture and negative Poisson's ratio of novel spanned-fullerenes nanotube networks under tension. <i>Computational Materials Science</i> , 2013, 80, 15-26.	3.0	19
20932	Adsorption of Complex Pollutants from Aqueous Solutions by Nanocomposite Materials. <i>Clean - Soil, Air, Water</i> , 2013, 41, 574-580.	1.1	9
20933	Synthesis, characterization, and supercapacitor studies of manganese (IV) oxide nanowires. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 868-876.	4.0	26
20934	Fundamental size dependent natural frequencies of non-uniform orthotropic nano scaled plates using nonlocal variational principle and finite element method. <i>Applied Mathematical Modelling</i> , 2013, 37, 7047-7061.	4.2	27
20935	Polysiloxane Nanotubes. <i>Chemistry of Materials</i> , 2013, 25, 2787-2792.	6.7	41
20936	Carbon Nanotube/Polymer Nanocomposites: A Brief Modeling Overview. <i>Key Engineering Materials</i> , 0, 542, 29-42.	0.4	10
20937	Striking influence of Fe ₂ O ₃ on the catalytic carbonization of chlorinated poly(vinyl chloride) into carbon microspheres with high performance in the photo-degradation of Congo red. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5247.	10.3	69
20938	Electrospun TiO ₂ -MWCNTs nanofibers as photoanode in dye-sensitized solar cell (DSSC). <i>Journal of Materials Science</i> , 2013, 48, 5261-5272.	3.7	11
20939	The microwave absorbing properties of SmCo attached single wall carbon nanotube/epoxy composites. <i>Journal of Alloys and Compounds</i> , 2013, 575, 123-127.	5.5	38
20940	Functionalization of multi-wall carbon nanotubes to reduce the coefficient of the friction and improve the wear resistance of multi-wall carbon nanotube/epoxy composites. <i>Carbon</i> , 2013, 54, 277-282.	10.3	131

#	ARTICLE	IF	CITATIONS
20941	Nanophotocatalysts via microwave-assisted solution-phase synthesis for efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8299.	10.3	107
20942	Vibration analysis of embedded nanotubes using nonlocal continuum theory. <i>Composites Part B: Engineering</i> , 2013, 47, 96-101.	12.0	45
20943	Selectively reduction of tobacco specific nitrosamines in cigarette smoke by use of nanostructural titanates. <i>Nanoscale</i> , 2013, 5, 5519.	5.6	18
20945	Nonlinear thermal-mechanical vibration of flow-conveying double-walled carbon nanotubes subjected to random material property. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 219-229.	2.2	15
20946	Identifying the largest environmental life cycle impacts during carbon nanotube synthesis via chemical vapour deposition. <i>Journal of Cleaner Production</i> , 2013, 42, 180-189.	9.3	48
20947	Electro-mechanical modeling of the piezoresistive response of carbon nanotube polymer composites. <i>Smart Materials and Structures</i> , 2013, 22, 055032.	3.5	16
20948	Concavity Effects on the Optical Properties of Aromatic Hydrocarbons. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12909-12915.	3.1	3
20949	Beryllium Oxide Nanotubes and their Connection to the Flat Monolayer. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12864-12872.	3.1	60
20950	Characterization and mechanical performance comparison of multiwalled carbon nanotube/polyurethane composites fabricated by electrospinning and solution casting. <i>Composites Part B: Engineering</i> , 2013, 44, 613-619.	12.0	112
20951	Characterizing load transfer efficiency in double-walled carbon nanotubes using multiscale finite element modeling. <i>Composites Part B: Engineering</i> , 2013, 44, 394-402.	12.0	14
20952	Modeling of two-phase random composite materials by finite element, Mori-Tanaka and strong contrast methods. <i>Composites Part B: Engineering</i> , 2013, 45, 1117-1125.	12.0	140
20953	Effects of the dispersion of polymer wrapped two neighbouring single walled carbon nanotubes (SWNTs) on nanoengineering load transfer. <i>Composites Part B: Engineering</i> , 2013, 45, 1714-1721.	12.0	43
20954	Prediction of the biaxial buckling and vibration behavior of graphene via a nonlocal atomistic-based plate theory. <i>Composite Structures</i> , 2013, 95, 88-94.	5.8	41
20955	Effect of NH ₂ -MWCNTs on crosslink density of epoxy matrix and ILSS properties of e-glass/epoxy composites. <i>Composite Structures</i> , 2013, 95, 213-221.	5.8	92
20956	Fracture behavior of epoxy nanocomposites reinforced with different carbon nano-reinforcements. <i>Composite Structures</i> , 2013, 95, 577-581.	5.8	74
20957	Thermal decomposition of lignin structural modification in termite digested softwood (II). <i>Fuel</i> , 2013, 104, 781-787.	6.4	14
20958	Physicochemical and microtextural characterization of activated carbons produced from water steam activation of three bamboo species. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013, 99, 32-39.	5.5	41
20959	A dispersability study on poly(thiophen-3-yl-acetic acid) and PEDOT multi-walled carbon nanotube composites using an analytical centrifuge. <i>Journal of Colloid and Interface Science</i> , 2013, 390, 62-69.	9.4	14

#	ARTICLE	IF	CITATIONS
20960	Synthesis and growth mechanism of tubular $YAl_3(BO_3)_4$ crystals in millimeter diameter. Journal of Crystal Growth, 2013, 362, 111-115.	1.5	1
20961	Nonlinear vibration analysis of double-walled carbon nanotubes based on nonlocal elasticity theory. Applied Mathematical Modelling, 2013, 37, 1096-1107.	4.2	104
20962	Effect of MWNT electroless Ag plating on field emission properties of MWNT/Ag nanocomposite cathodes. Applied Surface Science, 2013, 264, 593-597.	6.1	14
20963	Carbon nitride nanotube as a sensor for alkali and alkaline earth cations. Applied Surface Science, 2013, 264, 699-706.	6.1	82
20964	Nanowelding configuration between carbon nanotubes in axial direction. Applied Surface Science, 2013, 264, 713-717.	6.1	44
20965	Triple layered core-shell structure with surface fluorinated ZnO-carbon nanotube composites and its electron emission properties. Applied Surface Science, 2013, 265, 66-70.	6.1	9
20966	Electrochemical determination of Clozapine on MWCNTs/New Coccine doped PPY modified GCE: An experimental design approach. Bioelectrochemistry, 2013, 90, 36-43.	4.6	41
20967	A simple route to fabricate controllable and stable multilayered all-MWNTs films and their applications for the detection of NADH at low potentials. Biosensors and Bioelectronics, 2013, 39, 289-295.	10.1	34
20968	Carbon nanotubes-nanoflake-like SnS_2 nanocomposite for direct electrochemistry of glucose oxidase and glucose sensing. Biosensors and Bioelectronics, 2013, 41, 698-703.	10.1	93
20969	Molecular dynamics modeling and simulations of graphene-nanoribbon-resonator-based nanobalance as yoctogram resolution detector. Computational Materials Science, 2013, 67, 329-333.	3.0	38
20970	Molecular dynamics study on buckling of single-wall carbon nanotube-based intramolecular junctions and influence factors. Computational Materials Science, 2013, 67, 390-396.	3.0	24
20971	Synthesis and characterization of amorphous silicon oxide nanowires embedded with Ni nanoparticles. Materials Chemistry and Physics, 2013, 137, 898-903.	4.0	7
20972	Synthesis and thermal behavior of poly(μ -caprolactone) grafted on multiwalled carbon nanotubes with high grafting degrees. Materials Chemistry and Physics, 2013, 137, 1053-1061.	4.0	17
20973	The effect of functionalization on the viscoelastic behavior of multi-wall carbon nanotube/epoxy composites. Materials & Design, 2013, 45, 510-517.	5.1	56
20974	Growth of ordered multi-walled carbon nanotubes over mesoporous 3D cubic Zn/Fe-KIT-6 molecular sieves and its use in the fabrication of epoxy nanocomposites. Microporous and Mesoporous Materials, 2013, 167, 162-175.	4.4	33
20975	Nanoindentation studies on MWCNT/aluminum alloy 6061 nanocomposites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 559, 920-923.	5.6	27
20976	Mechanical properties of defective β -graphyne using molecular dynamics simulations. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 561, 34-39.	5.6	59
20977	Characterization of carbon nanotubes decorated with $NiFe_2O_4$ magnetic nanoparticles as a novel electrochemical sensor: Application for highly selective determination of sotalol using voltammetry. Materials Science and Engineering C, 2013, 33, 202-208.	7.3	37

#	ARTICLE	IF	CITATIONS
20978	Influence of dry and wet ball milling on dispersion characteristics of the multi-walled carbon nanotubes in aqueous solution with and without surfactant. Powder Technology, 2013, 234, 132-140.	4.2	142
20979	Fluorination of the exterior surface of AlN nanotube: A DFT study. Superlattices and Microstructures, 2013, 53, 9-15.	3.1	22
20980	Effects of a transverse electric field on the electronic properties of single- and multi-wall BN nanotubes. Solid State Communications, 2013, 153, 40-45.	1.9	14
20981	High-quality single-walled carbon nanotubes synthesized from asphalt and petroleum coke. , 2013, , .		0
20982	Size Dependent Transport of Surrounding Gate Carbon Nanotube Field Effect Transistor. ECS Journal of Solid State Science and Technology, 2013, 2, M23-M27.	1.8	1
20983	Carbon Nanotubes: Good Candidate for VLSI Interconnects. Applied Mechanics and Materials, 0, 378, 165-171.	0.2	0
20984	Fabrication and photoelectrochemical properties of ZnS/Au/TiO ₂ nanotube array films. Physical Chemistry Chemical Physics, 2013, 15, 4041.	2.8	49
20985	The Use of Nanoscaled Fibers or Tubes to Improve Biocompatibility and Bioactivity of Biomedical Materials. Journal of Nanomaterials, 2013, 2013, 1-16.	2.7	30
20986	Dynamic behaviours of carbon nanotubes under dc voltage based on strain gradient theory. Journal Physics D: Applied Physics, 2013, 46, 405101.	2.8	14
20987	Structural and Compositional Regulation of Nitrogen-Doped Carbon Nanotubes with Nitrogen-Containing Aromatic Precursors. Journal of Physical Chemistry C, 2013, 117, 7811-7817.	3.1	18
20988	The role of plasma treatment on electrochemical capacitance of undoped and nitrogen doped carbon nanotubes. Nanomaterials and Energy, 2013, 2, 71-81.	0.2	4
20989	Rectification due to harmonic mixing of two coherent electromagnetic waves with commensurate frequencies in carbon nanotubes. European Physical Journal B, 2013, 86, 1.	1.5	7
20990	Study on Antistatic Modification of Carbon Nanotube on Silk Fabric. Advanced Materials Research, 2013, 821-822, 51-54.	0.3	2
20991	STUDY ON SMALL-SIGNAL IMPEDANCE OF SINGLE-WALLED ZIGZAG CARBON NANOTUBES IN TERAHERTZ FREQUENCY REGIME. International Journal of Modern Physics B, 2013, 27, 1350105.	2.0	1
20992	AN EFFICIENT FINITE ELEMENT MODEL FOR ANALYSIS OF SINGLE WALLED BORON NITRIDE NANOTUBE-BASED RESONANT NANOMECHANICAL SENSORS. Nano, 2013, 08, 1350011.	1.0	12
20993	Facile Fabrication of Polyolefin/Carbon Nanotube Composites via in Situ Friedel-Crafts Polyalkylation: Structure and Properties. Industrial & Engineering Chemistry Research, 2013, 52, 14384-14395.	3.7	11
20994	Trace level ammonia sensing by SWCNTs (network/film) based resistive sensor using a simple approach in sensor development and design. International Nano Letters, 2013, 3, 1.	5.0	18
20995	Molecular dynamics simulation on thermal conductivity of single-walled carbon nanotubes. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
20996	Gene delivery platforms. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 637-647.	2.6	8
20997	Grain refinement and tensile strength of carbon nanotube-reinforced Cu matrix nanocomposites processed by high-pressure torsion. <i>Metals and Materials International</i> , 2013, 19, 927-932.	3.4	41
20998	Structural, electronic, vibrational, and elastic properties of SWCNTs doped with B and N: an ab initio study. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	10
20999	Negative thermoelectric power from large diameter multiwalled carbon nanotubes grown at high chemical vapor deposition temperatures. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	13
21000	Preferential Adsorption of Zigzag Single-Walled Carbon Nanotubes on the ST-Cut Surface of Quartz. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4639-4646.	3.1	3
21001	Growth and Formation Mechanism of Branched Carbon Nanotubes by Pyrolysis of Iron(II) Phthalocyanine. <i>Nano-Micro Letters</i> , 2013, 5, 124-128.	27.0	9
21002	Nonlinear vibration of embedded single-walled carbon nanotube with geometrical imperfection under harmonic load based on nonlocal Timoshenko beam theory. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2013, 34, 269-280.	3.6	26
21003	A carbon nanotube vibration gyroscope based on field emission. , 2013, , .		0
21004	Simple Metal-catalyst-free Production of Carbon Nanostructures. <i>Australian Journal of Chemistry</i> , 2013, 66, 1435.	0.9	5
21005	Identifying Transformative Scientific Research. , 2013, , .		8
21006	High stability electron field emitters made of nanocrystalline diamond coated carbon nanotubes. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	23
21007	Coated and functionalised single-walled carbon nanotubes (SWCNTs) as gas sensors. , 2013, , 356-385.		3
21008	First-Principles Calculations of Hydrogen Monomers and Dimers Adsorbed in Graphene and Carbon Nanotubes. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 044702.	1.6	7
21009	Functionally Graded Dual-Nanoparticulate-Reinforced Aluminum Matrix Composite Materials. <i>Journal of Physics: Conference Series</i> , 2013, 419, 012004.	0.4	4
21010	New Carbon Allotropes with Helical Chains of Complementary Chirality Connected by Ethene-type π -Conjugation. <i>Scientific Reports</i> , 2013, 3, 3077.	3.3	52
21011	Carbon nanotube production and application in energy storage. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2013, 8, 234-245.	1.5	23
21012	Carbon nanotube and metal oxide hybrid materials for gas sensing. , 2013, , 386-407.		20
21013	Characterization of Fluorinated Multi-Walled and Single-Walled Carbon Nanotubes Using High Resolution XPS and EDX. <i>Advanced Materials Research</i> , 0, 699, 194-199.	0.3	0

#	ARTICLE	IF	CITATIONS
21014	Nanowire Templated Semihollow Bicontinuous Graphene Scrolls: Designed Construction, Mechanism, and Enhanced Energy Storage Performance. Journal of the American Chemical Society, 2013, 135, 18176-18182.	13.7	187
21015	Nanocarbon Hybrids: Interactions with Luminophores to Applications in Energy Harvesting and Solar Fuel Production. Journal of Physical Chemistry Letters, 2013, 4, 842-843.	4.6	3
21017	Surface modification and functionalization of carbon nanotube with some organic compounds. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 035017.	1.5	131
21018	Highly Sensitive and Selective Amperometric Detection of Periodate at Glassy Carbon Electrode Modified with a Cyclometalated Iridium(III) Complex and Single-Wall Carbon Nanotubes. Journal of the Chinese Chemical Society, 2013, 60, 171-178.	1.4	5
21019	Modified (n, 0) BN nanotubes (n=3-10) by acetic acids: DFT studies. Superlattices and Microstructures, 2013, 55, 1-7.	3.1	17
21020	Platinum-mediated healing of defective graphene produced by irradiating glassy carbon with a hydrogen ion-beam. Materials Chemistry and Physics, 2013, 141, 27-34.	4.0	11
21021	CNTFET: The emerging post-CMOS device. , 2013, , .		15
21022	Nanotechnology: Toxicologic Pathology. Toxicologic Pathology, 2013, 41, 395-409.	1.8	58
21023	Laser applications in nanotechnology: nanofabrication using laser ablation and laser nanolithography. Physics-Uspekhi, 2013, 56, 643-682.	2.2	74
21024	Study of the effective field emitting angle for an individual carbon nanotube. Journal of the Korean Physical Society, 2013, 63, 1213-1217.	0.7	3
21025	Molecular-level computational studies of single wall carbon nanotube-polyethylene composites. Computational Materials Science, 2013, 69, 443-454.	3.0	45
21026	Fabrication of tunable carbon micro- and nanotubes using reed as bio-template. Materials Letters, 2013, 107, 79-82.	2.6	7
21027	Carbon Nanotube FET Technology for Radio-Frequency Electronics: State-of-the-Art Overview. IEEE Journal of the Electron Devices Society, 2013, 1, 9-20.	2.1	82
21028	Direct observation of substrate induced exciton in carbon nanotube. Applied Physics Letters, 2013, 103, .	3.3	1
21029	Effective mechanical properties of nanocomposites reinforced with wavy carbon nanotubes. Materials Science and Technology, 2013, 29, 913-920.	1.6	3
21030	Time-Resolved Observation of Chiral-Index-Selective Wrapping on Single-Walled Carbon Nanotube with Non-Aromatic Polysilane. Journal of the American Chemical Society, 2013, 135, 2374-2383.	13.7	22
21031	DESALINATION BY CAPACITIVE DEIONIZATION WITH CARBON-BASED MATERIALS AS ELECTRODE: A REVIEW. Surface Review and Letters, 2013, 20, 1330003.	1.1	42
21032	Adsorption behavior and electronic properties of Pd _n (n=1-10) clusters on silicon carbide nanotubes: a first-principles study. Journal of Physics Condensed Matter, 2013, 25, 085302.	1.8	1

#	ARTICLE	IF	CITATIONS
21033	Poly(3-hydroxybutyrate)/multi-walled carbon nanotubes nanocomposites: preparation and characterizations. <i>Designed Monomers and Polymers</i> , 2013, 16, 99-107.	1.6	14
21034	Functionalization and Toxicity Effect of Multi-walled Carbon Nanotubes with Urea Derivatives via Microwave Irradiation. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 568-578.	2.1	10
21035	Multi-Walled Carbon Nanotubes/Graphene Oxide Composites for Humidity Sensing. <i>IEEE Sensors Journal</i> , 2013, 13, 4749-4756.	4.7	56
21036	Humidity Effects on Anisotropic Nanofriction Behaviors of Aligned Carbon Nanotube Carpets. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 9501-9507.	8.0	9
21037	Effects of Increasing Electrodes on CNTs Yield Synthesized by Using Arc-Discharge Technique. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	2.7	22
21038	Failure mechanisms of ceramic nanocomposites. , 2013, , 117-152.		3
21039	Effect of Softwood Kraft Lignin Fractionation on the Dispersion of Multiwalled Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 6311-6317.	3.7	43
21040	Electronic properties of pristine and modified single-walled carbon nanotubes. <i>Physics-Uspexhi</i> , 2013, 56, 1047-1073.	2.2	34
21041	Local Reconstructions of Silicene Induced by Adatoms. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26305-26315.	3.1	91
21042	Modeling and analysis of a SWCNT piezoresistive pressure sensor. , 2013, , .		5
21043	Effect of Expanded Temperature on Microstructure of Carbon Nanotubes/Expanded Graphite Composites. <i>Advanced Materials Research</i> , 2013, 716, 373-378.	0.3	0
21044	Effect of Geometric Nanostructures on the Absorption Edges of 1-D and 2-D TiO ₂ Fabricated by Atomic Layer Deposition. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 3549-3555.	8.0	16
21045	Adsorption of SO ₂ by typical carbonaceous material: a comparative study of carbon nanotubes and activated carbons. <i>Adsorption</i> , 2013, 19, 959-966.	3.0	60
21046	Use of multilayer carbon nanotubes made from plant materials as sorption-based hydrogen storage containers. <i>Chemistry and Technology of Fuels and Oils</i> , 2013, 49, 281-286.	0.5	4
21047	Improved the electrochemical property of multiwall carbon nanotubes by mesophase pitch fluoride coating. <i>Journal of Materials Science</i> , 2013, 48, 8454-8462.	3.7	1
21048	Rheological studies of semidilute polyacrylamide/carbon nanotube nanofluids. <i>Journal of Polymer Research</i> , 2013, 20, 1.	2.4	6
21049	Atomic hydrogen and oxygen adsorptions in single-walled zigzag silicon nanotubes. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	0
21050	Au nanoparticles decorated SiO ₂ nanowires by dewetting on curved surfaces: facile synthesis and nanoparticles' nanowires sizes correlation. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	16

#	ARTICLE	IF	CITATIONS
21051	Surface structure and optical property of amorphous carbon nanotubes hybridized with cadmium selenide quantum dots. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	6
21052	Low-power X-ray tubes (the current state). <i>Physics-Uspexhi</i> , 2013, 56, 691-703.	2.2	14
21053	Modeling the doping effect in carbon nanotubes for enhanced conductance. , 2013, , .		1
21054	Environmental effects on the Raman spectra of single walled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 2635-2638.	1.5	10
21055	Carbon nanotube (CNT) reinforced glass and glass-ceramic matrix composites. , 2013, , 208-256.		5
21056	Simulation of pulse-induced nonthermal dynamics of molecules encapsulated in carbon nanotubes. <i>Journal of Materials Research</i> , 2013, 28, 558-563.	2.6	0
21057	Robust and stable intercalated graphene encapsulation of tin nanorods for enhanced cycle and capacity performance for lithium storage. <i>RSC Advances</i> , 2013, 3, 21588.	3.6	12
21058	Surface treatment of carbon nanotubes using plasma technology. , 2013, , 474-505.		2
21059	Evaluation of effective mechanical properties of nanocomposites reinforced with multiwalled carbon nanotube. <i>Materials Science and Technology</i> , 2013, 29, 1484-1491.	1.6	1
21060	Surface-enhanced Raman scattering and fluorescence emission of gold nanoparticle-encapsulated multiwalled carbon nanotube hybrids. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 12-20.	2.5	37
21061	Mechanical and electrical properties of carbon nanotubes surface-stamped on polydimethylsiloxane for microvalve actuation. <i>Polymer International</i> , 2013, 62, 608-615.	3.1	5
21062	Different filler effect of carbon nanotube and graphene nanoplatelet in the poly(arylene ether) Tj ETQq1 1 0.784314 rgBT /Overlock 107	3.1	1
21063	Exceptionally good, transparent and flexible FeS ₂ /poly(vinyl pyrrolidone) and FeS ₂ /poly(vinyl alcohol) nanocomposite thin films with excellent UV-shielding properties. <i>Polymer International</i> , 2013, 62, 670-675.	3.1	9
21064	Polymer Grafting to Single-Walled Carbon Nanotubes: Effect of Chain Length on Solubility, Graft Density and Mechanical Properties of Macroscopic Structures. <i>Small</i> , 2013, 9, 552-560.	10.0	42
21065	Nanomaterials-supported Pt catalysts for proton exchange membrane fuel cells. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2013, 2, 31-51.	4.1	23
21066	Impact damage sensing of multiscale composites through epoxy matrix containing carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2797-2806.	2.6	18
21067	Bio-Inspired Synthesis of Minerals for Energy, Environment, and Medicinal Applications. <i>Advanced Functional Materials</i> , 2013, 23, 10-25.	14.9	94
21068	Toward Multifunctional Wet Chemically Functionalized Graphene-Integration of Oligomeric, Molecular, and Particulate Building Blocks that Reveal Photoactivity and Redox Activity. <i>Accounts of Chemical Research</i> , 2013, 46, 53-64.	15.6	81

#	ARTICLE	IF	CITATIONS
21069	Aligned Carbon Nanotubes. Nanoscience and Technology, 2013, , .	1.5	45
21070	The top-cited research works in the Science Citation Index Expanded. Scientometrics, 2013, 94, 1297-1312.	3.0	92
21071	Carbon-nanotube-based bulk solid-state lasers. , 2013, , 144-170.		0
21072	Physical modelling of carbon nanotube field effect transistor. International Journal of Nanoparticles, 2013, 6, 224.	0.3	0
21073	CNT-cement based composites: fabrication, self-sensing properties, and prospective applications to structural health monitoring. , 2013, , .		10
21074	Electrical resistivity and piezoresistivity of Ni-CNT filled epoxy-based composites. , 2013, , .		1
21075	Review: carbon nanotube dispersal mechanisms in the fabrication of powder metallurgy metal matrix composites and effects on mechanical properties. International Journal of Theoretical and Applied Multiscale Mechanics, 2013, 2, 323.	0.6	4
21076	Oscillation of C60 Fullerene in Carbon Nanotube Bundles. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.6	21
21077	Defect-Induced Mechanical Mode Splitting in Carbon Nanotube Resonators. Journal of Vibration and Acoustics, Transactions of the ASME, 2013, 135, .	1.6	5
21078	Self-Organized Micro-Honeycomb Network Structure of Single-Walled Carbon Nanotubes for Photovoltaic Devices. , 2013, , .		0
21079	Eigenanalysis of an Euler-Bernoulli model coupled with van der Waals forces for carbon nanotubes. IMA Journal of Applied Mathematics, 2013, 78, 1032-1050.	1.6	2
21080	Au Coating of Carbon Nanofiber-Tipped SPM Probes for Immobilization of Thiolated Biomolecules. Journal of Physics: Conference Series, 2013, 417, 012061.	0.4	0
21081	Development of an environmental high-voltage electron microscope for reaction science. Microscopy (Oxford, England), 2013, 62, 205-215.	1.5	45
21082	Preparation of Polyhedral Graphite Particles by Arc Discharge under Atmospheric Pressure. Japanese Journal of Applied Physics, 2013, 52, 01AK01.	1.5	4
21083	Effect of Plasmaâ€“Nitric Acid Treatment on the Electrical Conductivity of Flexible Transparent Conductive Films. Japanese Journal of Applied Physics, 2013, 52, 075102.	1.5	8
21084	Zero-temperature phase diagram of D₂ physisorbed on graphane. Journal of Physics Condensed Matter, 2013, 25, 445011.	1.8	2
21085	Nanoporous membranes by cooperative selfâ€“assembly of functionalized SEBS and titania. Surface and Interface Analysis, 2013, 45, 1252-1260.	1.8	2
21086	The Functionalization of Beta-Cyclodextrins on Multi Walled Carbon Nanotubes: Effects of the Dispersant and Non Aqueous Media. Current Nanoscience, 2013, 9, 93-102.	1.2	2

#	ARTICLE	IF	CITATIONS
21088	Self-Ordering Electron Donor-Acceptor Nanohybrids Based on Single-Walled Carbon Nanotubes Across Different Scales. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2180-2184.	13.8	41
21089	H ₂ /N ₂ Plasma Etching Rate of Carbon Films Deposited by H-Assisted Plasma Chemical Vapor Deposition. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AB01.	1.5	3
21090	Stochastic Nonlinear Vibration of Fluid-Loaded Double-Walled Carbon Nanotubes. <i>Applied Mechanics and Materials</i> , 2013, 284-287, 362-366.	0.2	0
21091	ELASTOMER COMPOSITES BASED ON CARBON NANOTUBES AND IONIC LIQUID. <i>Rubber Chemistry and Technology</i> , 2013, 86, 367-400.	1.2	40
21092	Optical properties of ordered carbon nanotube arrays grown in porous anodic alumina templates. <i>Optics Express</i> , 2013, 21, 22053.	3.4	14
21093	Graphene mode-locked multipass-cavity femtosecond Cr ⁴⁺ : forsterite laser. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 1270.	2.1	13
21094	Ultrasensitive strain sensors of multiwalled carbon nanotube/epoxy nanocomposite using dielectric loss tangent. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	27
21095	Fabrication of hundreds of field effect transistors on a single carbon nanotube for basic studies and molecular devices. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2013, 31, 06F101.	1.2	13
21096	Study of chemically functionalized carbon nanotubes. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	2
21097	Buckling characterizations of an individual multi-walled carbon nanotube: Insights from quantitative <i>in situ</i> transmission electron microscope nanoindentation and molecular dynamics. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	15
21098	Modified Carbon Nanotubes. , 2013, , 189-232.		4
21099	Processing of CNTs Reinforced Al-Based Nanocomposites Using Different Consolidation Techniques. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-10.	2.7	21
21100	Field Emission Properties of Carbon Nanotubes with Boron Doping and H ₂ O Adsorption. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	2.7	0
21101	Facile Synthesis of Template-Induced SnO ₂ Nanotubes. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-6.	2.7	4
21102	Modeling of Axially Loaded Nanowires Embedded in Elastic Substrate Media with Inclusion of Nonlocal and Surface Effects. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-14.	2.7	9
21103	Effect of Acid- and Ultraviolet/Ozonolysis-Treated MWCNTs on the Electrical and Mechanical Properties of Epoxy Nanocomposites as Bipolar Plate Applications. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	22
21104	Effects of Multiwalled Carbon Nanotube Reinforced Collagen Scaffolds on the Osteogenic Differentiation of Mesenchymal Stem Cells. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	2.7	7
21105	Analysis of Crosstalk Deviation for Bundled MWCNT with Process Induced Height and Width Variations. <i>Communications in Computer and Information Science</i> , 2013, , 214-222.	0.5	0

#	ARTICLE	IF	CITATIONS
21106	Preparation and characterization of rubbery epoxy/multiwall carbon nanotubes composites using amino acid salt assisted dispersion technique. EXPRESS Polymer Letters, 2013, 7, 329-339.	2.1	32
21107	Optical Interferometry. , 2013, , 2483-2488.		1
21108	Stability Analysis of Nonlocal Elastic Columns with Initial Imperfection. Mathematical Problems in Engineering, 2013, 2013, 1-12.	1.1	9
21109	Recent Advances in Carbon-Nanotube-Based Epoxy Composites. Carbon Letters, 2013, 14, 1-13.	5.9	51
21110	A Comparative Study of Three Different Chemical Vapor Deposition Techniques of Carbon Nanotube Growth on Diamond Films. Journal of Nanomaterials, 2013, 2013, 1-9.	2.7	8
21111	Effect of Carbon Nanotube Waviness on the Elastic Properties of the Fuzzy Fiber Reinforced Composites. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	38
21112	Thermoelastic Properties of a Novel Fuzzy Fiber-Reinforced Composite. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	15
21113	Multiwalled Carbon Nanotube Synthesis Using Arc Discharge with Hydrocarbon as Feedstock. Journal of Nanomaterials, 2013, 2013, 1-13.	2.7	16
21114	Carbon nanotube-based photovoltaic and light-emitting diodes. , 2013, , 298-318.		4
21115	Cytotoxicity of single-walled carbon nanotubes to human lung carcinoma cells: The influence of N-acetylcysteine. Archive of Oncology, 2013, 21, 59-61.	0.2	0
21116	Integration of Carbon Nanotubes in Microsystems: Local Growth and Electrical Properties of Contacts. Materials, 2013, 6, 3094-3107.	2.9	11
21117	Effects of Cs adsorption on the field emission characteristics of closed single-walled carbon nanotubes. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 021802.	1.2	0
21118	Carbon Nanotubes. Journal of Dental Research, 2013, 92, 575-583.	5.2	45
21119	Thermal Conductivities and Mechanical Properties of EPDM Filled with Modified Carbon Nanotubes. Key Engineering Materials, 0, 561, 169-173.	0.4	1
21120	ZnO Nanorods on Polymer Substrate by Solution Method. Applied Mechanics and Materials, 0, 378, 198-201.	0.2	0
21121	Progress on Cytotoxicity <i>In Vitro</i> of Carbon Nanotubes. Advanced Materials Research, 2013, 684, 42-45.	0.3	1
21122	Preparation of Nanosized Spinel Lithium Manganate by an Integrated Technique of High-Gravity Technology and Microwave Technology. Advanced Materials Research, 0, 716, 109-112.	0.3	2
21123	Evaporated Ethanol as Precursor for Carbon Nanotubes Synthesis. Advanced Materials Research, 0, 832, 322-327.	0.3	1

#	ARTICLE	IF	CITATIONS
21124	Design of Conductive MWNTs/SiO ₂ ; Humidity Sensor Interface ASIC Based on AC Signals. Key Engineering Materials, 0, 562-565, 344-349.	0.4	0
21125	Multi Wall Carbon Nanotube Surface Modification and Adsorption Performance of Cu ²⁺ . Applied Mechanics and Materials, 2013, 295-298, 1227-1230.	0.2	1
21126	Improvement in Elastic Modulus of MWCNT/Epoxy Nanocomposites. Applied Mechanics and Materials, 2013, 300-301, 1250-1253.	0.2	0
21127	Fabrication and Properties of WC-Al ₂ O ₃ ; Cemented Carbide Reinforced by Single-Walled Carbon Nanotubes. Applied Mechanics and Materials, 0, 404, 91-94.	0.2	3
21128	Thermal Stability of MWCNTs Reinforced Nanocomposites. Advanced Materials Research, 0, 634-638, 2307-2310.	0.3	0
21129	FTIR Studies of Carbon Nanotubes Produced from Fermented Tapioca Prepared by Thermal-CVD. Advanced Materials Research, 2013, 667, 538-541.	0.3	0
21130	Fluorinated MWCNT Used for Cathode of Primary Lithium Battery. Advanced Materials Research, 0, 744, 403-406.	0.3	0
21131	Structural Shifting and Electronic Properties of Stone-Wales Defect in Armchair Edge (5,5) Carbon Nanotube. Advanced Materials Research, 2013, 772, 380-385.	0.3	1
21132	Micro-Raman, Optical and Impedance Characteristics of CNT-Substituted Acrylate/CNT Nanocomposite Thin Film. Advanced Materials Research, 2013, 832, 286-291.	0.3	3
21133	Formation of Carbon Nanotubes from Methane Decomposition: Effect of Concentration of Fe ₃ O ₄ on the Diameters Distributions. Advanced Materials Research, 0, 832, 62-67.	0.3	4
21134	The Status of Research on Self-Sensing Properties of CNT-Cement Based Composites and Prospective Applications to SHM. Key Engineering Materials, 0, 569-570, 759-766.	0.4	7
21135	Processing of TiC-CNT Hybrid Composite Coating on Low Alloy Steel Using TIG Torch Technique. Applied Mechanics and Materials, 2013, 378, 259-264.	0.2	20
21136	Synthesis of Unique Structures of Carbon Nanotube at Anodic Aluminum Oxide Template. Applied Mechanics and Materials, 2013, 421, 319-323.	0.2	2
21137	Influence of Pyrazine Ring Doping on the ¹⁵ N and ¹¹ B NMR and Electronic Structure Parameters in Zigzag Boron Nitride Nanotube: A DFT Study. Journal of Chemistry, 2013, 2013, 1-10.	1.9	0
21138	Progress in Imidazolium Ionic Liquids Assisted Fabrication of Carbon Nanotube and Graphene Polymer Composites. Polymers, 2013, 5, 847-872.	4.5	78
21139	Ultrasound Assisted Hybrid Carbon Epoxy Composites Containing Carbon Nanotubes. Journal of Engineering Materials and Technology, Transactions of the ASME, 2013, 135, .	1.4	7
21140	Electron Density Modification of Single Wall Carbon Nanotubes (SWCNT) by Liquid-Phase Molecular Adsorption of Hexaiodobenzene. Materials, 2013, 6, 535-543.	2.9	11
21141	On the Phononic Bandgap of Carbon Nanotubes. Journal of Nanomaterials, 2013, 2013, 1-4.	2.7	3

#	ARTICLE	IF	CITATIONS
21142	Carbon Nanotube-Epoxy Nanocomposites: Correlation and Integration of Dynamic Impedance, Dielectric, and Mechanical Analyses. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-11.	2.7	10
21143	Precise Alignment of Individual Single-Walled Carbon Nanotube Using Dielectrophoresis Method for Development and Fabrication of pH Sensor. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	2.7	4
21144	Carbon Nanotubes: Applications in Pharmacy and Medicine. <i>BioMed Research International</i> , 2013, 2013, 1-12.	1.9	334
21145	Nonlinear Analysis of Electrically Actuated Carbon Nanotube Resonator Using a Novel Discretization Technique. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-9.	1.1	5
21146	Novel Titanium Dioxide Based Nanocomposite Anodes for Li-Ion Batteries. <i>Acta Physica Polonica A</i> , 2013, 123, 390-392.	0.5	1
21147	Adsorption of Eu(III) on oMWCNTs: Effects of pH, Ionic Strength, Solid-Liquid Ratio and Water-Soluble Fullerene. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-9.	2.7	1
21148	Enhancing Microstructure and Mechanical Properties of AZ31-MWCNT Nanocomposites through Mechanical Alloying. <i>Advances in Materials Science and Engineering</i> , 2013, 2013, 1-6.	1.8	7
21149	A Study on the Effect of Calcination Temperature on the Graphitization of Carbon Nanotubes Synthesized by the Decomposition of Methane. <i>Advanced Materials Research</i> , 0, 832, 56-61.	0.3	5
21150	Nuclear Magnetic Resonance Parameters of Pure and Diborinin-Doped (6,0) Single-Walled Zigzag BNNT: DFT Study. <i>Journal of Chemistry</i> , 2013, 2013, 1-9.	1.9	2
21151	Direct Electrochemistry of Hemoglobin Immobilized on a Functionalized Multi-Walled Carbon Nanotubes and Gold Nanoparticles Nanocomplex-Modified Glassy Carbon Electrode. <i>Sensors</i> , 2013, 13, 8595-8611.	3.8	45
21152	Computational Analysis of Non-Spherical Particle Transport and Deposition in Shear Flow With Application to Lung Aerosol Dynamics—A Review. <i>Journal of Biomechanical Engineering</i> , 2013, 135, 021008.	1.3	70
21153	A Carbon Nanotube Cable for a Space Elevator. <i>Physics Teacher</i> , 2013, 51, 462-464.	0.3	3
21154	The Analytical Transmission Electron Microscopy: A Powerful Tool for the Investigation of Low-Dimensional Carbon Nanomaterials. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-15.	2.7	6
21155	Densely Packed Linear Assemblies of Carbon Nanotube Bundles in Polysiloxane-Based Nanocomposite Films. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-10.	2.7	9
21156	Restoration of Natural Frequency of Cracked Cantilever Beam Using CNT Composite Patch: A Finite Element Study. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-6.	1.1	4
21157	Characterization of carbon nanotube aluminium nano composite-effect of ball milling time on particle size. <i>International Journal of Academic Research</i> , 2013, 5, 91-93.	0.1	0
21158	Analysis of Pd-Ni Nanobelts Melting Process Using Molecular Dynamics Simulation. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-7.	2.7	2
21159	Synthesis and Characterization of MgO-Filled Rectangular Carbon Nanocapsules. <i>Advanced Materials Research</i> , 2013, 785-786, 444-448.	0.3	1

#	ARTICLE	IF	CITATIONS
21160	Production and Characterization of MWCNTs Produced by Non-Stationary Current Regimes in Molten LiCl. Applied Mechanics and Materials, 2013, 328, 772-777.	0.2	1
21161	Temperature Sensitive Properties of Hybrid Carbon Nanotube/Carbon Fiber Cement-Based Materials. Key Engineering Materials, 0, 539, 89-93.	0.4	6
21162	Novel method using hybrid markers: development of an approach for pulmonary measurement of multi-walled carbon nanotubes. Journal of Occupational Medicine and Toxicology, 2013, 8, 30.	2.2	16
21163	A Remote Sensor for Detecting Methane Based on Palladium-Decorated Single Walled Carbon Nanotubes. Sensors, 2013, 13, 8814-8826.	3.8	21
21164	Carbon Nanotubes: A Review on Structure and Their Interaction with Proteins. Journal of Chemistry, 2013, 2013, 1-18.	1.9	420
21165	The Thermal Conductivity of Carbon Nanotubes with Defects and Intramolecular Junctions. Journal of Nanomaterials, 2013, 2013, 1-7.	2.7	10
21166	Effect of Different Concentrations of Nitric Acid on the Conductivity of Single-Walled Carbon Nanotube Transparent Films. Advanced Materials Research, 0, 658, 3-7.	0.3	8
21167	Nonlocal Elasticity Theory for Free Vibration of Single-Walled Carbon Nanotubes. Advanced Materials Research, 0, 747, 257-260.	0.3	17
21168	Synthesis and Characterization of Large Area Carbon Nanotubes Array. Advanced Materials Research, 2013, 750-752, 232-235.	0.3	0
21169	Modifications of Multi-Walled Carbon Nanotubes on Zinc Oxide Nanostructures for Carbon Monoxide (CO) Gas Sensitive Layer. Advanced Materials Research, 2013, 789, 12-15.	0.3	7
21170	Carbon nanotube sensor for vibrating molecules. New Journal of Physics, 2013, 15, 083016.	2.9	5
21171	Stress Analysis of Carbon Nanotubes Reinforced Nanocomposites. Applied Mechanics and Materials, 2013, 284-287, 357-361.	0.2	0
21172	Electrochemical Activity of Multilayer Films of Carbon Nanotubes and Redox Polymer. Applied Mechanics and Materials, 0, 341-342, 221-224.	0.2	0
21173	Self-Assembly Films on a Screen-Printed Carbon Electrode. Applied Mechanics and Materials, 2013, 341-342, 307-310.	0.2	0
21174	Mathematical Analysis for Wave Propagation Characteristics of Fluid-Filled Nonlocal Carbon Nanotubes. Applied Mechanics and Materials, 0, 444-445, 209-213.	0.2	0
21175	Calculation of the Average Length of Functionalized MWCNTs. Applied Mechanics and Materials, 0, 457-458, 1148-1151.	0.2	5
21176	A New Purification Way for Multiwalled Carbon Nanotubes. Applied Mechanics and Materials, 2013, 457-458, 240-243.	0.2	2
21177	Applications of Carbon Nanotubes for Lithium Ion Battery Anodes. Materials, 2013, 6, 1138-1158.	2.9	149

#	ARTICLE	IF	CITATIONS
21178	Simulation on the Dielectrophoretic Assembly of Carbon Nanotubes. Advanced Materials Research, 2013, 750-752, 328-331.	0.3	0
21179	Synthesis and Characterization of Antimony Doped Tin Oxide Nanocomposites for Li-Ion Batteries. Acta Physica Polonica A, 2013, 123, 383-385.	0.5	4
21180	Controlled Growth of Nao-Carbon Metarials Based on Anodic Aluminum Oxide Nanotemplate. Advanced Materials Research, 0, 641-642, 51-54.	0.3	0
21181	Vertically Aligned Carbon Nanotubes from Palm Oil Precursor. Advanced Materials Research, 0, 667, 542-548.	0.3	1
21182	Raman Spectroscopy Study of Carbon Nanotubes Prepared at Different Deposition Temperature Using Camphor Oil as a Precursor. Advanced Materials Research, 2013, 832, 628-632.	0.3	12
21183	Carbon Nanotubes: A Brief Outlook on History, Synthesis Methods and Various Bio-Hydrocarbon Sources. Advanced Materials Research, 0, 832, 792-797.	0.3	6
21184	Bioinspired Graphene Nanogut. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	4
21185	Conductive regenerated silk fibroin composite fiber containing MWNTs. E-Polymers, 2013, 13, .	3.0	4
21186	Small Scale Effect on Boundary Conditions of Cantilever Single Carbon Nanotubes. Applied Mechanics and Materials, 0, 275-277, 33-37.	0.2	0
21187	Fabrication of PLGA/MWNTs/HA Scaffolds for Biomedical Application. Applied Mechanics and Materials, 2013, 395-396, 15-19.	0.2	0
21188	Compressive Behavior of Spark Plasma Sintered CNT Reinforced Al2124 and Al6061 Nanocomposites. Advanced Materials Research, 0, 652-654, 33-37.	0.3	3
21189	Mechanical Properties and Fracture Characterization of Al-5%wtMg Composite Reinforced with Carbon Nanotube. Advanced Materials Research, 2013, 750-752, 186-190.	0.3	0
21190	Effect of SWCNT Dilution on the Resistivity of MgB2. Materials Research Society Symposia Proceedings, 2013, 1505, 1.	0.1	0
21191	Composite Content Influence on Multiwall Carbon Nanotubes-SiO ₂ Film Humidity Sensors at AC Testing. Key Engineering Materials, 2013, 562-565, 750-753.	0.4	0
21192	Mechanical Properties Investigation of Single-Walled Carbon Nanotube Using Finite Element Method. Key Engineering Materials, 2013, 550, 179-187.	0.4	1
21193	MULTIFUNCTIONAL FULLERENE- AND METALLOFULLERENE-BASED NANOBIOMATERIALS. Nano LIFE, 2013, 03, 1342003.	0.9	52
21194	Mass Production of Carbon Nanofibers on Water Soluble Support. Advanced Materials Research, 0, 678, 198-202.	0.3	0
21195	First-Principles Calculation of the Electronic Properties of Single-Walled Carbon Nanotubes under Torsions. Materials Research Society Symposia Proceedings, 2013, 1505, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
21196	The effect of substrate pore size on the network interconnectivity and electrical properties of dropcasted multiwalled carbon nanotube thin films. Journal of Materials Research, 2013, 28, 1617-1624.	2.6	12
21197	Transient response of carbon nanotubes with inhomogeneous coating under radial impact loading and magnetic field. Journal of Reinforced Plastics and Composites, 2013, 32, 410-419.	3.1	1
21198	Conducting Polyaniline Nanowire and Its Applications in Chemiresistive Sensing. Nanomaterials, 2013, 3, 498-523.	4.1	357
21200	Electroless Plating of Cu on Multi-Walled Carbon Nanotubes. Applied Mechanics and Materials, 2013, 395-396, 154-157.	0.2	0
21201	Science and Engineering of Nanomaterials. , 2013, , 1-36.		5
21202	Effects of cylindrical and sheet types of nanoparticles on thermal properties and chain folding free energy of poly(ethylene terephthalate). Journal of Reinforced Plastics and Composites, 2013, 32, 846-859.	3.1	5
21203	Study of Mechanical Properties of an LM24 Composite Alloy Reinforced with Cu-CNT Nanofillers, Processed Using Ultrasonic Cavitation. Materials Science Forum, 0, 765, 245-249.	0.3	14
21204	Dispersion of Multi-Walled Carbon Nanotubes Modified with Poly-L-Lysine in Water. Applied Mechanics and Materials, 2013, 275-277, 1785-1788.	0.2	3
21205	Multi-walled carbon nanotube as a saturable absorber for a passively mode-locked Nd:YVO4laser. Laser Physics Letters, 2013, 10, 055805.	1.4	16
21206	The Effect of Temperature on Carbon Nanotubes Grown Using Monometallic Catalyst from Palm Oil Precursor. Advanced Materials Research, 0, 667, 435-441.	0.3	0
21207	Carbon Nanotubes for Thin Film Transistor: Fabrication, Properties, and Applications. Journal of Nanomaterials, 2013, 2013, 1-16.	2.7	21
21208	Effect of multi-walled carbon nanotube reinforcement on the physical properties of poly(thiourea-azo-ether)-based nanocomposites. Journal of Plastic Film and Sheeting, 2013, 29, 365-383.	2.2	23
21209	Carbon Nano-Fragments Derived from the Lithium-Intercalated Graphite. ECS Electrochemistry Letters, 2013, 2, H27-H29.	1.9	11
21210	Optical gain and lasing in carbon nanotubes. , 2013, , 99-123e.		1
21211	Third generation photovoltaic (PV) cells for eco-efficient buildings and other applications. , 2013, , 270-296.		3
21212	Concise Review: Carbon Nanotechnology: Perspectives in Stem Cell Research. Stem Cells Translational Medicine, 2013, 2, 376-383.	3.3	22
21213	Structures and Properties of Carbon Nanotubes/Thermosets Nanocomposites Subjected to External Electric Field during Cure Stage. Materials Science Forum, 2013, 743-744, 126-137.	0.3	1
21214	Synthesis and Characterization of Fe ²⁺ -CTS/CA-CNTs Composite and its Magnetic Properties. Advanced Materials Research, 0, 680, 49-53.	0.3	0

#	ARTICLE	IF	CITATIONS
21215	Flow Measurements in Metal Oxide-Nanoparticle Suspensions in a Rectangular Natural Circulation Loop. Advanced Materials Research, 2013, 685, 145-149.	0.3	3
21216	Synthesis of Patterned Carbon Nanotubes Based on Anodic Aluminum Nano-Templates. Advanced Materials Research, 0, 641-642, 534-537.	0.3	0
21217	Nonionic Electrophoretic Sorting of SWCNTs into Metallic and Semiconducting Tubes. Materials Research Society Symposia Proceedings, 2013, 1505, 1.	0.1	0
21218	A Systematic and Comparative Study of Binary Metal Catalysts for Carbon Nanotube Fabrication Using CVD and Laser Evaporation. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 273-285.	2.1	7
21219	Synthesis of Carbon Nanotubes by Chemical Vapour Deposition of Camphor Oil over Ferrocene and Aluminum Isopropoxide Catalyst. Advanced Materials Research, 0, 667, 213-217.	0.3	18
21220	Multiscale Modeling of Nanocomposite Structures with Defects. Key Engineering Materials, 0, 577-578, 141-144.	0.4	0
21221	Development of a Nanomanipulation System for Handling Nanowires. Key Engineering Materials, 2013, 562-565, 1092-1097.	0.4	1
21222	Electrochemical Synthesis of Platinum-Reduced Graphene Oxide Hybrids for Methanol Oxidation. Advanced Materials Research, 0, 709, 58-61.	0.3	0
21223	Microporous Carbonaceous Materials Incorporated with Metal (Ti, V and Zn) for Hydrogen Storage. Materials Science Forum, 2013, 755, 111-117.	0.3	0
21224	Studies of Carboxyl-Functionalized Multi-Wall Carbon Nanotubes and Mechanical Properties of its MWCNTs-OPC Cement Composites. Advanced Materials Research, 0, 774-776, 499-502.	0.3	0
21225	Carbon Nanotube Composites for Electronic Interconnect Applications. , 2013, , .		4
21226	Properties of the carbon-palladium nanocomposites studied by Raman spectroscopy method. Proceedings of SPIE, 2013, , .	0.8	1
21227	Preparation and Photoelectrocatalytic Performance of TiO_2 Nano-Tubes Arrays Electrode. Advanced Materials Research, 2013, 661, 11-15.	0.3	2
21228	Porous CNTs/chitosan composite with lamellar structure prepared by ice-templating. Proceedings of SPIE, 2013, , .	0.8	3
21229	Unique electrical properties of nanostructured diamond cones. Chinese Physics B, 2013, 22, 098107.	1.4	7
21230	Liquid-Free Approach for Alignment of CNTs Bundles via Electrostatic Field. Advanced Materials Research, 0, 785-786, 463-466.	0.3	0
21231	Synthesis and Characterization of Carbon Nanotubes from Palm Oil by Aerosol-Assisted CVD. Advanced Materials Research, 0, 667, 218-223.	0.3	1
21232	Homotopy Perturbation Method for Analysis Nonlinear Vibration of Double-Walled Carbon Nanotubes. Advanced Materials Research, 2013, 702, 186-190.	0.3	0

#	ARTICLE	IF	CITATIONS
21233	A valley-filtering switch based on the Stone-Wales defect array in carbon nanotube. Europhysics Letters, 2013, 103, 47008.	2.0	1
21234	The Effect of Intraband Transitions on the Optical Spectra of Metallic Carbon Nanotubes. Chinese Physics Letters, 2013, 30, 077301.	3.3	22
21235	A facile method to align carbon nanotubes on polymeric membrane substrate. Scientific Reports, 2013, 3, 3480.	3.3	22
21237	Molecular Dynamics Simulations for Release of Stuck Carbon Nanotube Cantilever Beam toward Nanorelay Application. Japanese Journal of Applied Physics, 2013, 52, 04CN06.	1.5	5
21238	Electronic Properties of Capped Carbon Nanotubes under an Electric Field: Inhomogeneous Electric-Field Screening Induced by Bond Alternation. Japanese Journal of Applied Physics, 2013, 52, 06GD04.	1.5	4
21239	Nanowelding Technology Study Based on Simulation Methods. Applied Mechanics and Materials, 2013, 275-277, 2272-2275.	0.2	0
21240	A Study on the Synthesis, Characterization and Properties of Polyaniline Nanofibers Using Ferric Chloride as both Oxidant and Dopant. Advanced Materials Research, 2013, 807-809, 2757-2761.	0.3	0
21241	Transverse vibration analyses of cantilevered boron nitride nanocones. Micro and Nano Letters, 2013, 8, 899-902.	1.3	1
21242	Room-Temperature Fabrication of Au- and Ag-Incorporated Carbon Nanofibers by Ion Irradiation and Their Field Emission Properties. Japanese Journal of Applied Physics, 2013, 52, 11NL01.	1.5	9
21243	The Effect of Synthesis Temperature on the Growth of Carbon Nanotubes from Waste Chicken Fat Precursor. Advanced Materials Research, 2013, 832, 798-803.	0.3	7
21244	Structural Properties of Chemically Functionalized Carbon Nanotube Thin Films. Materials, 2013, 6, 2360-2371.	2.9	22
21245	Plasma Treatment as a Way of Increasing the Selectivity of Carbon Nanotube Networks for Organic Vapor Sensing Elements. Key Engineering Materials, 2013, 543, 410-413.	0.4	0
21246	Wettability of Carbon Nanotubes with Molten Sn-Ag-Cu Solder Alloy. Applied Mechanics and Materials, 0, 372, 136-142.	0.2	4
21247	Carbon Nanotubes Prepared by Thermal-CVD of from Palm Oil. Advanced Materials Research, 2013, 667, 530-533.	0.3	0
21248	Green Synthesis of Poly(ethylene Glycol) Modified Multi-Walled Carbon Nanotubes and their Dispersibility. Applied Mechanics and Materials, 0, 320, 456-459.	0.2	0
21249	Variability and Reliability of Single-Walled Carbon Nanotube Field Effect Transistors. Electronics (Switzerland), 2013, 2, 332-367.	3.1	14
21250	Photo-induced absorption in the pump probe spectroscopy of single-walled carbon nanotubes. Chinese Physics B, 2013, 22, 077803.	1.4	3
21251	Field Emissions from Organic Nanorods Armored with Metal Nanoparticles. Japanese Journal of Applied Physics, 2013, 52, 120203.	1.5	2

#	ARTICLE	IF	CITATIONS
21252	CNTs/TiO ₂ Composites. Carbon Nanostructures, 2013, , 97-111.	0.1	2
21253	Growth of vertically aligned multiwall carbon nanotubes columns. Journal of Physics: Conference Series, 2013, 439, 012008.	0.4	7
21254	Evaluation of Residual Iron in Carbon Nanotubes Purified by Air and Acid Treatments. Advanced Materials Research, 0, 652-654, 175-177.	0.3	0
21255	Removal of Humic Acids in Water by Carbon Nanotubes. Advanced Materials Research, 2013, 747, 221-224.	0.3	2
21256	Wave-Packet Dynamics Simulation on Electronic Transport in Carbon Nanotubes with Randomly Distributed Impurities. Japanese Journal of Applied Physics, 2013, 52, 06GD07.	1.5	3
21257	The Hydrothermal Synthesis of BaTiO ₃ Nanotubes Arrays with Good Electrical Property. Advanced Materials Research, 0, 873, 158-163.	0.3	0
21258	Polymer Nanocomposites Containing Functionalised Multiwalled Carbon NanoTubes: a Particular Attention to Polyolefin Based Materials. , 0, , .		9
21259	The Structural Properties of Carbon Nanotubes Grown on Porous Silicon-Based Materials by Thermal Chemical Vapor Deposition Method. Advanced Materials Research, 2013, 686, 28-32.	0.3	1
21260	Introduction of Micro-Nanorobotic Manipulation Systems. , 2013, , 1-44.		1
21261	Ferroferric Oxide Magnetic Nanoparticles Carbon Nanotubes Nanocomposite-Based Electrochemical Sensor Applied for Detection of Bisphenol A. Advanced Materials Research, 0, 663, 297-302.	0.3	4
21262	Fabrication of micro pillars using multiwall carbon nanotubes/polymer nanocomposites. Journal of Micromechanics and Microengineering, 2013, 23, 055012.	2.6	7
21263	Formation of Carbon Nanotube/n-Type 6H-SiC Heterojunction by Surface Decomposition of SiC and Its Electric Properties. Japanese Journal of Applied Physics, 2013, 52, 06GD01.	1.5	0
21264	Hydrogen Adsorption in Capped Armchair Edge (5,5) Carbon Nanotubes. Japanese Journal of Applied Physics, 2013, 52, 125105.	1.5	0
21265	Growth of Bamboo-Shaped Carbon Nanostructures on Carbon Fibre by Chemical Vapor Deposition. Applied Mechanics and Materials, 0, 465-466, 927-931.	0.2	3
21266	Electro-thermo-mechanical nonlinear buckling of Pasternak coupled DWBNNs based on nonlocal piezoelectricity theory. Turkish Journal of Engineering and Environmental Sciences, 2013, 37, 231-246.	0.1	2
21267	The Preparation of Carbon Nanotube/Sodium Silicate Composite Film. Applied Mechanics and Materials, 0, 333-335, 1828-1831.	0.2	1
21268	Thermal Performance Analysis of the Molecular Linkers in the Carbon Nanotube Composites under Stress Conditions. Advanced Materials Research, 0, 699, 179-183.	0.3	0
21269	Dynamic Buckling of Single-Walled Carbon Nanotubes under Axial Impact Loading. Applied Mechanics and Materials, 0, 444-445, 178-182.	0.2	1

#	ARTICLE	IF	CITATIONS
21270	Enhanced Performance of Symmetric Double Layer Capacitor by Flexible Binder-free SWCNT Membrane Electrodes. Materials Research Society Symposia Proceedings, 2013, 1505, 1.	0.1	1
21271	Future Prospect of Nanoelectronic Devices. Lecture Notes in Electrical Engineering, 2013, , 171-279.	0.4	1
21272	Malaysian Palm Oil For Carbon Nanotubes Preparation. Advanced Materials Research, 0, 667, 343-348.	0.3	0
21273	Carbon nanotubes: a promise for nerve tissue engineering?. Nanotechnology Reviews, 2013, 2, 47-57.	5.8	36
21274	Aqueous Solution Surface Chemistry of Carbon Nanotubes. , 2013, , .		2
21275	Synthesis and Characterization of Functionalized Multi-Walled Carbon Nanotubes. Applied Mechanics and Materials, 2013, 307, 377-380.	0.2	2
21276	Gold Nanotubes from Organic Scaffolds for Biomedical Applications. Materials Science Forum, 0, 754, 109-119.	0.3	0
21277	Preparation of Hydroxylated Carbon Nanotubes/Magnetic Iron Oxide Compound Particles. Advanced Materials Research, 0, 791-793, 423-426.	0.3	0
21278	A Thermal Model for Carbon Nanotube Interconnects. Nanomaterials, 2013, 3, 229-241.	4.1	22
21279	Selected Advances in Nanoelectronic Devices. Lecture Notes in Electrical Engineering, 2013, , .	0.4	5
21280	Preparation and Applications of Hydrophilic Nano-Carbon Particles. Advanced Materials Research, 0, 832, 767-772.	0.3	5
21281	Fabrication, Purification and Characterization of Carbon Nanotubes: Arc-Discharge in Liquid Media (ADLM). , 0, , .		3
21282	Fabrication and Electrochemical Capacitive Behaviors of a Carbon Nanotube-Coated Polymer Monolith. Electrochemistry, 2013, 81, 789-791.	1.4	3
21283	One-dimensional Tiâ€O based nanotubes as ion exchanger: synthesis, characterization and application in radiochemical separation of carrier-free ¹³⁷ mBa from ¹³⁷ Cs. Radiochimica Acta, 2013, 101, 33-36.	1.2	7
21284	Optimization of the Production of Aligned CNTs Array as the Gas Sensing Element. Materials Science Forum, 2013, 756, 156-163.	0.3	6
21285	The Effect of HNO₃ on Functionalization of CNTs. Applied Mechanics and Materials, 0, 457-458, 280-283.	0.2	1
21286	Thermoplastic Nanocomposites with Carbon Nanotubes. Engineering Materials, 2013, , 19-60.	0.6	25
21287	Characterization and Investigation of Polyamide 6 Nanotubes Prepared by a Novel Solution Wetting Method. Advanced Materials Research, 2013, 709, 66-69.	0.3	0

#	ARTICLE	IF	CITATIONS
21288	First Principle Study of Hydrogen Storage. Applied Mechanics and Materials, 0, 275-277, 2363-2366.	0.2	0
21289	Free Vibration Analysis of Carbon Nanotubes by Timoshenko Beam Model and Thin-Plate Spline Radial Basis Function. Applied Mechanics and Materials, 0, 365-366, 1207-1210.	0.2	0
21290	Improvement of Piezoelectric Property of Poly(Vinylidene Fluoride) Nanocomposites Using Multi-Walled Carbon Nanotubes. Applied Mechanics and Materials, 0, 392, 57-61.	0.2	0
21291	Fabrication of Co-W Alloy/Multiwalled Carbon Nanotube Composite Films by Electrodeposition for Improved Frictional Properties. ECS Journal of Solid State Science and Technology, 2013, 2, M39-M43.	1.8	10
21292	Adhesive slip process between a carbon nanotube and a substrate. Journal Physics D: Applied Physics, 2013, 46, 175305.	2.8	1
21293	Phosphorylated silica nanotubes: preparation and characterization. Nanotechnology, 2013, 24, 315701.	2.6	13
21294	Fabrication and field emission characteristics of a novel planar-gate electron source with patterned carbon nanotubes for backlight units. Journal of Semiconductors, 2013, 34, 064005.	3.7	1
21295	Fabrication and properties of high performance polyimide nanofibrous films by electrospinning. , 2013, , .		2
21296	Fabrication, Modification, and Emerging Applications of TiO ₂ Nanotube Arrays by Electrochemical Synthesis: A Review. International Journal of Photoenergy, 2013, 2013, 1-19.	2.5	36
21297	Tumor photothermolysis: using carbon nanomaterials for cancer therapy. European Journal of Nanomedicine, 2013, 5, .	0.6	6
21298	Scattering properties of carbon nanotubes. COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering, 2013, 32, 1793-1808.	0.9	2
21299	Density Functional Study of the Adsorption of Methanol and its Derivatives on Boron Nitride Nanotubes. Adsorption Science and Technology, 2013, 31, 767-776.	3.2	4
21300	Ab InitioDensity Functional Theory Investigation of the Interaction between Carbon Nanotubes and Water Molecules during Water Desalination Process. Journal of Chemistry, 2013, 2013, 1-6.	1.9	3
21301	Carbon Nanotubes in Electronics: Background and Discussion for Waste-Handling Strategies. Challenges, 2013, 4, 75-85.	1.7	13
21302	First-Principles Study on Chemical Bonding Characteristics between Cr and Single-Walled Silicon Nanotubes. Advanced Materials Research, 0, 798-799, 30-34.	0.3	0
21303	Development of the Strain Sensors Based on CNT/Epoxy Using Screen Printing. Key Engineering Materials, 2013, 588, 84-90.	0.4	3
21304	Morphology and Capacitance Properties of Nanostructured Composites of Carbon Nanostructures and C ₆₀ -Pd Nanoparticles. ECS Journal of Solid State Science and Technology, 2013, 2, M3151-M3155.	1.8	8
21305	Carbon Nanotubes from Unconventional Resources: Part A: Entangled Multi-Walled Carbon Nanotubes and Part B: Vertically-Aligned Carbon Nanotubes. , 0, , .		1

#	ARTICLE	IF	CITATIONS
21306	Two-week Toxicity of Multi-walled Carbon Nanotubes by Whole-body Inhalation Exposure in Rats. Journal of Toxicologic Pathology, 2013, 26, 131-140.	0.7	42
21307	A methodology for constitutive relationships estimation for SWNT reinforced composites. Engineering Computations, 2013, 30, 409-447.	1.4	0
21308	Interfacial Strength Between Single Wall Carbon Nanotubes and Copper Material: Molecular Dynamics Simulation. Journal of Nanotechnology in Engineering and Medicine, 2013, 4, .	0.8	12
21309	Recent advances in the electrochemistry and spectroelectrochemistry of membrane proteins. Biological Chemistry, 2013, 394, 593-609.	2.5	28
21310	Fast Disinfection of <i>Escherichia coli</i> Bacteria Using Carbon Nanotubes Interaction with Microwave Radiation. Bioinorganic Chemistry and Applications, 2013, 2013, 1-9.	4.1	28
21311	Synthesis of Double-Walled Carbon Nanotubes by Floating Chemical Vapor Deposition Method in a Reactor with Varied Diameter. Advanced Materials Research, 0, 662, 3-6.	0.3	0
21312	Effect of Nickel Catalyst on Carbon Nanotubes by Using Palm Oil as a Starting Material. Advanced Materials Research, 0, 667, 354-358.	0.3	0
21313	Surface Morphology, Structural, and Bonding Characteristic of Carbon Nanotubes for <i>In Vitro</i> Culture Applications. Advanced Materials Research, 2013, 667, 464-467.	0.3	0
21314	Effects of Aspect Ratio of Carbon Nanotubes on Crystallization Behavior of Polylactide Composites. Advanced Materials Research, 0, 716, 25-29.	0.3	0
21315	A Simple Route for the Synthesis of Monocrystalline Rutile TiO ₂ Nanorods. Advanced Materials Research, 2013, 721, 206-209.	0.3	0
21316	Field Electron Emission from Electrophoretic Deposited MWCNT/ZnO Hybrid Film. Advanced Materials Research, 2013, 832, 183-188.	0.3	1
21317	Energetics and Electronic Structures of C ₆₀ Included Within [n]Cyclacene Molecules. Journal of the Physical Society of Japan, 2013, 82, 094717.	1.6	8
21318	Carbon-Based Nanomaterials. Nanostructure Science and Technology, 2013, , 115-144.	0.1	1
21319	VLSI Design and Test. Communications in Computer and Information Science, 2013, , .	0.5	0
21320	Flame pyrolysis synthesis of self-oriented carbon nanotubes. AIP Advances, 2013, 3, .	1.3	9
21321	Topologically induced confinement of collective modes in multilayer graphene nanocones measured by momentum-resolved STEM-VEELS. Physical Review B, 2013, 88, .	3.2	12
21322	Nanocarbon based ionic actuators—a review. Smart Materials and Structures, 2013, 22, 104022.	3.5	108
21323	Coupling of photomechanical and electromechanical actuations in carbon nanotubes. Nanotechnology, 2013, 24, 105501.	2.6	9

#	ARTICLE	IF	CITATIONS
21324	A GENERAL ANISOTROPIC ETCHING STRATEGY FOR THE FABRICATION OF TUBE-LIKE OR MESOPOROUS SINGLE CRYSTAL TiO ₂ . Functional Materials Letters, 2013, 06, 1350051.	1.2	0
21325	A comparative studies on dispersion of multiwall carbon nanotubes in poly (ethylene oxide) matrix using dicarboxylic acid and amino acid based modifiers. Polymer Composites, 2013, 34, 1003-1011.	4.6	8
21326	Carbon nanotubes: Challenges and opportunities. , 2013, , .		3
21327	An ABCD parameter-based modeling and analysis of crosstalk induced effects in single-walled carbon nanotube bundle interconnects. , 2013, , .		7
21328	Finite-gap twists of carbon nanotubes and an emergent hidden supersymmetry. Physical Review D, 2013, 87, .	4.7	7
21329	Synthesis of glass fiber&multiwall carbon nanotube hybrid structures for high&performance conductive composites. Polymer Composites, 2013, 34, 1313-1320.	4.6	11
21330	In Vitro Biocompatibility of Multiwalled Carbon Nanotubes with Sensory Neurons. Advanced Healthcare Materials, 2013, 2, 728-735.	7.6	24
21331	Structure and properties of aeronautical composites using carbon nanotubes/epoxy dispersion as nanocomposite matrix. Polymer Composites, 2013, 34, 1690-1697.	4.6	6
21332	Multiplug filtration clean&up with multiwalled carbon nanotubes in the analysis of pesticide residues using <sc>LC</sc>"<sc>ESI</sc>"<sc>MS</sc>/<sc>MS</sc>. Journal of Separation Science, 2013, 36, 3379-3386.	2.5	43
21333	PRE-CONCENTRATION AND DETERMINATION OF Î ² -BLOCKERS USING CARBON NANOTUBE-ASSISTED PSEUDO-STIRBAR HOLLOW FIBER SOLID-/LIQUID-PHASE MICROEXTRACTION AND HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY WITH FLUORESCENCE DETECTION. Journal of Liquid Chromatography and Related Technologies, 2013, 36, 750-769.	1.0	13
21334	Selection rules and linear absorption spectra of carbon nanotubes in axial magnetic fields. Physical Review B, 2013, 88, .	3.2	7
21335	Experimental study on the mechanical reliability of carbon nanotubes. , 2013, , .		1
21336	Laser desorption/ionization mass spectrometric analysis of folic acid, vancomycin and Triton^{Â®} X&100 on variously functionalized carbon nanotubes. Rapid Communications in Mass Spectrometry, 2013, 27, 2631-2638.	1.5	7
21337	Study of surfactant modified MWNT/polyimide composites by in-situ polymerization. , 2013, , .		0
21338	Electrochemical Determination of Phenylethanolamine A Based on Nafion/MWCNTs/AuNPs Modified Carbon Electrode. Chinese Journal of Chemistry, 2013, 31, 221-229.	4.9	10
21339	Synthesis of carbon based nanomaterials for tissue engineering applications. , 2013, , 119-157.		5
21340	The effects of three-dimensional shaping of vertically aligned carbon-nanotube contacts for micro-electro-mechanical switches. Applied Physics Letters, 2013, 103, 231606.	3.3	8
21341	Fluid flow in charged nanotubes. Theoretical and Applied Mechanics Letters, 2013, 3, 032008.	2.8	2

#	ARTICLE	IF	CITATIONS
21342	Significantly enhanced thermoelectric properties of ultralong double-walled carbon nanotube bundle. Applied Physics Letters, 2013, 102, 053105.	3.3	27
21343	Electron temperature dependence of the electron-phonon coupling strength in double-wall carbon nanotubes. Applied Physics Letters, 2013, 103, 043110.	3.3	8
21344	Electronic Response of Nano-sized Cages of ZnO and MgO to Presence of Nitric Oxide. Chinese Journal of Chemical Physics, 2013, 26, 231-236.	1.3	27
21345	The effect of temperature on the resonance of the interband transition energy in single-walled carbon nanotubes with excitation laser energy by Raman spectroscopy. Applied Physics Letters, 2013, 103, 231902.	3.3	0
21346	Release and nonvolatile operation of carbon nanotube nanorelay by resonant vibration. Applied Physics Letters, 2013, 103, 203504.	3.3	5
21347	The heat capacity of nitrogen chain in grooves of single-walled carbon nanotube bundles. Low Temperature Physics, 2013, 39, 441-445.	0.6	18
21348	Polymer Nanocomposites with Thermoplastic Matrices—Processing and Tribology. Journal of Macromolecular Science - Physics, 2013, 52, 1784-1810.	1.0	9
21349	Finite length and solvent analysis effects on the squash mode of single walled carbon nanotubes. Applied Physics Letters, 2013, 103, 153109.	3.3	5
21350	Reliability of carbon nanotube bumps for chip on film application. , 2013, , .		0
21352	Effects of doping, Stone-Wales and vacancy defects on thermal conductivity of single-wall carbon nanotubes. Chinese Physics B, 2013, 22, 016501.	1.4	32
21353	Field Emission Model of CNT Based Ionization Gas Sensor. Advanced Materials Research, 0, 667, 135-143.	0.3	5
21354	Simulation of Nano Sensor Based on Carbon Nanostructures in Order to Form Multifunctional Delivery Platforms. Advanced Materials Research, 0, 832, 778-782.	0.3	11
21355	Multifunctional Carbon Nanotubes (CNTs): A New Dimension in Environmental Remediation. Advanced Materials Research, 0, 832, 328-332.	0.3	21
21356	Defects in Single Walled Carbon Nanotubes (SWCNT). Key Engineering Materials, 0, 542, 7-10.	0.4	1
21357	A Brief Review on Research Development on Dynamic Behaviors of Carbon Nanotubes. Advanced Materials Research, 0, 667, 30-34.	0.3	1
21359	Nickel-cobalt oxide coated CNTs as additives of activated carbon electrode for high-performance supercapacitors. , 2013, , .		0
21360	Synthesis of multi-walled carbon nanotube/silver nanocomposite powders by chemical reduction in aqueous solution. Journal of Experimental Nanoscience, 2013, 8, 742-751.	2.4	17
21361	Theoretical Characterization of Chiral Carbon Nanotube Encapsulating Ellipsoidal C70. Chinese Journal of Chemical Physics, 2013, 26, 780-783.	1.3	0

#	ARTICLE	IF	CITATIONS
21362	Pd@Co/MWCNTs Catalyst for Electrooxidation of Hydrazine in Alkaline Solution. Fuel Cells, 2013, 13, 903-909.	2.4	6
21363	Electrophoretic Deposition of Foam Ni/CNT Composites and their Electromagnetic Interference Shielding Performance. Applied Mechanics and Materials, 0, 461, 436-444.	0.2	3
21364	Development and characterization of dexamethasone mesylate anchored on multi walled carbon nanotubes. Journal of Drug Targeting, 2013, 21, 67-76.	4.4	56
21365	Graphene-like Structures Containing Pentagonal Carbon-rings: Theoretical and Practical Perspectives. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 125-128.	2.1	2
21366	Morphological, structural and phase characteristics of conventionally sintered MWCNTs/Cu composite. , 2013, , .		0
21367	Carbon nanotubes from enhanced direct injection pyrolytic synthesis as templates for long linear carbon chain formation. Physica Status Solidi (B): Basic Research, 2013, 250, 2611-2615.	1.5	19
21368	Functionalization of Carbon Nanoparticles Modulates Inflammatory Cell Recruitment and NLRP3 Inflammasome Activation. Small, 2013, 9, 4194-4206.	10.0	125
21369	Growth of single-walled Ag and Cu nanotubes confined in carbon nanotubes, studied by molecular dynamics simulations. Journal of Applied Physics, 2013, 113, 234303.	2.5	8
21370	Quasi-solid state uniaxial and biaxial deformation of PET/MWCNT composites: structural evolution, electrical and mechanical properties. RSC Advances, 2013, 3, 5162.	3.6	39
21371	Electronic and structural properties of carbon nanotubes modulated by external strain. Journal of Applied Physics, 2013, 113, .	2.5	6
21372	Evaluation of thermal conductivity of single carbon nanotube in liquid and air using photofabricated fluorescence microsensors. , 2013, , .		0
21373	Finding a Cheaper Carbon Source: High-Quality, Single-Walled Nanotubes from Asphalt and Petroleum Coke. IEEE Nanotechnology Magazine, 2013, 7, 15-18.	1.3	2
21374	Modeling of small band-gap CNT for designing of faster switching CNTFET. , 2013, , .		4
21375	A convenient route to disperse pristine carbon nanotubes in polystyrene with no damage of nanotube electronic structure. Journal of Experimental Nanoscience, 2013, 8, 573-578.	2.4	0
21376	Effect of vacancy defects on thermal conductivity of single-walled carbon nanotubes. , 2013, , .		0
21377	Doping the armchair single-walled carbon nanotubes by silicon substitutions: A density functional theory study. , 2013, , .		1
21378	Synthesis of iron oxide coated nickel oxide nanoparticles and its characterization. , 2013, , .		1
21379	Buckyballs. Topics in Current Chemistry, 2013, 350, 1-64.	4.0	12

#	ARTICLE	IF	CITATIONS
21380	Development of a Carbon Nanotube Modified Ionic Liquid Electrode for the Voltammetric Determination of Methyldopa Levels in Urine. <i>Electroanalysis</i> , 2013, 25, 2193-2199.	2.9	7
21381	Density Functional Theory Studying for Nicotine Adsorption on Nanotube to Predict Thermodynamic Properties. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 757-764.	2.1	0
21382	Synthesis and characterization of vinyl- functionalized multiwalled carbon nanotubes based molecular imprinted polymer for the separation of chlorpyrifos from aqueous solutions. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1847-1858.	3.2	36
21383	Hydrothermal Synthesis of Cu@C Composite Spheres by a One-Step Method and Their Use as Sacrificial Templates to Synthesize a CuO@SiO ₂ Core-Shell Structure. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4988-4997.	2.0	11
21384	Mechanical behavior investigation of single-walled carbon nanotubes with one vacancy. , 2013, , .		0
21385	A Review on Nanomaterial Dispersion, Microstructure, and Mechanical Properties of Carbon Nanotube and Nanofiber Reinforced Cementitious Composites. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-19.	2.7	283
21386	Ag/CNT-catalyzed hydroamination of activated alkynes with aromatic amines. <i>Applied Organometallic Chemistry</i> , 2013, 27, 206-208.	3.5	14
21387	Computational studies of catalyst-free single walled carbon nanotube growth. <i>Journal of Chemical Physics</i> , 2013, 139, 054308.	3.0	1
21389	Evaluation of thermal conductivity of single carbon nanotubes in air and liquid using a fluorescence temperature sensor. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	7
21390	Dynamics of nanoconfined water under pressure. <i>Physical Review E</i> , 2013, 88, 022316.	2.1	7
21391	Kondo-like origin of resistivity anisotropy in graphite. <i>Physical Review B</i> , 2013, 87, .	3.2	13
21392	Tuning the oscillation of nested carbon nanotubes by insertion of an additional inner tube. <i>Journal of Applied Physics</i> , 2013, 114, 214302.	2.5	7
21393	Synthesis of cyclo-olefin copolymer latexes and their carbon nanotube composite nanoparticles. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4584-4591.	2.3	16
21394	Acoustic properties of carbon nanotube electrodes in BAW resonators. , 2013, , .		2
21395	Hartree simulations of coupled quantum Hall edge states in corner-overgrown heterostructures. <i>Physical Review B</i> , 2013, 87, .	3.2	3
21396	Optimization of Chemical Vapor Deposition Process for Reducing the Fiber Diameter and Number of Graphene Layers in Multi Walled Carbon Nanocoils. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 11NL04.	1.5	4
21397	An enhanced continuum modeling of the ideal strength and the angle of twist in tensile behavior of single-walled carbon nanotubes. <i>Journal of Applied Physics</i> , 2013, 114, .	2.5	7
21398	Multimodal nonlinear imaging of suspended carbon nanotubes using circular polarizations. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
21399	A simple microwave plasma-enhanced chemical vapour deposition system for the production of carbon nanotubes. , 2013, , .		0
21401	Deposition of palladium on suspended and locally grown carbon nanotubes using thermal evaporation. , 2013, , .		4
21402	Resistive gas sensors fabricated by wafer-scale, in-situ integration of horizontal carbon nanotube membranes. , 2013, , .		1
21403	An 8.8 GHz resonator based on multi-walled aligned carbon nanotube array. , 2013, , .		0
21404	Dimensional Analysis and Mechanical Properties Characterization of Carbon Nanofibers under Subzero Temperatures. IEEE Nanotechnology Magazine, 2013, 12, 810-816.	2.0	1
21405	In situ nanomechanical measurement of Cu nanowires. , 2013, , .		1
21406	Humidity sensitivity of thin films based dispersed multi-walled carbon nanotubes. , 2013, , .		2
21407	Template-Based Electrodeposition Growth Mechanism of Metal Nanotubes. Journal of the Electrochemical Society, 2013, 160, D41-D45.	2.9	26
21408	Growth of carbon nanostructures on p-, i- and n-Si substrates by electrochemical route. Journal Physics D: Applied Physics, 2013, 46, 355301.	2.8	4
21409	Modeling Composites of Multi-Walled Carbon Nanotubes in Polycarbonate. International Journal for Computational Methods in Engineering Science and Mechanics, 2013, 14, 542-551.	2.1	12
21410	Equilibrium Configurations of Lipid Bilayer Membranes and Carbon Nanostructures. Communications in Theoretical Physics, 2013, 59, 213-228.	2.5	10
21411	VOLTAMMETRIC DETERMINATION OF ACETOPHOS IN WATER SAMPLES AT CNTPE. International Journal of Nanoscience, 2013, 12, 1350018.	0.7	0
21412	Small Scale Effect on Nonlinear Vibration of Fluid-Loaded Double-Walled Carbon Nanotubes with Uncertainty. Applied Mechanics and Materials, 0, 479-480, 121-125.	0.2	0
21413	Carbon nanotubes/polyamide 6.6 nanostructured composites crystallization kinetic study. Journal of Thermoplastic Composite Materials, 2013, 26, 893-911.	4.2	7
21414	Application of melt-blown technology in the manufacturing of a solvent vapor-sensitive, non-woven fabric composed of poly(lactic acid) loaded with multi-walled carbon nanotubes. Textile Research Journal, 2013, 83, 859-870.	2.2	21
21415	CARBON PRECURSOR DEPENDENCE OF CARBON NANOFIBERS SYNTHESIZED BY CATALYST-FREE ULTRASONIC SPRAY-PYROLYSIS METHOD. Modern Physics Letters B, 2013, 27, 1350213.	1.9	0
21416	SYNTHESIS OF ALIGNED COPPER OXIDE NANOWIRES ON FLUORINE-DOPED TIN OXIDE GLASS SUBSTRATE. Modern Physics Letters B, 2013, 27, 1350227.	1.9	1
21417	High Sensitive Sensor Based on Carbon Nanotube Electrode for Determination of Lanthanum in the Presence of Calcon Carboxylic Acid. Analytical Letters, 2013, 46, 156-170.	1.8	4

#	ARTICLE	IF	CITATIONS
21418	PREPARATION, CHARACTERIZATION AND LUMINESCENCE PROPERTIES OF Eu^{2+} DOPED CaAl_2O_4 NANOCONES. Modern Physics Letters B, 2013, 27, 1341018.	1.9	10
21419	Theoretical Study of Adsorption CO Molecule on Palladium-Doped Boron Nitride Nanotubes. Advanced Materials Research, 0, 662, 233-238.	0.3	5
21420	FIRST-PRINCIPLES STUDY ON SiC/BNNT CORE/SHELL NANOCABLE. Modern Physics Letters B, 2013, 27, 1350169.	1.9	0
21421	Anomalous Electric-Field Screening at the Edge Atomic Sites of Finite-Length Zigzag Carbon Nanotubes. Applied Physics Express, 2013, 6, 045101.	2.4	10
21422	THERMAL CONDUCTIVITY OF CARBON NANOTUBE/NATURAL RUBBER COMPOSITE FROM MOLECULAR DYNAMICS SIMULATIONS. Journal of Theoretical and Computational Chemistry, 2013, 12, 1350011.	1.8	10
21423	INTERFACES BETWEEN CARBON NANOTUBES AND NICKEL NANOPARTICLES IN CARBON NANOTUBES. Functional Materials Letters, 2013, 06, 1350056.	1.2	2
21424	Synthesis of carbon and carbon-nitrogen nanotubes using green precursor: jatropha-derived biodiesel. Journal of Experimental Nanoscience, 2013, 8, 606-620.	2.4	21
21425	Controllable Fabrication and Characterization of Si-coated Multiwalled Carbon Nanotubes. Integrated Ferroelectrics, 2013, 146, 22-28.	0.7	2
21426	Mussel inspired modification of carbon nanotubes using RAFT derived stimuli-responsive polymers. RSC Advances, 2013, 3, 21817.	3.6	67
21427	Disposable Immunosensor for Escherichia Coli O157:H7 Based on a Multi-Walled Carbon Nanotube-Sodium Alginate Nanocomposite Film Modified Screen-Printed Carbon Electrode. Analytical Letters, 2013, 46, 2690-2704.	1.8	5
21428	Microstructures and photovoltaic properties of C_{60} -based solar cells with copper oxides, CuInS_2 , phthalocyanines, porphyrin, PVK, nanodiamond, germanium and exciton diffusion blocking layers. Materials Technology, 2013, 28, 21-39.	3.0	52
21429	Novel method of dispersion of multiwalled carbon nanotubes in a flexible epoxy matrix. Journal of Applied Polymer Science, 2013, 130, 2610-2618.	2.6	10
21430	Nanomechanical Characterization of Hybrid Multiwall Carbon Nanotube and Fumed Silica Epoxy Nanocomposites. Polymer-Plastics Technology and Engineering, 2013, 52, 1054-1062.	1.9	36
21431	Mechanism for Codeposition of Multiwalled Carbon Nanotubes with Copper from Acid Copper Sulfate Bath. Journal of the Electrochemical Society, 2013, 160, D380-D385.	2.9	16
21433	Carbon nanotube and carbon nanofiber composite films grown on different graphite substrate for capacitive deionization. Desalination and Water Treatment, 2013, 51, 3988-3994.	1.0	19
21434	Non-metallic nanomaterials in cancer theranostics: a review of silica- and carbon-based drug delivery systems. Science and Technology of Advanced Materials, 2013, 14, 044407.	6.1	66
21435	Chiral Poly(Amide-Imide)/Carbon Nanotube Bionanocomposites Containing Hydroxyl Pendant Groups and L-Phenylalanine Amino Acid: Synthesis, Preparation of Thin Films, and Thermomechanical Behavior. Soft Materials, 2013, 11, 494-502.	1.7	14
21436	Improved piezoelectric properties of poly(vinylidene fluoride) nanocomposites containing multi-walled carbon nanotubes. Smart Materials and Structures, 2013, 22, 065011.	3.5	18

#	ARTICLE	IF	CITATIONS
21437	Experimental study on electrical properties and stability of CNT bumps in high density interconnects. , 2013, , .		1
21438	Quantum correction and phonon density of states analysis for thermal conductivity of single walled carbon nanotube with Finite Length. , 2013, , .		0
21439	(3,3)₄ Armchair Carbon Nanotube in Connection with PNP and NPN Junctions: Ab Initio and DFT-Based Studies. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 213-232.	2.1	11
21440	Thermal conductivity of water-filled single-wall carbon nanotubes. , 2013, , .		0
21441	Chapter 10. Nanoelectrochemistry in India. SPR Electrochemistry, 0, , 336-378.	0.7	5
21442	Atom Transfer Radical Polymerization of Methylmethacrylate on the Surface of Single Walled Carbon Nanotubes. Journal of Macromolecular Science - Pure and Applied Chemistry, 2013, 50, 602-606.	2.2	3
21443	Synthesis of silane functionalized sodium titanate nanotubes and their influence on thermal and mechanical properties of epoxy nanocomposite. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2284-2291.	1.8	9
21444	DIFFERENCES IN CYTOCOMPATIBILITY BETWEEN MWCNTs AND CARBOXYLIC FUNCTIONALIZED MWCNTs. Functional Materials Letters, 2013, 06, 1250053.	1.2	6
21445	Enhancing Performance and Nanomechanical Properties of Carbon Nanotube Doped P3HT:PCBM Solar Cells. ECS Journal of Solid State Science and Technology, 2013, 2, M52-M55.	1.8	8
21446	Ring windings from single-wall carbon nanotubes: A distinct element method study. Applied Physics Letters, 2013, 103, 183902.	3.3	12
21447	Large-Scale Synthesis of High Purity Carbon Nanotubes by Novel Catalytic Route. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2013, 43, 1418-1422.	0.6	4
21448	Benzoxazine resin and their nanostructured composites cure kinetic by DSC. Journal of Materials Research, 2013, 28, 3094-3099.	2.6	11
21449	A Study of Surface Modifications of Carbon Nanotubes on the Properties of Polyamide 66/Multiwalled Carbon Nanotube Composites. Journal of Nanomaterials, 2013, 2013, 1-8.	2.7	19
21450	Electrochemical Behavior and Determination of Phenylephrine at Silicate Nanotubes Modified Electrode. Journal of the Chinese Chemical Society, 2013, 60, 1181-1185.	1.4	1
21451	Long-term biopersistence of tangled oxidized carbon nanotubes inside and outside macrophages in rat subcutaneous tissue. Scientific Reports, 2013, 3, 2516.	3.3	43
21454	Surface Temperature Measurement Using a Carbon Nanotube Probe. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2013, 79, 390-398.	0.2	0
21455	Carbon-based Electrode Materials for DNA Electroanalysis. Analytical Sciences, 2013, 29, 385-392.	1.6	19
21456	Carbon nanotubes: an overview. Emerging Materials Research, 2013, 2, 299-337.	0.7	2

#	ARTICLE	IF	CITATIONS
21457	Electrical Properties of Amorphous Carbon Semiconductor Prepared Using a Naphthalene Precursor. Bulletin of the Chemical Society of Japan, 2013, 86, 45-50.	3.2	4
21458	Study on Electronic Properties of Composite Clusters toward Nanoscale Functional Advanced Materials. Bulletin of the Chemical Society of Japan, 2013, 86, 414-437.	3.2	26
21459	Carbon Materials and Their Energy Conversion and Storage Applications. , 2013, , 59-94.		2
21460	Preparation of water soluble carbon nanotubes and assessment of their biological activity in embryonic zebrafish. International Journal of Biomedical Nanoscience and Nanotechnology, 2013, 3, 38.	0.1	18
21461	Graphite Whiskers, Cones, and Polyhedral Crystals. , 2013, , 105-130.		0
21462	Fe-catalyzed growth of one-dimensional β -Si ₃ N ₄ nanostructures and their cathodoluminescence properties. Scientific Reports, 2013, 3, 3504.	3.3	60
21464	From Nanotechnology to Nanoneuroscience/Nanoneurosurgery and Nanobioelectronics. , 2013, , 1-28.		1
21467	Development of High Thermal Conductive Composites Filled with Carbon Materials. Journal of the Adhesion Society of Japan, 2013, 49, 343-348.	0.0	0
21468	Conductivity modulation of carbon nanotubes through hybridization with quantum dots and gold nanoparticles. EPJ Applied Physics, 2013, 64, 20401.	0.7	4
21469	Dimensional Analysis of Acid Etching Effects on Vertically Grown Carbon Nanofibers Using Atomic Force Microscopy. Nanomaterials and Nanotechnology, 2013, 3, 9.	3.0	2
21470	Selective Self-Excitation of Higher Vibrational Modes of Graphene Nano-Ribbons and Carbon Nanotubes Through Magnetomotive Instability. Journal of Computational and Nonlinear Dynamics, 2013, 8, .	1.2	1
21471	Characterization of Al/MWCNTs composites prepared by powder metallurgy routes. MATEC Web of Conferences, 2013, 7, 01002.	0.2	2
21472	Introduction to carbon-based nanostructures. , 0, , 1-10.		0
21473	Electronic properties of carbon-based nanostructures. , 0, , 11-90.		0
21474	Comparison of drug delivery systems: Nanotube and p- Sulphonatocalix[4]arene, by Density Functional Theory. Journal of Nanostructure in Chemistry, 2013, 3, 1.	9.1	16
21476	Growth and characterization of bamboo-like carbon nanotubes synthesized on Fe-Co-Cu catalysts prepared by high-energy ball milling. Physica Status Solidi (B): Basic Research, 2013, 250, 2544-2548.	1.5	9
21477	SYMMETRY AND CALCULATIONS OF NANOTUBES AND NANOWIRES BASED ON RUTILE AND PEROVSKITE STRUCTURES. , 2013, , .		0
21478	A New Approach to Compute Wiener Index. Journal of Computational and Theoretical Nanoscience, 2013, 10, 1515-1521.	0.4	11

#	ARTICLE	IF	CITATIONS
21479	Robust operation and performance of integrated carbon nanotubes atomic force microscopy probes. Journal of Physics: Conference Series, 2013, 417, 012072.	0.4	3
21480	DFT/NBO study of Nanotube and Calixarene with anti-cancer drug. Journal of Nanostructure in Chemistry, 2013, 3, 1.	9.1	38
21481	Structural and wetting properties of aligned carbon nanotubes films by pyrolysis of ferrocene and acetylene. Materials Research Innovations, 2013, 17, 49-52.	2.3	2
21482	Thermal management of micro hotspots in electric components with carbon nanotubes. International Journal of Nanotechnology, 2013, 10, 57.	0.2	0
21483	Probing the transient fate of C-N bonding in hydrazine-treated carbon nanotubes by synchrotron photoelectron spectroscopy. Proceedings of SPIE, 2013, , .	0.8	0
21485	Preparation and characterization of multiwalled carbon nanotube/WO ₃ composite materials. Physica Status Solidi (B): Basic Research, 2013, 250, 2554-2558.	1.5	2
21486	Synthesis of multi-walled carbon nanotubes and their application in resin based nanocomposites. Journal of Physics: Conference Series, 2013, 439, 012009.	0.4	10
21487	<i>Ab initio</i> study of dissociation reaction of ethylene molecules on Ni cluster. Journal of Physics: Conference Series, 2013, 454, 012022.	0.4	3
21489	Strong Morphological Effect of Mn ₃ O ₄ Nanocrystallites on the Catalytic Activity of Mn ₃ O ₄ and Au/Mn ₃ O ₄ in Benzene Combustion. Chemistry - A European Journal, 2013, 19, 6480-6487.	3.3	92
21490	Structural properties of mirrored carbon spirals as revealed by scanning electron microscopy and micro-Raman spectroscopy. Physica Status Solidi (B): Basic Research, 2013, 250, 2737-2740.	1.5	0
21491	Structured nanocarbon on various metal foils by microwave plasma enhanced chemical vapor deposition. Journal of Physics: Conference Series, 2013, 417, 012010.	0.4	2
21492	Stable Electron Donor-Acceptor Nanohybrids by Interfacing <i>n</i> -Type TCAQ with <i>p</i> -Type Single-Walled Carbon Nanotubes. Angewandte Chemie, 2013, 125, 10406-10410.	2.0	8
21493	Design and synthesis of water-soluble photosensitive β -cyclodextrin and its application in dispersing carbon nanotubes. Journal of Applied Polymer Science, 2013, 130, 2588-2593.	2.6	4
21494	Sorting of CVD-grown single-walled carbon nanotubes by means of gel column chromatography. Physica Status Solidi (B): Basic Research, 2013, 250, 2564-2568.	1.5	6
21495	Morphology change of multi-walled carbon nanotubes with SiC coating by electron irradiation. Journal of Physics: Conference Series, 2013, 417, 012037.	0.4	4
21496	Effect of temperature and holding time on preoxidation for aligned electrospun polyacrylonitrile nanofibers. Journal of Applied Polymer Science, 2013, 130, 1158-1163.	2.6	3
21497	Numerical calculations on the field emission of carbon nanotubes. Journal of Physics: Conference Series, 2013, 418, 012007.	0.4	0
21498	Aggregation behaviour of carbon nanotubes in aqueous and physiological media and its influence on toxicity. International Journal of Biomedical Nanoscience and Nanotechnology, 2013, 3, 84.	0.1	2

#	ARTICLE	IF	CITATIONS
21499	Functionalised multi-walled carbon nanotubes for chemical vapour detection. International Journal of Nanotechnology, 2013, 10, 485.	0.2	14
21500	Surfactant Hydrogels for the Dispersion of Carbonâ€Nanotubeâ€Based Catalysts. Chemistry - A European Journal, 2013, 19, 16415-16423.	3.3	27
21501	Evaluation of the Damage Detection Characteristics of Electrical Impedance Tomography. , 2013, , .		5
21502	Size-dependent characteristics of electrostatically actuated fluid-conveying carbon nanotubes based on modified couple stress theory. Beilstein Journal of Nanotechnology, 2013, 4, 771-780.	2.8	6
21503	Diameter Controlled of Carbon Nanotubes Synthesized on Nanoporous Silicon Support. IOP Conference Series: Materials Science and Engineering, 2013, 46, 012004.	0.6	0
21504	Dispersion and Property Manipulation of Carbon Nanotubes by Self-Assemblies of Amphiphilic Molecules. , 0, , .		7
21505	Carbide-Derived Carbons. , 2013, , 319-346.		0
21506	Effect of Anisotropic Strain Field on the Electronic Conductance of Carbon Nanotubes. , 2013, , .		0
21507	External Electric Field Effect on Electrons Transport in Carbon Nanotubes. World Journal of Condensed Matter Physics, 2013, 03, 169-172.	0.2	3
21508	5 Modeling mechanical properties of nanocomposites. , 2013, , 145-182.		0
21509	Preparation and characterization of solution cast films of PET, reorganized PET and their MWNT nanocomposites. AIP Conference Proceedings, 2013, , .	0.4	4
21510	Electronic Thermal Property of Graphite. Journal of the Physical Society of Japan, 2013, 82, 074603.	1.6	3
21511	Molecular Dynamics Study on Buckling Behavior of Non-Defective and Defective Triple-Walled Carbon Nanotubes. Journal of Solid Mechanics and Materials Engineering, 2013, 7, 403-416.	0.5	3
21512	Clarification of Hysteresis Mechanism in the Indentation of the High-Densed Carbon Nanotube Film. Nippon Kikai Gakkai Ronbunshu, C Hen/Transactions of the Japan Society of Mechanical Engineers, Part C, 2013, 79, 1821-1826.	0.2	0
21513	Carbon Nanotube Rubber Composioites Playing an Active Part in Deep Harsh Environments of the Earth. Nippon Gomu Kyokaishi, 2013, 86, 353-359.	0.0	0
21514	Phonon Scattering and Electron Transport in Single Wall Carbon Nanotube. , 2013, , .		43
21515	Adsorption of Methylene Blue on Multi-Walled Carbon Nanotubes in Sodium Alginate Gel Beads. , 0, , .		3
21516	DETECTION OF CANCER BIOMARKERS WITH NANOTECHNOLOGY. American Journal of Biochemistry and Biotechnology, 2013, 9, 71-89.	0.4	15

#	ARTICLE	IF	CITATIONS
21517	The Effect of Carbon Nano- and Microfibers on Strength and Residual Cumulative Strain of Mortars Subjected to Freeze-Thaw Cycles. <i>Journal of Advanced Concrete Technology</i> , 2013, 11, 80-88.	1.8	35
21518	Collision dynamics of energetic carbon ions impinging on single-walled carbon nanotubes. <i>EPJ Applied Physics</i> , 2013, 64, 10401.	0.7	3
21519	Synthesis and Applications of Carbon Nanotubes-Supported PtRu Bimetallic Catalysts: A Mini-Review. Recent Patents on Chemical Engineering, 2013, 6, 2-7.	0.5	2
21520	Oxidation Studies of Carbon Nanotubes for Applications as X-Ray Field Emitters Using an Aberration-Corrected, Environmental TEM. <i>Microscopy and Microanalysis</i> , 2013, 19, 466-467.	0.4	0
21521	Use of Finite Element Simulation for Modeling Vertically Aligned Carbon Nanotube Arrays Based on Structural Mechanics Principles. , 2013, , .		0
21522	Functionalization of Graphene Oxide for the Production of Novel Graphene-Based Polymeric and Colloidal Materials. <i>Current Organic Chemistry</i> , 2013, 17, 956-974.	1.6	27
21523	Study of the Effect of Anode/Cathode Geometry on the Yield Rate and Quality of the MWCNTs Synthesized by Submerged Arc Discharging. , 2013, , .		3
21524	Lignin-Based Carbon/CePO ₄ Nanocomposites: Solvothermal Fabrication, Characterization, Thermal Stability, and Luminescence. <i>BioResources</i> , 2013, 8, .	1.0	5
21525	Small Scale Effect on Thermal Vibration of Single-Walled Carbon Nanotubes with Nonlocal Boundary Condition. <i>Research Journal of Applied Sciences, Engineering and Technology</i> , 2013, 5, 2729-2733.	0.1	4
21526	Functionalization of Single-Walled Carbon Nanotubes (SWNTs) with Stimuli- Responsive Dispersants. <i>Modern Chemistry & Applications</i> , 2013, 01, .	0.2	1
21527	Mild and Nondestructive Chemical Modification of Carbon Nanotubes (CNTs): Direct Friedel-Crafts Acylation Reaction. , 0, , .		2
21528	Self-Assembled Fullerene Nanostructures. <i>Journal of Oleo Science</i> , 2013, 62, 541-553.	1.4	19
21529	Study of Carbon Nanotube Based Devices Using Scanning Probe Microscope. , 2013, , .		2
21530	Analysis of Equation of State for Carbon Nanotubes. <i>Journal of Nanotechnology</i> , 2013, 2013, 1-5.	3.4	4
21531	Industrial Application of Reactivity Indices within Density Functional Theory. <i>Journal of Computer Chemistry Japan</i> , 2013, 12, 16-29.	0.1	0
21532	Preparation and characterization of nanomaterials based on bifacial carbon nanotubes and iron oxides: Application in catalysis. <i>MATEC Web of Conferences</i> , 2013, 5, 04024.	0.2	0
21533	PENGARUH KATALIS Co DAN Fe TERHADAP KARAKTERISTIK CARBON NANOTUBES DARI GAS ASETILENA DENGAN MENGGUNAKAN PROSES CATALYTIC CHEMICAL VAPOUR DEPOSITION (CCVD). <i>Reaktor</i> , 2013, 14, 234.	0.3	1
21534	Molecular Dynamics of Highly Efficient Flow at the Nanoscale. <i>Journal of the Visualization Society of Japan</i> , 2013, 33, 14-18.	0.0	0

#	ARTICLE	IF	CITATIONS
21535	A Molecular Dynamics Simulation Study of the Mechanical Properties of Carbon-Nanotube Reinforced Nylon 6 Composite. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2013, 3, 62-73.	0.4	2
21536	Adhesion to Carbon Nanotube Conductive Scaffolds Forces Action-Potential Appearance in Immature Rat Spinal Neurons. PLoS ONE, 2013, 8, e73621.	2.5	53
21537	Nanomaterials for Photohyperthermia: A Review. Current Pharmaceutical Design, 2013, 19, 6622-6634.	1.9	57
21538	Carbon Nanotubes for Energy Applications. , 0, , .		12
21539	Carbon nanotubes as a novel drug delivery system for anticancer therapy: a review. Brazilian Journal of Pharmaceutical Sciences, 2013, 49, 629-643.	1.2	90
21540	Nanomedicines as Cancer Therapeutics: Current Status. Current Cancer Drug Targets, 2013, 13, 362-378.	1.6	123
21541	Electrophoretic Deposition of Carbon Nanotubes on 3-Amino-Propyl-Triethoxysilane (APTES) Surface Functionalized Silicon Substrates. Nanomaterials, 2013, 3, 272-288.	4.1	64
21542	An In Vitro Evaluation of the Biological Effects of Carbon Nanotube-Coated Dental Zirconia. ISRN Dentistry, 2013, 2013, 1-6.	1.5	13
21543	Should Experimental Chemists Be Doing More to Help Evaluate the Toxicological Potential of Nanoparticles?. ISRN Nanomaterials, 2013, 2013, 1-5.	0.7	2
21544	Thermo-Mechanical Vibration of Short Carbon Nanotubes Embedded in Pasternak Foundation Based on Nonlocal Elasticity Theory. Shock and Vibration, 2013, 20, 821-832.	0.6	10
21545	Carbon Nanotubes Synthesis via Arc Discharge with a Yttria Catalyst. ISRN Nanomaterials, 2013, 2013, 1-7.	0.7	17
21546	Growth of Single-Walled Carbon Nanotubes by Hot-Filament Chemical Vapor Deposition at Low Temperatures Using Double-Layer Film Consisting of Nickel and Cobalt Layers as Catalyst. Hyomen Kagaku, 2013, 34, 346-351.	0.0	1
21547	System-Level Design Considerations for Carbon Nanotube Electromechanical Resonators. Journal of Sensors, 2013, 2013, 1-12.	1.1	0
21548	Cure Kinetics of Epoxy Nanocomposites Affected by MWCNTs Functionalization: A Review. Scientific World Journal, The, 2013, 2013, 1-14.	2.1	66
21549	Synthesis and Optical Characterization of Sulfonated Polyaniline/Single-Walled Carbon Nanotube/Zinc Sulphide Nanocomposite. ISRN Nanotechnology, 2013, 2013, 1-6.	1.3	5
21550	Electronic Structure of Single-Wall Silicon Nanotubes and Silicon Nanoribbons: Helical Symmetry Treatment and Effect of Dimensionality. Advances in Condensed Matter Physics, 2013, 2013, 1-16.	1.1	5
21551	Impact of Thermal Annealing under Nitrogen Ambient on Structural, Micro-Raman, and Thermogravimetric Analyses of Camphoric-CNT. Journal of Spectroscopy, 2013, 2013, 1-6.	1.3	12
21552	An Overview of Carbon Nanotubes: Synthesis, Purification and Characterization. Current Organic Chemistry, 2013, 17, 1858-1866.	1.6	4

#	ARTICLE	IF	CITATIONS
21554	Carbon Nanotubes Under Simple Tension and Torsion – Molecular/Structural Mechanics and the Finite Element Method. , 0, , .		0
21555	Carbon Nanofiber Concrete for Damage Detection of Infrastructure. , 2013, , .		13
21556	The Functionalization of Beta-Cyclodextrins on Multi Walled Carbon Nanotubes: Effects of the Dispersant and Non Aqueous Media. Current Nanoscience, 2013, 9, 93-102.	1.2	11
21557	Carbon Nanotube-Enzyme Biohybrids in a Green Hydrogen Economy. , 0, , .		1
21558	Preferred orientations of encapsulated C60molecules inside single wall carbon nanotubes. Chinese Physics B, 2013, 22, 076101.	1.4	5
21559	Selective Sensing Characteristics of Ca Doped BeO Nano-sized Tube toward H2O and NH3. Chinese Journal of Chemical Physics, 2013, 26, 612-616.	1.3	3
21560	Double-walled carbon nanotubes suspending by natural active substances (saponins and humic acids). MATEC Web of Conferences, 2013, 5, 04027.	0.2	0
21562	Improvement in Mechanical and Thermo-Mechanical Properties of Carbon fibre/Epoxy Composites Using Carboxyl Functionalized Multi-Walled Carbon Nanotubes. Polymers and Polymer Composites, 2013, 21, 495-508.	1.9	5
21564	Solubilization and Titania Nano-Coating of Carbon Nanotubes Using Titanium (IV) Tetrabutoxide. Kobunshi Ronbunshu, 2013, 70, 253-261.	0.2	0
21565	Reinforcements of Petroleum Distillation Products with Carbon Nanotubes and Vapour Grown Carbon Fibres for the Development of Carbon Nanocomposites. Advanced Composites Letters, 2013, 22, 096369351302200.	1.3	0
21566	Dye Sensitized Solar Cell Based On Polyaniline - Carbon Nanotubes Composite. ECS Meeting Abstracts, 2013, , .	0.0	0
21567	An Ab initio Study on the Convergence of Electronic Properties of SiC Nanotubes. Himalayan Physics, 2013, 3, 69-73.	0.3	0
21568	A Great Efficiency Full Adder Cell Based on Carbon Nano-Tube Technology. Research Journal of Applied Sciences, Engineering and Technology, 2013, 5, 3791-3795.	0.1	0
21569	Separation of carbon nanotubes (CNTs) by the separation method for biomolecules. Synthesiology, 2013, 6, 75-83.	0.2	1
21571	Kinetics of Growing Centimeter Long Carbon Nanotube Arrays. , 2013, , .		6
21572	Novel role of nanotechnology in medicine. International Journal of Biomedical Research, 2014, 5, 482.	0.1	4
21573	A Numerical Analysis for Predicting the Thermal Conductivity of Carbon Nanotube Reinforced Copper-Matrix Nanocomposites. MATEC Web of Conferences, 2014, 13, 04011.	0.2	1
21574	Electrochemical method for rapid synthesis of Zinc Pentacyanonitrosylferrate Nanotubes. Current Chemistry Letters, 2014, 3, 201-206.	1.6	2

#	ARTICLE	IF	CITATIONS
21575	An analytical approach to evaluate the performance of graphene and carbon nanotubes for NH ₃ gas sensor applications. Beilstein Journal of Nanotechnology, 2014, 5, 726-734.	2.8	23
21576	Short time Modification of Carboxylated Multi-wall Nanotubes with Amino uracil derivative. Oriental Journal of Chemistry, 2014, 30, 1379-1383.	0.3	2
21577	A study on the nonlinear stability of orthotropic single-layered graphene sheet based on nonlocal elasticity theory. Latin American Journal of Solids and Structures, 2014, 11, 1541-1546.	1.0	19
21578	Preparation of Chitosan Nanocomposites with a Macroporous Structure by Unidirectional Freezing and Subsequent Freeze-Drying. Marine Drugs, 2014, 12, 5619-5642.	4.6	55
21579	Experimental Study of Damage Mechanism of Carbon Nanotube as Nanocomponent of Electronic Devices Under High Current Density. Journal of Electronic Packaging, Transactions of the ASME, 2014, 136, .	1.8	1
21580	Oxygen-Carbon Nanotubes as a Chemotherapy Sensitizer for Paclitaxel in Breast Cancer Treatment. PLoS ONE, 2014, 9, e104209.	2.5	11
21582	Nanocomposite fibers. , 0, , 191-238.		0
21584	Polymer Composites Reinforced by Nanotubes as Scaffolds for Tissue Engineering. International Journal of Polymer Science, 2014, 2014, 1-14.	2.7	18
21585	Facile Route to Generate Fuel Oil via Catalytic Pyrolysis of Waste Polypropylene Bags: Towards Waste Management of $\frac{1}{4}$ Plastic Bags. Journal of Fuels, 2014, 2014, 1-10.	0.2	7
21586	Free Vibration Analysis of DWCNTs Using CDM and Rayleigh-Schmidt Based on Nonlocal Euler-Bernoulli Beam Theory. Scientific World Journal, The, 2014, 2014, 1-13.	2.1	8
21587	The Effect of DNA and Sodium Cholate Dispersed Single-Walled Carbon Nanotubes on the Green Algae Chlamydomonas reinhardtii. Journal of Nanoscience, 2014, 2014, 1-8.	2.6	4
21588	Synthesis and Optical Enhancement of Amorphous Carbon Nanotubes/Silver Nanohybrids via Chemical Route at Low Temperature. Scientific World Journal, The, 2014, 2014, 1-10.	2.1	2
21589	Doping Induced Structural Stability and Electronic Properties of GaN Nanotubes. Scientific World Journal, The, 2014, 2014, 1-8.	2.1	3
21590	On the Vibration of Single-Walled Carbon Nanocones: Molecular Mechanics Approach versus Molecular Dynamics Simulations. Shock and Vibration, 2014, 2014, 1-8.	0.6	8
21591	Effect of Nitrogen Impurity on Electronic Properties of Boron Nanotubes. Advances in Condensed Matter Physics, 2014, 2014, 1-8.	1.1	0
21592	Non-covalent and reversible functionalization of carbon nanotubes. Beilstein Journal of Nanotechnology, 2014, 5, 1675-1690.	2.8	114
21593	Enhancement of Photoelectrocatalysis Efficiency by Using Nanostructured Electrodes. , 0, , .		14
21594	Optical Properties Investigation of Alternative Fuels Containing Carbon-Based Nanostructures. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
21595	Carbon nano-onions (multi-layer fullerenes): chemistry and applications. Beilstein Journal of Nanotechnology, 2014, 5, 1980-1998.	2.8	207
21596	Noble-Metal Chalcogenide Nanotubes. Inorganics, 2014, 2, 556-564.	2.7	7
21597	Molecular level computational studies of polyethylene and polyacrylonitrile composites containing single walled carbon nanotubes: effect of carboxylic acid functionalization on nanotube-polymer interfacial properties. Frontiers in Chemistry, 2014, 2, 74.	3.6	7
21598	Growth and Properties of Carbon Microcoils and Nanocoils. Crystals, 2014, 4, 466-489.	2.2	9
21599	Electroactive nanofibers. , 0, , 166-190.		0
21600	A Brief Review on Syntheses, Structures, and Applications of Nanoscrolls. Frontiers in Materials, 2014, 1, .	2.4	31
21601	The use of Carbon Nanotubes in Medical Applications - Is It a Success Story?. Occupational Medicine & Health Affairs, 2014, 02, .	0.1	0
21602	Stealth nanotubes: strategies of shielding carbon nanotubes to evade opsonization and improve biodistribution. International Journal of Nanomedicine, 2014, 9 Suppl 1, 85.	6.7	15
21603	Smart Cellulose Fibers Coated with Carbon Nanotube Networks. Fibers, 2014, 2, 295-307.	4.0	59
21604	Carboxyl-modified single-wall carbon nanotubes improve bone tissue formation in vitro and repair in an in vivo rat model. International Journal of Nanomedicine, 2014, 9, 4277.	6.7	21
21605	Advances in NO ₂ sensing with individual single-walled carbon nanotube transistors. Beilstein Journal of Nanotechnology, 2014, 5, 2179-2191.	2.8	31
21606	Growth and characterization of CNTs/TiO ₂ heterostructures. Beilstein Journal of Nanotechnology, 2014, 5, 946-955.	2.8	25
21607	Nano-rings with a handle – Synthesis of substituted cycloparaphenylenes. Beilstein Journal of Nanotechnology, 2014, 5, 1320-1333.	2.8	43
21608	Optimization of ethanol flow rate for improved catalytic activity of Ni particles to synthesize MWCNTs using a CVD reactor. Materials Research, 2014, 17, 739-746.	1.3	8
21609	Adsorption of Bismarck Brown R Dye Onto Multiwall Carbon Nanotubes. Journal of Environmental Analytical Chemistry, 2014, 01, .	0.3	6
21610	Carbon Nanotubes: A Potential Concept for Drug Delivery Applications. Recent Patents on Drug Delivery and Formulation, 2014, 8, 12-26.	2.1	30
21611	Towards the Development of a Novel CNTs-Based Flexible Mild Heater for Art Conservation. Nanomaterials and Nanotechnology, 2014, 4, 8.	3.0	7
21612	Dynamic Patterns of Technological Convergence in Printed Electronics Technologies: Patent Citation Network. SSRN Electronic Journal, 2014, , .	0.4	3

#	ARTICLE	IF	CITATIONS
21613	Structural, electronic and magnetic properties of Fe, Co, Ni monatomic nanochains encapsulated in BeO nanotubes bundle. EPJ Applied Physics, 2014, 65, 20402.	0.7	11
21614	Influence of Physical Immobilization of dsDNA on Carbon Based Matrices of Electrochemical Sensors. Current Pharmaceutical Analysis, 2014, 10, 20-29.	0.6	15
21615	Dependence of Geometric and Spectroscopic Properties of Double-Walled Boron Nitride Nanotubes on Interwall Distance. Nanomaterials and Nanotechnology, 2014, 4, 28.	3.0	4
21616	Carbon Nanotube Reinforced Ceramic Composites: A Review. InterCeram: International Ceramic Review, 2014, 63, 286-289.	0.2	12
21617	ELECTROMAGNETIC MODELING OF COUPLED CARBON NANOTUBE DIPOLE ANTENNAS BASED ON INTEGRAL EQUATIONS SYSTEM. Progress in Electromagnetics Research M, 2014, 40, 179-183.	0.9	11
21619	Metal Assisted Synthesis of Single Crystalline Silicon Nanowires at Room Temperature for Photovoltaic Application. Journal of Nanomedicine & Nanotechnology, 2014, 05, .	1.1	2
21620	Mechanical Properties of MWCNT/Epoxy Nanocomposite Films. Journal of Applied Mechanical Engineering, 2014, 03, .	0.0	1
21621	Comparative Study of Isotherms Adsorption of B12 By Single-wall Carbon Nanotube and Multi-wall Carbon Nanotube. Oriental Journal of Chemistry, 2014, 30, 265-269.	0.3	1
21625	Morphological and Microstructural Property Comparison of Bulk and Aligned Cvd-Grown Carbon Nanotubes. Advanced Composites Letters, 2014, 23, 096369351402300.	1.3	1
21629	Low temperature synthesis of carbon nanotubes and carbon nanospheres. , 2014, , .		0
21630	Channeling of protons in radially compressed carbon nanotubes. Journal of Physics: Conference Series, 2014, 517, 012038.	0.4	1
21631	ATRP graft copolymerization of poly(N-isopropylacrylamide-co-acrylic acid) on multiwalled carbon nanotubes. Macromolecular Research, 2014, 22, 948-957.	2.4	3
21632	Deposition of hexagonal boron nitride thin films on silver nanoparticle substrates and surface enhanced infrared absorption. Chinese Physics B, 2014, 23, 047104.	1.4	2
21633	Current-Mode Electronically Tunable Resistor-less Universal Filter in $\hat{A}\pm 0.5V$ 32Nm CNFET. , 2014, , .		7
21634	Careful observation is the first thing to do in science. Microscopy (Oxford, England), 2014, 63, i1.3-i1.	1.5	0
21635	Preparation of carbon nanotube macroscopic body by finite field self-assembly assisted high temperature connection. Materials Letters, 2014, 134, 194-197.	2.6	3
21636	Bending Vibrations of Carbon Nanotubes by Using Nonlocal Theory. Procedia Engineering, 2014, 96, 21-27.	1.2	7
21637	Cancer Theranostics with Carbon-Based Nanoplatfoms. , 2014, , 347-361.		2

#	ARTICLE	IF	CITATIONS
21638	Molecular dynamics study of the stability of a carbon nanotube atop a catalytic nanoparticle. European Physical Journal D, 2014, 68, 1.	1.3	23
21639	High-Performance Resonator Based on Multiwalled Carbon Nanotube (MWCNT). IEEE Nanotechnology Magazine, 2014, 13, 1240-1249.	2.0	6
21640	Horizontal Growth and Electrical-Crosstalk Simulation of CNT Interconnection. ECS Transactions, 2014, 60, 751-756.	0.5	0
21641	Enhanced field emission properties of carbon nanotubes by coating diamond-like carbon layer. , 2014, , .		0
21642	Synthesis of PtRu/C-CNTs electrocatalysts for DMFCs with treated-CNTs and composition regulation. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 035015.	1.5	1
21644	Motion and energy dissipation of single-walled carbon nanotube on graphite by molecular dynamics simulation. Materials Research Express, 2014, 1, 025046.	1.6	3
21645	C₆₀ IN PHOTODISSOCIATION REGIONS. Astrophysical Journal, 2014, 794, 83.	4.5	34
21646	A Novel Method to Fabricate CNT/Mgâ€“6Zn Composites with High Strengthening Efficiency. Acta Metallurgica Sinica (English Letters), 2014, 27, 909-917.	2.9	25
21647	Micro/Nano-Engineering of Cells for Delivery of Therapeutics. , 2014, , 253-279.		1
21648	Carbon-Based Nanoscience. Elements, 2014, 10, 447-452.	0.5	8
21649	First-principles investigation of the structural, electronic and optical properties of V-doped single-walled ZnO nanotube (8, 0). Modern Physics Letters B, 2014, 28, 1450139.	1.9	4
21650	A chiral sensor for recognition of DOPA enantiomers based on immobilization of Î²-cyclodextrin onto the carbon nanotube-ionic liquid nanocomposite. Journal of Solid State Electrochemistry, 2014, 18, 3463-3469.	2.5	38
21651	One-dimensional silicon and germanium nanostructures with no carbon analogues. Physical Chemistry Chemical Physics, 2014, 16, 24570-24574.	2.8	8
21652	THE BAND-GAP AND TRUE BAND-GAP IN NOMINALLY METALLIC CARBON NANOTUBES: THE TIGHT-BINDING STUDY ON CORRUGATION EFFECT. International Journal of Modern Physics B, 2014, 28, 1450018.	2.0	0
21653	A New Slit-Type Vacuum-Channel Transistor. IEEE Transactions on Electron Devices, 2014, 61, 4186-4191.	3.0	38
21654	Copper Phthalocyanine Functionalized Single-Walled Carbon Nanotubes: Thin Film Deposition and Sensing Properties. Key Engineering Materials, 0, 605, 461-464.	0.4	7
21655	The effect of titania precursor on the morphology of prepared TiO₂/MWCNT nanocomposite materials. Physica Status Solidi (B): Basic Research, 2014, 251, 2384-2388.	1.5	5
21656	Structural and Textural Study of Highly Porous Carbon Nanospheres. Advanced Materials Research, 2014, 976, 36-40.	0.3	0

#	ARTICLE	IF	CITATIONS
21657	A SIMULATION STUDY ON THE PROCESS OF NICKEL FILLING INTO CARBON NANOTUBES. Nano, 2014, 09, 1450092.	1.0	0
21658	Recent advances in understanding the reinforcing ability and mechanism of carbon nanotubes in ceramic matrix composites. Science and Technology of Advanced Materials, 2014, 15, 064902.	6.1	73
21660	PHOTOCATALYTIC PROPERTIES OF TiO ₂ /CNTs FILMS WITH DIFFERENT MORPHOLOGY ON STAINLESS STEEL SUBSTRATES. Nano, 2014, 09, 1450003.	1.0	4
21661	Atomistic Studies on Tensile Mechanics of BN Nanotubes in the Presence of Defects. International Journal of Nanoscience, 2014, 13, 1450005.	0.7	9
21663	Artificial Graphene and Related Photonic Lattices Generated With a Simple Method. IEEE Photonics Journal, 2014, 6, 1-6.	2.0	6
21664	Novel bilayer graphene structures produced by arc-discharge. Journal of Physics: Conference Series, 2014, 522, 012067.	0.4	0
21667	High-performance resonator based on single-walled carbon nanotube bundle for THz application. Journal of Electromagnetic Waves and Applications, 2014, 28, 316-325.	1.6	3
21668	Carbon nanotubes induced poly(vinylidene fluoride) crystallization from a miscible poly(vinylidene) Tj ETQq1 1 0.784314 rgBT ₁₄ /Overlock	2.1	14
21669	Molecular Dynamics Simulation of Noble Gases Adsorption on Carbon Nanotube Bundles. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 520-527.	2.1	8
21670	Simultaneous determination of 36 pesticide residues in spinach and cauliflower by LC-MS/MS using multi-walled carbon nanotubes-based dispersive solid-phase clean-up. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 73-82.	2.3	37
21671	Mechanistic aspects of the radiation-chemical reduction of graphene oxide to graphene-like materials. International Journal of Radiation Biology, 2014, 90, 486-494.	1.8	13
21672	Synthesis of Highly Dispersed Pt Catalysts on MWCNTs via Hydrolytic Deposition without Preliminary Modification of the Support. Advanced Materials Research, 0, 1040, 399-404.	0.3	1
21673	From small to medium and beyond: a pragmatic approach in predicting properties of Ne containing structures. Molecular Physics, 2014, 112, 645-653.	1.7	6
21675	Molecular modeling of the conductivity of carbon nanotubes under different temperature and humidity. , 2014, , .		0
21676	Control of morphology for energy dissipation in carbon nanotube forests. Applied Physics A: Materials Science and Processing, 2014, 117, 1849-1857.	2.3	5
21677	Ultrafast synthesis of Au(I)-dodecanethiolate nanotubes for advanced Hg ²⁺ sensor electrodes. Nanoscale Research Letters, 2014, 9, 601.	5.7	3
21679	Decorating Multi-Walled Carbon Nanotubes with Temperature-Responsive Polymer Shells via Surface-Initiated Redox Polymerization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 999-1003.	2.2	3
21680	Elastic behavior of disclination dipole near nanotube with surface/interface effect. Chinese Physics B, 2014, 23, 030202.	1.4	4

#	ARTICLE	IF	CITATIONS
21681	Comparative study of leakage power in CNTFET over MOSFET device. Journal of Semiconductors, 2014, 35, 114002.	3.7	35
21682	Molecular dynamics simulation of an argon cluster filled inside carbon nanotubes. Chinese Physics B, 2014, 23, 106105.	1.4	2
21683	Electronic structures of carbon nanotubes with monovacancy under an electric field. Japanese Journal of Applied Physics, 2014, 53, 115102.	1.5	4
21684	Parametric instabilities in single-walled carbon nanotubes. Chinese Physics B, 2014, 23, 025202.	1.4	0
21685	Observing and predicting the preferential functionalization of metallic or semiconducting single-walled carbon nanotubes. Europhysics Letters, 2014, 107, 67003.	2.0	1
21686	Intermediate sp^2 -hybridization for chemical bonds in nonplanar covalent molecules of carbon. Chinese Physics B, 2014, 23, 063102.	1.4	1
21687	Influence of chirality on the thermal conductivity of single-walled carbon nanotubes. Chinese Physics B, 2014, 23, 083101.	1.4	12
21689	Control of sleep-to-wake transitions via fast amino acid and slow neuropeptide transmission. New Journal of Physics, 2014, 16, 115010.	2.9	16
21690	SIM.M.F-S1: Testing machine calibration in compression SIM comparison up to 100 kN. Metrologia, 2014, 51, 07001-07001.	1.2	0
21691	An investigation of the fracturing process in nitrogen-doped multiwalled carbon nanotubes (N-MWCNTs). Evidence for directional unzipping. Materials Research Express, 2014, 1, 015603.	1.6	1
21692	Synthesis and characterization of nanoarchitectures from fatty acid derivatives of 2,6-diaminopyridine and 2-aminopyridine. Journal of Nanostructure in Chemistry, 2014, 4, 83-93.	9.1	4
21693	Development of MWCNTs-based wideband photodetector in the visible range: wavelength and power-dependent response studies. Applied Physics A: Materials Science and Processing, 2014, 117, 1119-1123.	2.3	7
21694	A versatile chemical conversion synthesis of Cu ₂ S nanotubes and the photovoltaic activities for dye-sensitized solar cell. Nanoscale Research Letters, 2014, 9, 513.	5.7	34
21695	Improvement in structural and electrical properties of cuprous oxide-coated multiwalled carbon nanotubes. Bulletin of Materials Science, 2014, 37, 1427-1431.	1.7	5
21696	Growth properties of carbon nanowalls on glass substrates by a microwave plasma-enhanced chemical vapor deposition. Japanese Journal of Applied Physics, 2014, 53, 05FD09.	1.5	6
21697	Design metrics improvement of 10T1R1C1 cell using CNFET. , 2014, , .		1
21698	Spin transport in dangling-bond wires on doped H-passivated Si(100). Nanotechnology, 2014, 25, 465703.	2.6	10
21699	Fabrication of flexible transparent conductive films from long double-walled carbon nanotubes. Science and Technology of Advanced Materials, 2014, 15, 025005.	6.1	23

#	ARTICLE	IF	CITATIONS
21700	High-performance flexural fatigue of carbon nanotube yarns. Science Bulletin, 2014, 59, 3831-3834.	1.7	4
21701	Transformation of multiwalled carbon nanotubes to amorphous carbon nanorods under ion irradiation. Japanese Journal of Applied Physics, 2014, 53, 02BD06.	1.5	10
21702	Thermal and electrical behavior of nano-modified cement mortar. , 2014, , .		1
21703	Solution-Based Fabrication of Carbon Nanotube Bumps for Flip-Chip Interconnects. IEEE Nanotechnology Magazine, 2014, 13, 1118-1126.	2.0	6
21704	Multiwall Carbon Nanotubes and Nanofibers in <i>Gallionella</i> . Geomicrobiology Journal, 2014, 31, 764-768.	2.0	3
21705	Benign reduction of carbon nanotube agglomerates using a supercritical carbon dioxide process. Applied Physics A: Materials Science and Processing, 2014, 117, 1003-1017.	2.3	9
21706	Solid-phase microextraction fiber development for sampling and analysis of volatile organohalogen compounds in air. Journal of Environmental Health Science & Engineering, 2014, 12, 123.	3.0	15
21707	Designed synthesis of tunable amorphous carbon nanotubes (a-CNTs) by a novel route and their oxidation resistance properties. Bulletin of Materials Science, 2014, 37, 1397-1402.	1.7	9
21708	The Bright Future of Fabulous Materials Based on Carbon. Daedalus, 2014, 143, 31-42.	1.8	2
21709	Recent Developments in Purification of Single Wall Carbon Nanotubes. Separation Science and Technology, 2014, 49, 2797-2812.	2.5	14
21710	From highly graphitic to amorphous carbon dots: A critical review. MRS Energy & Sustainability, 2014, 1, 1.	3.0	43
21712	PREDICTED MECHANICAL PROPERTIES OF CARBON NANOTUBE-BASED STRUCTURES. International Journal of Applied Mechanics, 2014, 06, 1450027.	2.2	2
21714	Design and Applications of Nanomaterials for Sensors. Challenges and Advances in Computational Chemistry and Physics, 2014, , .	0.6	6
21715	Continuum Solid Modeling based FEM Simulation Approach for Single Walled Boron Nitride Nanotube based Biosensing. , 2014, 5, 2-10.		1
21716	Study in synthesis and characterization of carbon nanotubes decorated by magnetic iron oxide nanoparticles. International Nano Letters, 2014, 4, 129-135.	5.0	73
21717	Solid-phase extraction using multiwalled carbon nanotubes and quinalizarin for preconcentration and determination of trace amounts of some heavy metals in food, water and environmental samples. International Journal of Environmental Analytical Chemistry, 2014, 94, 1210-1222.	3.3	36
21719	Two independent, 1-D metal-organic nanotubes based on rings or helical chain units. Journal of Coordination Chemistry, 2014, 67, 1317-1331.	2.2	7
21720	Nanotitania-coated multi-walled carbon nanotube composite by facile colloidal processing route for photocatalytic applications. Composite Interfaces, 2014, 21, 251-262.	2.3	3

#	ARTICLE	IF	CITATIONS
21721	Mass production of carbon nanotube reinforced polyacrylonitrile fine composite fibers. Journal of Applied Polymer Science, 2014, 131, .	2.6	22
21722	Violation of the universal behavior of membranes inside cylindrical tubes at nanoscale. Europhysics Letters, 2014, 105, 56002.	2.0	2
21723	Filling Carbon Nanotubes with Prussian Blue Nanoparticles of High Peroxidase Like Catalytic Activity for Colorimetric Chemo and Biosensing. Chemistry - A European Journal, 2014, 20, 2623-2630.	3.3	63
21724	Effect of varied Ag nanoparticles functionalized CNTs on its anti-bacterial activity against E. coli. Sensors and Actuators A: Physical, 2014, 216, 287-294.	4.1	35
21725	Structural and dynamical properties of the junction between a single carbon nanotube and a graphene nanoribbon. Japanese Journal of Applied Physics, 2014, 53, 045103.	1.5	0
21726	CVD growth of carbon nanofibers. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2679-2687.	1.8	9
21727	Effects of Carboxyl Functionalized Carbon Nanotube on the Tensile Strength and Wear Resistance of Epoxy Composites. Materials Science Forum, 0, 809-810, 175-179.	0.3	0
21728	Simulation and Evaluation of Carbon/epoxy Composite Systems Using FEM and Tensile Test. Procedia Engineering, 2014, 96, 70-74.	1.2	10
21729	FUNCTIONALIZED MULTIWALLED CARBON NANOTUBES BY GRAFTING HYPERBRANCHED POLYSILOXANE. Nano, 2014, 09, 1450040.	1.0	4
21730	CONTINUUM SHELL MODEL FOR BUCKLING OF ARMCHAIR CARBON NANOTUBES UNDER COMPRESSION OR TORSION. International Journal of Applied Mechanics, 2014, 06, 1450006.	2.2	21
21731	Hybrid Vigor: Securing Venture Capital by Spanning Categories in Nanotechnology. Academy of Management Journal, 2014, 57, 1309-1333.	6.3	160
21732	Effect of nano-filler on the performance of multiwalled carbon nanotubes based electrochemical double layer capacitors. Journal of Renewable and Sustainable Energy, 2014, 6, .	2.0	4
21733	SINGLE WALLED-BORON NITRIDE NANOTUBES BASED NANORESONATOR FOR SENSING OF ACETONE MOLECULES. Nano, 2014, 09, 1450086.	1.0	3
21734	Nonlinear Viscoelasticity of One Dimensional Filler Reinforced Elastomer Composites. Advances in Polymer Science, 2014, , 15-41.	0.8	8
21736	ON THE INFLUENCE OF ATOMIC MODIFICATIONS ON THE STRUCTURAL STABILITY OF CARBON NANOTUBE HYBRIDS: NUMERICAL INVESTIGATION. International Journal of Applied Mechanics, 2014, 06, 1450077.	2.2	8
21737	The structure and optical properties of regio-regular poly(3-hexylthiophene) and carboxylic multi-walled carbon nanotubes composite films. Journal Physics D: Applied Physics, 2014, 47, 505502.	2.8	12
21738	Adsorption Isotherm, Kinetic, Thermodynamic, and Desorption Studies of Lanthanum and Dysprosium on Oxidized Multiwalled Carbon Nanotubes. Journal of Dispersion Science and Technology, 2014, 35, 244-254.	2.4	60
21739	Tribological Behaviour of Aluminium Hybrid Metal Matrix Composite. Procedia Engineering, 2014, 97, 660-667.	1.2	83

#	ARTICLE	IF	CITATIONS
21740	Functionally Graded Composite Materials: An Overview. , 2014, 5, 1291-1299.		318
21741	In-situ homogeneous synthesis of carbon nanotubes on aluminum matrix and properties of their composites. Transactions of Nonferrous Metals Society of China, 2014, 24, 2331-2336.	4.2	16
21742	Multiresidue analysis of 16 pesticides in jujube using gas chromatography and mass spectrometry with multiwalled carbon nanotubes as a sorbent. Journal of Separation Science, 2014, 37, 3362-3369.	2.5	18
21744	First-principles calculations of 5d atoms doped hexagonal-AlN sheets: Geometry, magnetic property and the influence of symmetry and symmetry-breaking on the electronic structure. Chinese Physics B, 2014, 23, 016801.	1.4	16
21746	In vitro nanodelivery of silibinin as an anticancer drug under pH response. Journal of Drug Delivery Science and Technology, 2014, 24, 579-584.	3.0	2
21747	Free vibration analysis of fluid-conveying carbon nanotube via wave method. Acta Mechanica Solida Sinica, 2014, 27, 626-634.	1.9	19
21748	Optimal control of nonlinear vibration resonances of single-walled nanotube beams. Acta Mechanica Solida Sinica, 2014, 27, 648-656.	1.9	3
21750	Surface modification of single-walled carbon nanotubes and their use in the polymerization of acrylic monomers. Designed Monomers and Polymers, 2014, 17, 416-424.	1.6	5
21751	Complex impedance characterization of highly sensitive carbon nanotube gas sensors. , 2014, , .		4
21752	Synthesis and Characterization of Nanostructured Copolymer-Grafted Multiwalled Carbon Nanotube Composite Thermoplastic Elastomers toward Unique Morphology and Strongly Enhanced Mechanical Properties. Industrial & Engineering Chemistry Research, 2014, 53, 20154-20167.	3.7	18
21754	Preparation of activated carbon monolith by application of phenolic resins as carbon precursors. Functional Materials Letters, 2014, 07, 1450035.	1.2	2
21755	Selective extraction and preconcentration of ultra-trace amounts of arsenic(V) ions using carbon nanotubes as a novel sorbent. International Journal of Environmental Analytical Chemistry, 2014, 94, 1452-1462.	3.3	9
21756	Flow Recovery Downstream from Nanoposts Grown at the Wall of a Microchannel. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 1-17.	2.6	2
21757	Facile Synthesis of Nickel Based Alloy Microtube by Using Spider Silk as Template and its Catalytic Property. Applied Mechanics and Materials, 0, 551, 170-175.	0.2	1
21758	Comparison of Hydrogen Sulfide Sensing Properties between Multiple-Walled Carbon Nanotubes (MWNTs) and MWNTs-HAuCl ₄ Materials. Advanced Materials Research, 2014, 936, 310-314.	0.3	0
21759	Different Carbon Nanotube Content and Dispersant on the Preparation of Fe ₃ O ₄ / CNTs. Advanced Materials Research, 0, 1052, 79-85.	0.3	0
21760	The Use of Nonlocal Theory for Bending Vibrations of Single-Walled Carbon Nanotubes. Applied Mechanics and Materials, 2014, 611, 332-336.	0.2	2
21761	Manipulation of Separation Selectivity for Alkali Metals Using Capped Single-Walled Carbon Nanotubes: A Theoretical Study. Applied Mechanics and Materials, 2014, 687-691, 4307-4310.	0.2	0

#	ARTICLE	IF	CITATIONS
21762	Density Functional Theory Calculations of Atomic Hydrogen Adsorption on (3, 3) Single-Wall Carbon Nanotubes with Vacancy Defects. Applied Mechanics and Materials, 0, 687-691, 4315-4318.	0.2	0
21763	Study on the Preparation and Fluorescence Performance of Graphene Oxide. Advanced Materials Research, 0, 1058, 61-64.	0.3	0
21764	Effect of Temperature on the Transformation of Carbon Black into Nanotubes. Advanced Materials Research, 0, 875-877, 1565-1571.	0.3	3
21765	Large-Scale Synthesis of Water-Dissoluble Nanorods. Advanced Materials Research, 2014, 941-944, 395-399.	0.3	1
21766	On the Stiffness of Carbon Nanotubes with Spiral Distortion. Journal of Nano Research, 0, 29, 85-92.	0.8	4
21767	Processing and Characterization of Carbon Nanotubes Decorated with Pure Electroless Nickel and their Magnetic Properties. , 2014, 5, 883-890.		9
21768	Growth Environment of Carbon Nanotubes by DC-PCVD. Advanced Materials Research, 0, 887-888, 170-173.	0.3	0
21769	Study on Tensile and Impact Performance for the MWCNTs/EP Composite. Advanced Materials Research, 2014, 936, 390-393.	0.3	0
21770	Electroabsorbing Hemoglobin on Nano-Silver/Carbon Nanotube Composite Films Electrode for Oxygen Electroanalysis. Advanced Materials Research, 0, 955-959, 1120-1125.	0.3	0
21771	High Production of Carbon Nanotube Bundles with $\text{Fe}_{2\text{O}_3}/\text{Al}_{2\text{O}_3}$ Catalyst. Applied Mechanics and Materials, 0, 695, 122-126.	0.2	2
21772	Preparation of a lead sensor based on porous multiwalled carbon nanotubes/thiolated chitosan composite materials. Turkish Journal of Chemistry, 2014, 38, 182-188.	1.2	4
21773	Nano-modified polymer concrete for infrastructure applications. International Journal of Academic Research, 2014, 6, 75-84.	0.1	1
21774	Carbon Materials for Fuel Cells. , 2014, , 231-270.		5
21775	Processing of Alumina and Corresponding Composites. , 2014, , 31-72.		7
21776	Quantum Hall effect of self-organized graphene monolayers on the C-face of 6H-SiC. Journal Physics D: Applied Physics, 2014, 47, 094009.	2.8	5
21777	Effect of Catalytic Layer Thickness on Diameter of Vertically Aligned Individual Carbon Nanotubes. Journal of Nanomaterials, 2014, 2014, 1-6.	2.7	5
21778	Microstructure and Mechanical Properties of MWCNTs Reinforced A356 Aluminum Alloys Cast Nanocomposites Fabricated by Using a Combination of Rheocasting and Squeeze Casting Techniques. Journal of Nanomaterials, 2014, 2014, 1-14.	2.7	60
21779	Recent Advances in Nanocarbon Materials. Journal of Nanomaterials, 2014, 2014, 1-2.	2.7	2

#	ARTICLE	IF	CITATIONS
21780	In vivogenotoxicity evaluation of lung cells from Fischer 344 rats following 28 days of inhalation exposure to MWCNTs, plus 28 days and 90 days post-exposure. Inhalation Toxicology, 2014, 26, 222-234.	1.6	24
21781	Nanomaterial-Based Electrochemical Immunosensors for Clinically Significant Biomarkers. Materials, 2014, 7, 4669-4709.	2.9	108
21782	Biohybrids Based on Carbon Nanotubes and Liposomes – Biophysical Studies. Molecular Crystals and Liquid Crystals, 2014, 604, 1-10.	0.9	2
21783	Review - coating methods of carbon nanotubes and their potential applications. , 2014, , .		1
21784	The study of electromagnetic field inside a multiloop antenna. , 2014, , .		0
21785	Carbon Nanofibers from Carbon Nanotubes by 1.2-keV Ar+ Sputtering at Room Temperature. Journal of Nanomaterials, 2014, 2014, 1-5.	2.7	5
21786	Investigation of Cytotoxicity of Phosphoryl Choline Modified Single-Walled Carbon Nanotubes under a Live Cell Station. BioMed Research International, 2014, 2014, 1-12.	1.9	2
21787	A Comparative Study of the Effect of MgO and CaCO ₃ as Support Materials in the Synthesis of Carbon Nanotubes with Fe/Co as Catalyst. Journal of Chemistry, 2014, 2014, 1-6.	1.9	1
21788	Nonlocal vibration of a carbon nanotube embedded in an elastic medium due to moving nanoparticle analyzed by modified Timoshenko beam theory-parametric excitation and spectral response. Journal of the Mechanical Behavior of Materials, 2014, 23, 109-128.	1.8	2
21790	Microelectronics-Based Biosensors Dedicated to the Detection of Neurotransmitters: A Review. Sensors, 2014, 14, 17981-18008.	3.8	28
21791	Microscopic investigation of single-wall carbon nanotube uptake by <i>Daphnia magna</i> . Nanotoxicology, 2014, 8, 2-10.	3.0	60
21792	Role of Morphological Structure, Doping, and Coating of Different Materials in the Sensing Characteristics of Humidity Sensors. Sensors, 2014, 14, 16343-16422.	3.8	97
21793	Graphene: One Material, Many Possibilities – Application Difficulties in Biological Systems. Journal of Nanomaterials, 2014, 2014, 1-11.	2.7	59
21794	Shear Lag Model for Regularly Staggered Short Fuzzy Fiber Reinforced Composite. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	28
21795	Carbon Nanotubes Reinforced Composites for Biomedical Applications. BioMed Research International, 2014, 2014, 1-14.	1.9	39
21796	Improved Strength and Toughness of Carbon Woven Fabric Composites with Functionalized MWCNTs. Materials, 2014, 7, 4640-4657.	2.9	31
21797	Nanotubos de carbono: potencial de uso em medicina veterinária. Ciencia Rural, 2014, 44, 1823-1829.	0.5	6
21798	Formation and Yield of Multi-Walled Carbon Nanotubes Synthesized via Chemical Vapour Deposition Routes Using Different Metal-Based Catalysts of FeCoNiAl, CoNiAl and FeNiAl-LDH. International Journal of Molecular Sciences, 2014, 15, 20254-20265.	4.1	9

#	ARTICLE	IF	CITATIONS
21799	Hybrid Composites Based on Carbon Fiber/Carbon Nanofilament Reinforcement. <i>Materials</i> , 2014, 7, 4182-4195.	2.9	22
21800	Flexible Carbon Nanotube Films for High Performance Strain Sensors. <i>Sensors</i> , 2014, 14, 10042-10071.	3.8	249
21801	Shape-controlled synthesis of one-dimensional Al _x Ga _{1-x} N nanotower arrays: structural characteristics and growth mechanism. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 065311.	2.8	4
21802	Strong localization in defective carbon nanotubes: a recursive Green's function study. <i>New Journal of Physics</i> , 2014, 16, 123026.	2.9	12
21803	Thermal rectification in pristine-hydrogenated carbon nanotube junction: A molecular dynamics study. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	31
21804	Modeling and Analysis the Effect of Helical Carbon Nanotube Morphology on the Mechanical Properties of Nanocomposites Using Hexagonal Representative Volume Element. <i>Applied Mechanics and Materials</i> , 0, 577, 3-6.	0.2	0
21805	Cu-Ni Alloy Nanoparticles Supported on Multiwalled Carbon Nanotubes Composites with Pre-Treated Multiwalled Carbon. <i>Applied Mechanics and Materials</i> , 0, 633-634, 7-10.	0.2	0
21806	Energetics and Electronic Structures of Carbon Nanotubes Encapsulating Polycyclic Aromatic Hydrocarbon Molecules. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 124709.	1.6	17
21807	Ultrasonic-Assisted Electroless Plating of Silver Nanoparticles on Carbon Nanotubes. <i>Advanced Materials Research</i> , 2014, 893, 119-123.	0.3	0
21808	Synthesis of Physically Functionalized Carbon Nanotube Reinforced Al-Si Nanocomposite by Spark Plasma Sintering. <i>Materials Science Forum</i> , 0, 783-786, 1542-1547.	0.3	0
21809	Experimental Characterization of Carbon Nanotubes on the Stainless Steel Substrate from the Controllable Flame. <i>Applied Mechanics and Materials</i> , 2014, 638-640, 1441-1444.	0.2	0
21810	Determinate the Fracture Toughness of PMMA Cement. <i>Advanced Materials Research</i> , 2014, 1030-1032, 758-761.	0.3	0
21811	Development of Carbon-Nanotube Composite Thread and its Application to "Thread Transistor". <i>Advances in Science and Technology</i> , 0, , .	0.2	0
21812	Electromagnetic Induction Heating Bonding between Carbon Nanotubes and Metal Electrode. <i>Key Engineering Materials</i> , 2014, 609-610, 412-416.	0.4	0
21813	Hydrogen Peroxide Sensor Based on Carbon Nanotubes - Poly(celestine blue) Nanohybrid Modified Electrode. <i>Advanced Materials Research</i> , 2014, 938, 263-268.	0.3	2
21814	Improvement of Performance of Paper Transistor Using Carbon-Nanotube-Composite Paper and its Application to Logic Circuit. <i>Advances in Science and Technology</i> , 2014, 95, 32-37.	0.2	3
21815	Effect of ferrocene concentration on the quality of multiwalled CNTs grown by floating catalytic chemical vapor deposition technique. <i>Main Group Chemistry</i> , 2014, 13, 251-259.	0.8	11
21816	Synthesis of Carbon Nanotube Incorporated Molecular Imprinted Polymer with Binding Affinity towards Testosterone. <i>ISRN Polymer Science</i> , 2014, 2014, 1-7.	0.3	6

#	ARTICLE	IF	CITATIONS
21817	Study of the Nanomechanics of CNTs under Tension by Molecular Dynamics Simulation Using Different Potentials. , 2014, 2014, 1-18.		14
21818	Carbon nanotube-based hot-film and temperature sensor assembled by optically-induced dielectrophoresis. IET Nanobiotechnology, 2014, 8, 44-50.	3.8	12
21819	Common Wet Chemical Agents for Purifying Multiwalled Carbon Nanotubes. Journal of Nanomaterials, 2014, 2014, 1-9.	2.7	24
21820	FGM Plate with Surface Crack, Thermal Shock. , 2014, , 1587-1594.		0
21821	Properties of Carbon Nanotubes. , 2014, , 1-49.		3
21822	Sintering Behavior of CNT Reinforced Al6061 and Al2124 Nanocomposites. Advances in Materials Science and Engineering, 2014, 2014, 1-9.	1.8	11
21823	Ostwald Ripening of the Platinum Nanoparticles in the Framework of the Modified LSW Theory. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	9
21824	Molecular Dynamics Simulation and Continuum Shell Model for Buckling Analysis of Carbon Nanotubes. Springer Series in Materials Science, 2014, , 239-273.	0.6	10
21825	Electrooxidation of Indomethacin at Multiwalled Carbon Nanotubes-Modified GCE and Its Determination in Pharmaceutical Dosage Form and Human Biological Fluids. , 2014, 2014, 1-9.		3
21826	Analysis of Tribological Behavior of Carbon Nanotube Based Industrial Mineral Gear Oil 250 cSt Viscosity. Advances in Tribology, 2014, 2014, 1-8.	2.1	33
21827	Comparison of structural health assessment capabilities in epoxy " carbon black and epoxy " carbon nanotube nanocomposites. EXPRESS Polymer Letters, 2014, 8, 55-61.	2.1	3
21828	Dramatic Effect of the Utilized Theory on Frequency Distribution Function of Carbon Nanotubes. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	0
21829	The expanded amelogenin polyproline region preferentially binds to apatite versus carbonate and promotes apatite crystal elongation. Frontiers in Physiology, 2014, 5, 430.	2.8	16
21830	Advanced Solar Energy Conversion Technologies Enabled by Novel (Nano)Materials and Processing for Space Power with Potential for Terrestrial Applications. , 2014, , .		1
21831	Exploring Creative Research in Emerging Research Domains. Worldwide Longitudinal Evidence for Nanoscale Science and Technology. Annals of Economics and Statistics, 2014, , 107.	0.4	0
21832	Haldane State Formed by Oxygen Molecules Encapsulated in Single-Walled Carbon Nanotubes. Journal of the Physical Society of Japan, 2014, 83, 113706.	1.6	13
21833	Modelling of stress transfer in double-walled carbon nanotube-reinforced composites. Materials Research Innovations, 2014, 18, S3-59-S3-64.	2.3	2
21834	Electronic structures of strained MoS ₂ nanoribbons. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
21835	Effects of DNA Encapsulation on Buckling Instability of Carbon Nanotube Based on Nonlocal Elasticity Theory. , 2014, , .		0
21836	Fabrication of Carbon Nanotube Field-Emission Cathodes by Laser-Induced Transfer of Carbon Nanotubes and Silver Paste. Journal of Display Technology, 2014, 10, 1083-1087.	1.2	2
21837	Fabrication and characterisation of CuO nanotubes electrodeposited into aluminium oxide template in ionic liquid. Materials Research Innovations, 2014, 18, 134-137.	2.3	1
21838	Controlled synthesis of MnO ₂ /CNT nanocomposites for supercapacitor applications. Materials Technology, 2014, 29, A107-A113.	3.0	37
21839	Synthesis and cytotoxicity of carbon nanotube/hydroxyapatite in situ composite powders prepared by chemical vapour deposition. Materials Research Innovations, 2014, 18, S2-338-S2-343.	2.3	1
21840	Fabrication and properties of planar gate field emission arrays with patterned ZnO nanowires. Materials Technology, 2014, 29, 313-318.	3.0	3
21841	Influence of Carbon Nanotubes on Wear of Carbide/Cobalt Micropunch. Journal of Tribology, 2014, 136, .	1.9	2
21842	Laser Diagnostics of Plasma in Synthesis of Graphene-Based Materials. Journal of Micro and Nano-Manufacturing, 2014, 2, .	0.7	5
21843	Studies of Mechanical Properties of Multiwall Nanotube Based Polymer Composites. Journal of Nanotechnology in Engineering and Medicine, 2014, 5, .	0.8	4
21844	Dynamic Behavior of Carbon Nanotubes Using Nonlocal Rayleigh Beam. , 2014, , .		2
21845	Carbon Nanotube Strain Measurements via Tensile Testing. , 2014, , .		0
21846	Dispersion of Single and Multiwalled Nanotubes with Poly(sodium styrene sulfonate) â€” Effect of pH and Ionic Strength on Dispersion Stability. Australian Journal of Chemistry, 2014, 67, 66.	0.9	4
21847	Arsenic based hexagonal building motifs for inorganic nanomaterials. , 2014, , .		0
21848	Parametric effects in nanobeams and AFM. , 2014, , .		0
21849	Ballistic- and quantum-conductor carbon nanotubes: The limits of the liquid-metal contact method. Physical Review B, 2014, 90, .	3.2	2
21850	Metal-CNT contacts. , 2014, , .		4
21851	Metallic single-walled, carbon nanotube temperature sensor with self heating. Proceedings of SPIE, 2014, , .	0.8	5
21852	Diameter-selective alignment of carbon nanotubes on Si(001) stepped surfaces. Journal of Chemical Physics, 2014, 140, 044713.	3.0	1

#	ARTICLE	IF	CITATIONS
21853	Temperature effect on strength of aluminum based high thermal conductive composites containing VGCF-CNT filler. , 2014, , 336-340.		0
21854	Determination of optimal nanotube radius for single-strand deoxyribonucleic acid encapsulation. Micro and Nano Letters, 2014, 9, 113-118.	1.3	5
21855	Energetic barrier for penetration of N, N ⁺ and N ⁺⁺ through the centre of hexagonal rings of a C ₆₀ cage. A stability study of the endohedral complexes (N@C) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 and Nano Letters, 2014, 9, 425-428.	1.3	0
21856	Highly Energetic Collisions of Xe with Fullerene Clusters. , 2014, , .		0
21857	Incorporation of Balls, Tubes, and Bowls in Nanotechnology. Topics in Current Chemistry, 2014, 348, 37-52.	4.0	5
21858	Application of Nano-Tubes for the Detection of Boundary Layer Transition. , 2014, , .		8
21859	Nanodevices: fabrication, prospects for low dimensional devices and applications. , 2014, , 399-423.		4
21860	Precursor and formation mechanism in the synthesis of carbon nanotubes by chemical vapor deposition. Chemical Physics Letters, 2014, 616-617, 217-221.	2.6	3
21861	Surface magnetism of the carbon foam: An ab-initio theoretical study. Applied Physics Letters, 2014, 105, 061601.	3.3	7
21862	Metal- nanocarbon contacts. Semiconductor Science and Technology, 2014, 29, 054006.	2.0	53
21863	The transfer of carbon nanotubes in an immiscible high density polyethylene and polyamide 6 blend. Polymers for Advanced Technologies, 2014, 25, 364-371.	3.2	9
21864	Strength versus ductility in carbon nanotube reinforced nickel matrix nanocomposites. Journal of Materials Research, 2014, 29, 761-769.	2.6	31
21865	Multiwalled Nanotubes Formed by Catanionic Mixtures of Drug Amphiphiles. ACS Nano, 2014, 8, 12690-12700.	14.6	98
21866	Research on highly sensitive humidity sensor based on Tr-MWCNT/HEC composite films. Journal of Materials Research, 2014, 29, 2845-2853.	2.6	9
21867	Effects of Multi-walled Carbon Nanotubes on the Dielectric and Microwave Properties of Natural Rubber-based Composites. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 618-629.	2.1	6
21868	Magnetoelectric Characterization of Multiferroic Nanostructure Materials. Ferroelectrics, 2014, 473, 137-153.	0.6	9
21869	Enhanced field emission from lanthanum hexaboride coated multiwalled carbon nanotubes: Correlation with physical properties. Journal of Applied Physics, 2014, 116, .	2.5	23
21870	Noble gas encapsulation into carbon nanotubes: Predictions from analytical model and DFT studies. Journal of Chemical Physics, 2014, 141, 184304.	3.0	17

#	ARTICLE	IF	CITATIONS
21871	Silicon carbide based one-dimensional nanostructure growth: towards electronics and biology perspectives. Journal Physics D: Applied Physics, 2014, 47, 203001.	2.8	20
21872	A methodological combined framework for roadmapping biosensor research: a fault tree analysis approach within a strategic technology evaluation frame. Critical Reviews in Biotechnology, 2014, 34, 31-55.	9.0	19
21873	Phase aggregation and morphology effects on nanocarbon optoelectronics. Nanotechnology, 2014, 25, 485601.	2.6	4
21874	Theoretical Study on the Encapsulation of Li Atoms inside Boron Nitride Nanotubes: Physical Properties and Catalytic Reactivity for the Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2014, 118, 30325-30332.	3.1	11
21875	The structure, stability, and electronic properties of ultra-thin BC ₂ N nanotubes: a first-principles study. Journal of Molecular Modeling, 2014, 20, 2536.	1.8	2
21876	Electron transport in carbon nanotube/RbAg ₄ I ₅ film composite nanostructures modulated by optical field. Applied Physics Letters, 2014, 104, 243111.	3.3	10
21877	Analysis of Mechanical Properties of Carbon Nanotube Reinforced Polymer Composites Using Continuum Mechanics Approach. , 2014, 6, 18-25.		34
21878	Using multi-walled carbon nanotubes in spark plasma sintered Pb(Zr _{0.47} Ti _{0.53})O ₃ ceramics for tailoring dielectric and tunability properties. Journal of Applied Physics, 2014, 116, .	2.5	14
21879	Quantification of Whole Body and Excreted Carbon Nanohorns Intravenously Injected into Mice. Advanced Healthcare Materials, 2014, 3, 239-244.	7.6	19
21880	Ion-modulated nonlinear electronic transport in carbon nanotube bundle/RbAg ₄ I ₅ thin film composite nanostructures. Journal of Applied Physics, 2014, 115, 044302.	2.5	7
21881	Intrinsic carrier mobility of a single-layer graphene covalently bonded with single-walled carbon nanotubes. Journal of Applied Physics, 2014, 115, .	2.5	12
21882	Electrical properties of dispersions of graphene in mineral oil. Applied Physics Letters, 2014, 104, 054105.	3.3	3
21883	Thermogravimetric kinetics of degradation of HDPE based MWCNTs reinforced composites. International Journal of Plastics Technology, 2014, 18, 294-320.	3.1	11
21884	Half-metallicity modulation of hybrid BN-C nanotubes by external electric fields: A first-principles study. Journal of Chemical Physics, 2014, 140, 234702.	3.0	5
21885	Fabrication and Growth Mechanism of Bamboo-structured Boron Nitride Nanotubes with Thorn-Like Morphology. Chinese Journal of Chemical Physics, 2014, 27, 555-558.	1.3	0
21886	Experimental Observation of Boron Nitride Chains. ACS Nano, 2014, 8, 11950-11957.	14.6	70
21887	Excellent electrode material of carbon nanotube macro-fibers for electric arc generator. Journal of Applied Physics, 2014, 115, 124908.	2.5	4
21888	Note: Design and initial results of a multi-pulsed intense electron beam source. Review of Scientific Instruments, 2014, 85, 066108.	1.3	2

#	ARTICLE	IF	CITATIONS
21889	Crystallization Kinetics of Multiwalled Carbon Nanotube Filled Poly (vinylidene fluoride) Composites: Influence of Interfacial Interactions. Polymer-Plastics Technology and Engineering, 2014, 53, 539-549.	1.9	11
21891	Polyarenes II. Topics in Current Chemistry, 2014, , .	4.0	4
21892	ABC Triblock Terpolymer Self-Assembled Core-Shell Corona Nanotubes with High Aspect Ratios. Macromolecular Rapid Communications, 2014, 35, 1387-1396.	3.9	11
21893	Integration of carbon nanotube films with SRRs for air quality sensing applications. , 2014, , .		8
21895	Binding of hydroxylated single-walled carbon nanotubes to two hemoproteins, hemoglobin and myoglobin. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 26-35.	3.8	41
21896	Synthesis and luminescence characteristics of ZnO nanotubes. Journal of Semiconductors, 2014, 35, 093004.	3.7	3
21897	Linking Catalyst Phase with CNT Morphology and its Subsequent Field Emission Characteristics: An Optimization Study. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 375-383.	2.1	1
21898	Yttrium-dispersed C60 fullerenes as high-capacity hydrogen storage medium. Journal of Chemical Physics, 2014, 140, 084706.	3.0	14
21899	Electrokinetic potential of multilayer carbon nanotubes in aqueous solutions of electrolytes and surfactants. Colloid Journal, 2014, 76, 509-513.	1.3	21
21900	Carbon nanomaterials as new tools for immunotherapeutic applications. Journal of Materials Chemistry B, 2014, 2, 6144-6156.	5.8	39
21901	Nanostructured Biointerfacing of Metals with Carbon Nanotube/Chitosan Hybrids by Electrodeposition for Cell Stimulation and Therapeutics Delivery. ACS Applied Materials & Interfaces, 2014, 6, 20214-20224.	8.0	42
21902	Substrate-induced Band Gap Renormalization in Semiconducting Carbon Nanotubes. Scientific Reports, 2014, 4, 3609.	3.3	26
21904	Nano Structure Study on the First Series Transition Cations Inside $B_{16}N_{16}$ -Nanotube in Point of Electromagnetic Interaction. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 798-808.	2.1	2
21905	Fabrication of a novel TiO_2/CNT based transistor. , 2014, , .		0
21907	$\chi_{\{C\}_3}$ coefficients for the alkali atoms interacting with a graphene layer and carbon nanotube. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 155002.	1.5	26
21908	Oxidative enzymatic response of white-rot fungi to single-walled carbon nanotubes. Environmental Pollution, 2014, 193, 197-204.	7.5	42
21909	Orientation- and passivation-dependent stability and electronic properties of $\pm Si_3N_4$ nanobelts. Physical Chemistry Chemical Physics, 2014, 16, 24266-24274.	2.8	7
21910	Separation of total lipids on human lipoproteins using surfactant-coated multiwalled carbon nanotubes as pseudostationary phase in capillary electrophoresis. Electrophoresis, 2014, 35, 978-985.	2.4	13

#	ARTICLE	IF	CITATIONS
21912	Highly Curved Bowl-Shaped Fragments of Fullerenes: Synthesis, Structural Analysis, and Physical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 598-608.	3.3	54
21913	An Independent 1D Single-Walled Metal-Organic Nanotube Transformed from a 2D Layer Exhibits Highly Selective and Reversible Sensing of Nitroaromatic Compounds. <i>Chemistry - A European Journal</i> , 2014, 20, 4885-4890.	3.3	92
21915	Local curvature and stability of two-dimensional systems. <i>Physical Review B</i> , 2014, 90, .	3.2	24
21916	Improving the flame retardancy of polyamide 6 by incorporating hexachlorocyclotriphosphazene modified MWNT. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1099-1107.	3.2	38
21918	Hyperbranched polyurethane/triethanolamine functionalized multi-walled carbon nanotube nanocomposites as remote induced smart materials. <i>Polymer International</i> , 2014, 63, 1295-1302.	3.1	19
21919	Mechanical and biological properties of chitosan/carbon nanotube nanocomposite films. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 2704-2712.	4.0	57
21920	Analysis of nonlinear dynamic stability of single-walled carbon nanotubes in thermal environments. <i>Micro and Nano Letters</i> , 2014, 9, 175-179.	1.3	0
21921	Organoplatinum-Mediated Synthesis of Cyclic π -Conjugated Molecules: Towards a New Era of Three-Dimensional Aromatic Compounds. <i>Chemical Record</i> , 2014, 14, 84-100.	5.8	204
21922	Interactions of fragment ions of tetradecane with solid surfaces. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 341, 48-52.	1.4	0
21923	Novel Carbons: Habits and Oddities. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 681-688.	1.2	5
21925	Three-dimensional polymeric structures of single-wall carbon nanotubes. <i>Journal of Chemical Physics</i> , 2014, 140, 204709.	3.0	8
21926	Synthesis and characterization of carbon nanoparticle films prepared by plasma-based ion implantation. <i>Surface and Interface Analysis</i> , 2014, 46, 961-965.	1.8	1
21927	Decoration of phthalocyanine on multiwalled carbon nanotubes/cellulose nanofibers nanocomposite for decoloration of dye wastewater. <i>Composites Science and Technology</i> , 2014, 101, 11-16.	7.8	22
21928	Conducting Polypyrrole Nanotube Arrays as an Implant Surface: Fabricated on Biomedical Titanium with Fine Tunability by Means of Template-Free Electrochemical Polymerization. <i>ChemPlusChem</i> , 2014, 79, 524-530.	2.8	7
21929	Processing and interfacial reaction evaluation in MWCNT/Ni composites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 1555-1561.	1.8	25
21930	Gas chromatographic determination of polycyclic aromatic hydrocarbons in water and smoked rice samples after solid-phase microextraction using multiwalled carbon nanotube loaded hollow fiber. <i>Journal of Chromatography A</i> , 2014, 1374, 50-57.	3.7	29
21931	Electrochemical Analysis of Acrylamide Using Screen-Printed Carboxylated Single-Walled Carbon Nanotube Electrodes. <i>Electroanalysis</i> , 2014, 26, 1039-1044.	2.9	13
21932	Preparation and catalytic performance of perfluorosulfonic acid-functionalized carbon nanotubes. <i>Chinese Journal of Catalysis</i> , 2014, 35, 1874-1882.	14.0	3

#	ARTICLE	IF	CITATIONS
21933	A Review on the Application of Nonlocal Elastic Models in Modeling of Carbon Nanotubes and Graphenes. Springer Series in Materials Science, 2014, , 57-82.	0.6	16
21934	Influence of injection molding on the electrical properties of polyamide 12 filled with multi-walled carbon nanotubes. Polymer, 2014, 55, 6811-6818.	3.8	35
21935	Structure of helical Nb ₂ O ₅ nanotubes studied by transmission electron microscopy. Surface and Interface Analysis, 2014, 46, 957-960.	1.8	2
21936	A facile synthesis of a novel three-phase nanocomposite: Single-wall carbon nanotube/silver nanohybrid fibers embedded in sulfonated polyaniline. Journal of Applied Polymer Science, 2015, 132, .	2.6	16
21937	Effect of oxygen adsorption on the electrochemical oxidative corrosion of single-walled carbon nanotubes. RSC Advances, 2014, 4, 53833-53836.	3.6	4
21938	Molecular dynamics simulation for arrangement of nickel atoms filled in carbon nanotubes. Journal of Applied Physics, 2014, 116, .	2.5	1
21939	Communication: Origin of the difference between carbon nanotube armchair and zigzag ends. Journal of Chemical Physics, 2014, 140, 091102.	3.0	13
21940	Density functional theory studies of Si ₃₆ H ₃₆ and C ₃₆ H ₃₆ nanocages. International Journal of Quantum Chemistry, 2014, 114, 725-730.	2.0	11
21941	Novel conductive nanocomposites from perfluoropolyether waterborne polyurethanes and carbon nanotubes. Polymers for Advanced Technologies, 2014, 25, 1082-1088.	3.2	12
21942	Carbon Nanotubes and Their Growth Methods. , 2014, 6, 716-728.		102
21943	Capabilities of asymmetric flow field-flow fractionation coupled to multi-angle light scattering to detect carbon nanotubes in soot and soil. Environmental Science: Nano, 2014, 1, 584-594.	4.3	26
21944	Q-switched erbium doped fiber laser using single-walled carbon nanotubes embedded in polyethylene oxide film saturable absorber. Microwave and Optical Technology Letters, 2014, 56, 2734-2737.	1.4	6
21945	Promoting the assembly of carbon onions: An atomistic approach. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 277-287.	1.8	4
21946	High Stability of Faceted Nanotubes and Fullerenes of Multiphase Layered Phosphorus: A Computational Study. Physical Review Letters, 2014, 113, 226801.	7.8	91
21947	Ballistic- and quantum-conductor carbon nanotubes: A reference experiment put to the test. Physical Review B, 2014, 90, .	3.2	9
21948	Theoretical studies of the lithium atom on the silicon carbide nanotubes. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	4
21949	Designed Three-Dimensional Freestanding Single-Crystal Carbon Architectures. ACS Nano, 2014, 8, 11657-11665.	14.6	12
21950	Quantum Study of Amino Acid Bind to Carbon Nanotube in View of Magnetic Properties. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 709-725.	2.1	5

#	ARTICLE	IF	CITATIONS
21951	Encapsulated gadolinium and dysprosium ions within ultra-short carbon nanotubes for MR microscopy at 11.75 and 21.1%T. Contrast Media and Molecular Imaging, 2014, 9, 92-99.	0.8	9
21952	Self-Assembly of Polyaromatic Precursors for 1D and 2D Carbon Structures. ACS Symposium Series, 2014, , 1-16.	0.5	0
21953	Mechanical Properties, Electronic Structures, and Potential Applications in Lithium Ion Batteries: A First-Principles Study toward SnSe ₂ Nanotubes. Journal of Physical Chemistry C, 2014, 118, 28291-28298.	3.1	37
21954	Novel Lu ³⁺ Carbon Paste Electrode Based on Functionalized Multiwalled Carbon Nanotubes. Electroanalysis, 2014, 26, 612-617.	2.9	3
21955	Ruthenium-Based Catalysts for Aerobic Oxidation of Alcohols. RSC Green Chemistry, 2014, , 70-91.	0.1	1
21956	<i>In situ</i> preparation of polyimide/amino-functionalized carbon nanotube composites and their properties. Polymer Composites, 2014, 35, 1952-1959.	4.6	8
21957	Experimental study into the formation of nanodiamonds and fullerenes during cavitation in an ethanol-aniline mixture. Doklady Physics, 2014, 59, 503-506.	0.7	6
21958	Doping effects of manganese on the catalytic performance and structure of NiMgO catalysts for controllable synthesis of multi-walled carbon nanotubes. Journal of Energy Chemistry, 2014, 23, 781-788.	12.9	16
21959	Pine-tree-like morphologies of nitrogen-doped carbon nanotubes: Electron field emission enhancement. Journal of Materials Research, 2014, 29, 2441-2450.	2.6	4
21960	Engineering and Applications of Carbon Materials. , 2014, , 219-525.		22
21961	First principles study on energetic, structural, and electronic properties of defective g-C ₃ N ₄ -zz3 nanotubes. Journal of Theoretical and Computational Chemistry, 2014, 13, 1450021.	1.8	7
21962	Lanthanide-Based Functional Misfit-Layered Nanotubes. Angewandte Chemie - International Edition, 2014, 53, 6920-6924.	13.8	23
21963	Small Band-gap-based CNT for Modeling of Nano Sensor. Procedia Computer Science, 2014, 42, 122-129.	2.0	4
21964	Nonlinear size-dependent behaviour of single-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2014, 117, 1393-1399.	2.3	26
21965	Cyclacenes and short zigzag nanotubes with alternanting Ge-C bonds: theoretical impacts of Ge on the ground state, strain, and band gap. Journal of Physical Organic Chemistry, 2014, 27, 735-746.	1.9	18
21966	Screw-Dislocation-Driven Bidirectional Spiral Growth of Bi ₂ Se ₃ Nanoplates. Angewandte Chemie - International Edition, 2014, 53, 6425-6429.	13.8	92
21967	Anomaly in the electric resistivity of one-dimensional uneven peanut-shaped C ₆₀ polymer film at a low temperature. Applied Physics Letters, 2014, 104, .	3.3	6
21968	Properties and Applications of Polymer Nanocomposites. , 2014, , 1-46.		0

#	ARTICLE	IF	CITATIONS
21969	Electrostatic Layer-by-Layer Assembly of Hierarchical Structure of Multi-Walled Carbon Nanotubes With Glass Fiber Cloth Reinforced Epoxy Composites. <i>Journal of Macromolecular Science - Physics</i> , 2014, 53, 673-682.	1.0	10
21970	Synthesis of carbon nanotubes/polyacrylamide nanocomposites with improved load-carrying capacity and antiwear ability. <i>High Performance Polymers</i> , 2014, 26, 970-977.	1.8	4
21971	Role of functionalized multiwalled carbon nanotubes on mechanical properties of epoxy-based composites at cryogenic temperature. <i>High Performance Polymers</i> , 2014, 26, 922-934.	1.8	14
21972	High-Performance Hybrid (Electrostatic Double-Layer and Faradaic Capacitor-Based) Polymer Actuators Incorporating Nickel Oxide and Vapor-Grown Carbon Nanofibers. <i>Langmuir</i> , 2014, 30, 14343-14351.	3.5	21
21973	High Current Density and Longtime Stable Field Electron Transfer from Large-Area Densely Arrayed Graphene Nanosheetâ€“Carbon Nanotube Hybrids. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21558-21566.	8.0	13
21974	Spin-resolved Fano resonances induced large spin Seebeck effects in graphene-carbon-chain junctions. <i>Applied Physics Letters</i> , 2014, 104, 242412.	3.3	29
21975	Carbon-Based Nanomaterials for Drugs Sensing: A Review. <i>Materials Science Forum</i> , 2014, 807, 13-39.	0.3	3
21976	Continuum Shell Model for Buckling of Single-Walled Carbon Nanotubes with Different Chiral Angles. <i>International Journal of Structural Stability and Dynamics</i> , 2014, 14, 1450006.	2.4	3
21977	Determination of Bisphenol A Using an Electrochemical Sensor Based on a Molecularly Imprinted Polymer-Modified Multiwalled Carbon Nanotube Paste Electrode. <i>Analytical Letters</i> , 2014, 47, 996-1014.	1.8	29
21978	Study on Dielectric Constant and Absorption Coefficient of Coupled Carbon Nanotube Array. <i>Advanced Materials Research</i> , 2014, 1053, 115-121.	0.3	0
21979	Spectroscopic Investigations on the Interaction between Carbon Nanotubes and Catalase on Molecular Level. <i>Journal of Biochemical and Molecular Toxicology</i> , 2014, 28, 211-216.	3.0	15
21980	Carbon Nanodots: Synthesis, Characterization, and Bioanalytical Applications. <i>Bioanalytical Reviews</i> , 2014, , 135-175.	0.2	4
21981	In Situ Synthesized Al ₄ C ₃ Nanorods with Excellent Strengthening Effect in Aluminum Matrix Composites. <i>Advanced Engineering Materials</i> , 2014, 16, 972-975.	3.5	106
21982	Modulating conductivity of Au/CNT composites in THz frequency range: A THz resistor. , 2014, , .		1
21983	Interfacial bond dependence of damping properties of carbon nanotubes enhanced polymers. <i>Polymer Composites</i> , 2014, 35, 548-556.	4.6	14
21984	The new MWCNTsâ€“rhenium nanocomposite. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 2485-2490.	1.5	8
21985	Nanotechnology and Exposure Scenarios. , 2014, , 17-58.		6
21986	Rheological Behaviors of Carbonaceous Materials Suspended in Sodium Alginate Solutions. <i>Advanced Materials Research</i> , 2014, 906, 232-237.	0.3	2

#	ARTICLE	IF	CITATIONS
21987	Physico-Chemical Characteristics of TiO ₂ Derived Nanotube Synthesized by the Hydrothermal Process as a Bioceramic. Key Engineering Materials, 0, 631, 198-201.	0.4	1
21988	3D modeling of CNT networks for sensing applications. , 2014, , .		11
21989	Advantages of flattened electrode in bottom contact single-walled carbon nanotube field-effect transistor. Applied Physics Letters, 2014, 105, .	3.3	7
21990	Direct Alcohol Fuel Cells. , 2014, , .		41
21991	Carbon nanotube dispersed conductive network for microbial fuel cells. Applied Physics Letters, 2014, 105, .	3.3	10
21992	Wearable gas sensor utilising dye-functionalized single-walled carbon nanotubes. , 2014, , .		1
21993	Effect of Growth Temperature on the Diameter Distribution and Yield of Carbon Nanotubes. Environmental Science and Engineering, 2014, , 645-646.	0.2	2
21994	Curvature Elastic Energy Model for Carbon Nanotubes. Advanced Materials Research, 2014, 906, 185-189.	0.3	0
21995	Nitrogen dioxide detection based on MWCNTs/SnO ₂ composites at room temperature. , 2014, , .		1
21996	The effects of deposition methods for metal catalyst formation in carbon nanotubes growth. , 2014, , .		0
21997	"Smart Skin" optical strain sensor using single wall carbon nanotubes. , 2014, , .		4
21998	Vibration of Single-Walled Carbon Nanotubes by Using Nonlocal Theory. American Journal of Mechanical Engineering, 2014, 2, 195-198.	0.4	17
21999	An investigation of single-walled carbon nanotubes bundle dipole antenna at THz frequencies. , 2014, , .		1
22000	Stable Electron Emission from ZnO Nanoemitters Grown with Pseudo-Catalyst. Materials Research Society Symposia Proceedings, 2014, 1707, 56.	0.1	0
22001	Preliminary investigation in optical resonators based on carbon nano-tube and coupling for optoelectronics. , 2014, , .		0
22002	Passively Q-Switched EDFL Using a Multi-Walled Carbon Nanotube Polymer Composite Based on a Saturable Absorber. Chinese Physics Letters, 2014, 31, 034204.	3.3	13
22003	Vacuum filtration based formation of liquid crystal films of semiconducting carbon nanotubes and high performance transistor devices. Nanotechnology, 2014, 25, 175201.	2.6	25
22004	Effect of Amino Multi Walled Carbon Nanotubes Reinforcement on the Flexural Properties of Neat Epoxy. Applied Mechanics and Materials, 0, 592-594, 912-916.	0.2	8

#	ARTICLE	IF	CITATIONS
22005	Research Progress on Carbon Nanotubes Reinforced Cement-Based Materials. Key Engineering Materials, 0, 629-630, 487-493.	0.4	0
22006	Studies on Inter and Intra Molecular Hydrogen Bonding and Morphologies of Single-walled Carbon Nanotubes/polyurethane-amide. Procedia Engineering, 2014, 93, 43-48.	1.2	2
22007	Co/Pt Multilayers on Self-Organized Hexagonal Patterned Nanodots. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	4
22008	Exact stiffness matrix for nonlocal bars embedded in elastic foundation media: the virtual-force approach. Journal of Engineering Mathematics, 2014, 89, 163-176.	1.2	5
22009	Preparation, characterization and analytical application of stannic molybdophosphate immobilized on multiwalled carbon nanotubes as a new adsorbent for the removal of strontium from wastewater. Journal of Radioanalytical and Nuclear Chemistry, 2014, 303, 2445.	1.5	0
22010	Effect of concentration and surface modification of single walled carbon nanotubes on mechanical properties of epoxy composites. Fibers and Polymers, 2014, 15, 2169-2174.	2.1	12
22011	Carbon nanotube mat reinforced thermoplastic composites with a polymerizable, low-viscosity cyclic butylene terephthalate matrix. Macromolecular Research, 2014, 22, 1183-1189.	2.4	8
22012	Grand canonical Monte Carlo simulation of hydrogen physisorption in Li- and K-doped single-walled silicon carbide nanotube. International Nano Letters, 2014, 4, 81-90.	5.0	10
22013	Electrochemical reaction mechanism of phenacetin at a carboxylated multiwall carbon nanotube modified electrode and its analytical applications. Chemical Research in Chinese Universities, 2014, 30, 905-909.	2.6	4
22014	The characterisation of alumina reinforced with carbon nanotube by the mechanical alloying method. Materials Research Innovations, 2014, 18, S3-12-S3-15.	2.3	0
22015	Investigation of extended-gate field-effect transistor pH sensors based on different-temperature-annealed bi-layer MWCNTs-In ₂ O ₃ films. Nanoscale Research Letters, 2014, 9, 502.	5.7	17
22016	Cross-sectional analysis of W-cored Ni nanoparticle via focused ion beam milling with impregnation. Nanoscale Research Letters, 2014, 9, 533.	5.7	5
22017	Quantitative in-situ scanning electron microscope pull-out experiments and molecular dynamics simulations of carbon nanotubes embedded in palladium. Journal of Applied Physics, 2014, 115, 144301.	2.5	15
22018	Photocatalytic property of Ag modified nano-TiO ₂ /carbon nanotube composites for NO ₂ degradation under visible light. Materials Research Innovations, 2014, 18, S2-691-S2-695.	2.3	3
22019	Dynamics of fullerene self-insertion into carbon nanotubes in water. , 2014, , .		1
22020	Influence of polyvinyl pyrrolidone on the dispersion of multi-walled carbon nanotubes in aqueous solution. Russian Journal of Physical Chemistry A, 2014, 88, 2385-2390.	0.6	14
22021	Synthesis of Highly-Ordered V ₂ O ₅ Nanowires by AAO Template and its Electrocatalytic Activity for Dopamine Electro-Oxidation. Materials Science Forum, 2014, 809-810, 187-192.	0.3	0
22022	Preparation and growth mechanism of carbon nanotubes via catalytic pyrolysis of phenol resin. Materials Research Innovations, 2014, 18, 267-272.	2.3	25

#	ARTICLE	IF	CITATIONS
22023	Nanotechnology's Wonder Material: Synthesis of Carbon Nanotubes. RSC Nanoscience and Nanotechnology, 2014, , 26-58.	0.2	2
22024	Effect of graphitic filler size and shape on the microstructure, electrical percolation behavior and thermal properties of nanostructured multilayered carbon films deposited onto paper substrates. Journal of Materials Research, 2014, 29, 472-484.	2.6	7
22025	A Facile Method for Improving the Process of Porous Anodic Aluminum Oxide Film Preparation. Materials Science Forum, 2014, 809-810, 627-630.	0.3	0
22026	First-Principles Study of Interaction of Lithium Atoms with (3, 3) Carbon Nanotubes. Applied Mechanics and Materials, 2014, 687-691, 4311-4314.	0.2	1
22027	Field-Enhancement Factor of a Carbon Nanotube Cold Cathode Triode. Applied Mechanics and Materials, 0, 552, 257-262.	0.2	0
22028	Destruction of Landau levels in asymmetric bilayer nanographene ribbons. Philosophical Magazine, 2014, 94, 2812-2825.	1.6	2
22029	Effect of Milling Time on Microstructure of CNTs/Al5083 Composites Powder by High Energy Milling. Materials Science Forum, 2014, 788, 608-612.	0.3	0
22030	Carbon nanotube fiber's silver hybrid electrical conductors. Materials Letters, 2014, 133, 186-189.	2.6	19
22031	A Review on CNT Reinforced Aluminium and Magnesium Matrix Composites. Applied Mechanics and Materials, 0, 591, 120-123.	0.2	23
22032	Preparation of carbon nanotube ink via organic hydrazine treatment. , 2014, , .		0
22033	Frictionally Excited Thermoelastic Instability (TEI). , 2014, , 1825-1830.		0
22034	Nanobiosensors: Role in Cancer Detection and Diagnosis. Advances in Experimental Medicine and Biology, 2014, 807, 33-58.	1.6	19
22035	Monte Carlo Simulation of the Dispersion of Carbon Nanotubes in Cement Matrix. Applied Mechanics and Materials, 2014, 597, 40-44.	0.2	0
22036	Enhanced hardness and electrical properties of copper nanocomposites reinforced by functionalized MWCNTs. Journal of Composite Materials, 2014, 48, 3485-3497.	2.4	20
22037	Carbon Nanotubes: From Synthesis to Genotoxicity. Nanomedicine and Nanotoxicology, 2014, , 125-152.	0.2	3
22038	Modeling the electromechanical and strain response of carbon nanotube-based nanocomposites. Proceedings of SPIE, 2014, , .	0.8	5
22039	Free-standing carbon nanotube composite sensing skin for distributed strain sensing in structures. , 2014, , .		2
22040	Transparent electrodes for organic optoelectronic devices: a review. Journal of Photonics for Energy, 2014, 4, 040990.	1.3	249

#	ARTICLE	IF	CITATIONS
22041	Mechanical properties of poly(lactic acid)/multiwalled carbon nanotubes nanocomposites. Materials Research Innovations, 2014, 18, S6-14-S6-17.	2.3	24
22042	EFFECTS OF CARBON NANOTUBES ON RAT LIVER AND BRAIN. Nano, 2014, 09, 1450083.	1.0	1
22043	Growth and microstructural investigation of multiwall carbon nanotubes fabricated using electrodeposited nickel nanodeposits and chemical vapor deposition method. Journal of Molecular Structure, 2014, 1074, 250-254.	3.6	14
22044	Preparation and characterization of polyamide 6 nanocomposites using MWCNTs based on bimetallic Co-Mo/MgO catalyst. EXPRESS Polymer Letters, 2014, 8, 177-186.	2.1	14
22045	Effect of Injection Conditions on the Electrical Conductivity of MWCNTs/PC Conductive Composites. Advanced Materials Research, 0, 983, 105-109.	0.3	1
22046	The Effect of Co/Pd MgO Supported Catalyst Calcination Temperature on the Yield and Morphology of CNTs via Methane Decomposition. Advanced Materials Research, 2014, 983, 148-151.	0.3	3
22047	Electric Double Layer Capacitor of Multiwall Carbon Nanotubes under Different Degree of Acid Oxidations. Materials Science Forum, 0, 802, 186-191.	0.3	0
22048	Carbon-based smart nanomaterials in biomedicine and neuroengineering. Beilstein Journal of Nanotechnology, 2014, 5, 1849-1863.	2.8	79
22049	Development and Evaluation of a New Fluorinated Double-Wall Carbon Nanotube HPLC Stationary Phase. Chromatographia, 2014, 77, 1257-1265.	1.3	14
22050	Influence of carbon nanotubes with preloaded and coexisting dissolved organic matter on the bioaccumulation of polycyclic aromatic hydrocarbons to <i>Chironomus plumosus</i> larvae in sediment. Environmental Toxicology and Chemistry, 2014, 33, 182-189.	4.3	19
22051	Morphology of Irradiated Adjacent Single-Walled Carbon Nanotubes. Applied Mechanics and Materials, 0, 553, 88-93.	0.2	0
22052	Rectifying performance and negative differential behavior in graphite"chain"carbon nanotube junctions. Applied Physics Letters, 2014, 104, .	3.3	15
22053	Research Progress in Preparation of Carbon Nanotubes. Applied Mechanics and Materials, 2014, 488-489, 133-136.	0.2	0
22054	Investigation on Mechanical Properties of Nano Ferrous Composite. Procedia Engineering, 2014, 97, 513-521.	1.2	12
22055	The Raman Properties of Ag Doped ZnO Microrods Synthesized by Chemical Vapour Deposition. Advanced Materials Research, 0, 941-944, 391-394.	0.3	0
22056	Geometric measures of finite carbon nanotube molecules: a proposal for length index and filling indexes. Pure and Applied Chemistry, 2014, 86, 489-495.	1.9	55
22057	Influence of Injection Conditions on the Mechanical Property of MWCNTs/ PC Nanocomposites. Advanced Materials Research, 0, 983, 94-98.	0.3	1
22058	Catalytic Properties of Ni/CNTs and Ca-Promoted Ni/CNTs for Methanation Reaction of Carbon Dioxide. Advanced Materials Research, 0, 924, 217-226.	0.3	7

#	ARTICLE	IF	CITATIONS
22059	Electron field emission characteristics of boron nanowires grown by ultralow pressure CVD. Japanese Journal of Applied Physics, 2014, 53, 11RE03.	1.5	2
22060	Thermoelectric Properties of Carbon Nanotubes and Related One-Dimensional Structures. Lecture Notes in Nanoscale Science and Technology, 2014, , 363-391.	0.8	0
22061	Experimental Analysis of the Long Carbon Nanotubes Formation from Controllable Flame. Advanced Materials Research, 0, 1048, 383-386.	0.3	0
22062	Wave Propagation Analysis for Fluid-Filled Single-Walled Carbon Nanotubes Based on Analytically Nonlocal Euler-Bernoulli Beam Model. Advanced Materials Research, 0, 875-877, 917-922.	0.3	0
22063	Influence of Carbon Source for Carbon Nanotubes Synthesis from Controllable Flame. Advanced Materials Research, 0, 1048, 410-413.	0.3	0
22064	Multi-Walled Carbon Nanotubes Chemically Modified by Cobalt Tetraaminophthalocyanines with Excellent Electrocatalytic Activity to Li/SOCl_2 Battery. Journal of the Electrochemical Society, 2014, 161, H941-H949.	2.9	18
22065	B/N pair and Si doped ultra-small-diameter single-walled carbon nanotubes: a density functional theory study. Physica Scripta, 2014, 89, 115807.	2.5	2
22066	Focused ion beam as a tool for graphene technology: Structural study of processing sequence by electron microscopy. Japanese Journal of Applied Physics, 2014, 53, 02BC22.	1.5	3
22067	Construction of Supramolecular Systems for the Selective and Quantitative Determination of Dopamine in the Presence of Ascorbic Acid. Procedia Chemistry, 2014, 12, 55-61.	0.7	3
22068	Porous Carbons for Carbon Dioxide Capture. Green Chemistry and Sustainable Technology, 2014, , 15-77.	0.7	12
22069	Energetics and electronic structures of C_{60} included within [15]cyclacene molecules: Formation processes and dynamical property of C_{60} . Japanese Journal of Applied Physics, 2014, 53, 06JD06.	1.5	4
22070	The Thermal Instability Analysis of Functionally Graded Carbon Nanotube Composite Plates Using Finite Element Method. Applied Mechanics and Materials, 0, 695, 285-288.	0.2	2
22071	Synthesis of carbon nanotubes and nanotube forests on copper catalyst. Materials Research Express, 2014, 1, 035040.	1.6	11
22072	Absorption Spectrum of Carbon Nanotubes. Applied Mechanics and Materials, 2014, 633-634, 3-6.	0.2	0
22073	Nanobuds promote heat welding of carbon nanotubes at experimentally-relevant temperatures. RSC Advances, 2014, 4, 56313-56317.	3.6	6
22074	Single-Walled Carbon Nanotube Growth with Narrow Diameter Distribution from Pt Catalysts by Alcohol Gas Source Method. Materials Research Society Symposia Proceedings, 2014, 1659, 107-112.	0.1	0
22075	Hexagonal Representative Volume Element for Modeling and Analysis of Mechanical Properties of Carbon Nanotube Reinforced Composites. Applied Mechanics and Materials, 0, 496-500, 251-254.	0.2	4
22076	Reliability of carbon nanotube bumps for chip on glass application. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
22077	Mechanical Properties and Toughening Mechanisms of Multi-Walled Carbon Nanotube Reinforced Yttria-Stabilized Zirconia Composite. Advanced Materials Research, 0, 1052, 24-27.	0.3	2
22078	A Numerical Evaluation of the Influence of Atomic Modifications on the Elastic and Shear Behavior of Connected Carbon Nanotubes with Parallel Longitudinal Axes. Journal of Nano Research, 0, 29, 93-104.	0.8	3
22079	Development of a new multi-walled carbon nanotube (MWCNT) aerosol generation and exposure system and confirmation of suitability for conducting a single-exposure inhalation study of MWCNT in rats. Nanotoxicology, 2014, 8, 169-178.	3.0	35
22080	Study on the Mechanical Property of CNTs/Silk Fibroin Composite Fiber. Advanced Materials Research, 2014, 1004-1005, 577-580.	0.3	0
22081	Synthesis and Evaluation of Fe Nanowire and Nanorod by Electro-Chemical Process. Key Engineering Materials, 2014, 616, 237-241.	0.4	0
22082	Surface Modification of Multiwalled Carbon Nanotubes with Engineered Self-Assembled RAFT Diblock Coatings. Australian Journal of Chemistry, 2014, 67, 151.	0.9	7
22083	Post-Electrophoretic Deposition Electrochemical Separation (PEPDECS): Optimization of the Fabrication of Freestanding Carbon Nanotube Films. ECS Journal of Solid State Science and Technology, 2014, 3, M71-M75.	1.8	2
22084	Liquid Crystalline 1D and 2D Carbon Materials. Nanoscience and Technology, 2014, , 69-99.	1.5	2
22085	Electrical and Thermal Conductivity. The International Cryogenics Monograph Series, 2014, , 131-168.	0.1	2
22086	Mechanical Properties of Carbon Nanotubes and Graphene. , 2014, , 165-200.		5
22087	Characteristics and Applications of Carbon Nanotubes with Different Numbers of Walls. , 2014, , 313-339.		5
22088	Carbon Nanotubes: An Emerging Drug Carrier for Targeting Cancer Cells. Journal of Drug Delivery, 2014, 2014, 1-23.	2.5	160
22089	Numerical Simulation of the Vibration Behavior of Curved Carbon Nanotubes. Advances in Materials Science and Engineering, 2014, 2014, 1-9.	1.8	13
22090	STUDYING THE STABILITY OF AQUEOUS SUSPENSIONS OF MULTIWALLED CARBON NANOTUBES USED FOR THE MODIFICATION OF COMPOSITE MATERIALS. Engineering Structures and Technologies, 2014, 6, 62-68.	0.1	0
22091	Plasma Enhanced Chemical Vapor Deposition Time Effect on Multi-Wall Carbon Nanotube Growth Using C ₂ H ₂ and H ₂ as Precursors. Advanced Materials Research, 2014, 938, 58-62.	0.3	4
22092	Analytical model for predicting the interfacial stresses of carbon nanotubes-reinforced nanocomposites. Engineering Computations, 2014, 31, 353-364.	1.4	9
22093	Reinforcement of surface-modified multi-walled carbon nanotubes on cement-based composites. Advances in Cement Research, 2014, 26, 77-84.	1.6	11
22094	Tapered plastic optical fiber coated with single wall carbon nanotubes polyethylene oxide composite for measurement of uric acid concentration. Sensor Review, 2014, 34, 75-79.	1.8	9

#	ARTICLE	IF	CITATIONS
22095	Effects of multi-walled carbon nanotubes on the physical and mechanical properties of high-density polyethylene/wood flour nanocomposites. Journal of Thermoplastic Composite Materials, 2014, 27, 1139-1154.	4.2	20
22096	3. Functionalization of carbon nanotubes. , 2014, , 43-70.		4
22097	4. The importance of defects and dopants within carbon nanomaterials during the fabrication of polymer composites. , 2014, , 71-122.		0
22098	3. Synthesis, functionalization and properties of fullerenes and graphene materials. , 2014, , 37-60.		0
22099	Dynamic Characteristics of Carbon Nanotube Reinforced Epoxy Resin Composite Materials. Applied Mechanics and Materials, 0, 584-586, 1400-1406.	0.2	0
22100	Preparation and Characterization of Carbon Nanofibers from the High Temperature Controllable Flame. Advanced Materials Research, 2014, 1033-1034, 1086-1089.	0.3	0
22101	Carbon Nanotubes as a Nonlinear Buckled Beam for Nanoelectromechanical Systems. Advanced Materials Research, 0, 1082, 535-538.	0.3	1
22102	Carbon nanotubes in an inhomogeneous transverse magnetic field: exactly solvable model. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 115307.	2.1	14
22103	Optical properties of TiO ₂ nanotube arrays fabricated by the electrochemical anodization method. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 015004.	1.5	12
22104	Ultralow percolation threshold of single walled carbon nanotube-epoxy composites synthesized via an ionic liquid dispersant/initiator. Materials Research Express, 2014, 1, 035013.	1.6	11
22105	Low temperature synthesis and optical property of ZnS nanotubes. Journal of Experimental Nanoscience, 2014, 9, 161-166.	2.4	4
22106	Carbon nanotube“polyaniline composites. Progress in Polymer Science, 2014, 39, 707-748.	24.7	266
22107	Synergistic effect of three-dimensional multi-walled carbon nanotube“graphene nanofiller in enhancing the mechanical and thermal properties of high-performance silicone rubber. Polymer International, 2014, 63, 1219-1228.	3.1	107
22108	Modification of carbon nanotubes with cationic surfactant and its application for removal of direct dyes. Desalination and Water Treatment, 2014, 52, 4356-4368.	1.0	17
22109	Carbon Nanotube Fiber Doping. , 2014, , 289-311.		1
22110	Transition from Tubes to Sheets“ A Comparison of the Properties and Applications of Carbon Nanotubes and Graphene. , 2014, , 519-568.		2
22111	Three-dimensional Nanotube Networks and a New Horizon of Applications. , 2014, , 457-493.		2
22112	A Review on the Design of Superstrong Carbon Nanotube or Graphene Fibers and Composites. , 2014, , 495-518.		0

#	ARTICLE	IF	CITATIONS
22113	Aligned Carbon Nanotube Composite Prepregs. , 2014, , 649-670.		2
22114	A cellulose acetate/multi-walled carbon nanotube mixed matrix membrane for CO ₂ /N ₂ separation. Journal of Membrane Science, 2014, 451, 55-66.	8.2	181
22115	Influence of Surfactant Modification on Structure and Properties of CNT Hybrid Multiscale Composites. Macromolecular Materials and Engineering, 2014, 299, 344-352.	3.6	10
22116	A Printable CNT-Based FM Passive Wireless Sensor Tag on a Flexible Substrate With Enhanced Sensitivity. IEEE Sensors Journal, 2014, 14, 1193-1197.	4.7	17
22117	The new JEOL JEM-ARM200CF at the University of Illinois at Chicago. Crystal Research and Technology, 2014, 49, 653-662.	1.3	10
22118	Nanomechanical Analysis of High Performance Materials. Solid Mechanics and Its Applications, 2014, , .	0.2	9
22119	Vibration and instability of a single-walled carbon nanotube in a three-dimensional magnetic field. Journal of Physics and Chemistry of Solids, 2014, 75, 15-22.	4.0	65
22120	Removal of Heavy Metals from Wastewater Using Carbon Nanotubes. Separation and Purification Reviews, 2014, 43, 311-338.	5.5	240
22121	Nanotubes from Chalcogenide Misfit Compounds: SnS and NbPbS. Accounts of Chemical Research, 2014, 47, 406-416.	15.6	40
22122	Carbon Nanotube Sheet. , 2014, , 349-387.		3
22123	Room-Temperature Ionic Liquid and Multi-Walled Carbon Nanotube Composite Modified Carbon-Ceramic Electrode as a Sensitive Voltammetric Sensor for Indomethacin. Analytical Letters, 2014, 47, 134-145.	1.8	4
22124	Adsorption by Active Carbons. , 2014, , 321-391.		13
22125	Introduction to Fiber Materials. , 2014, , 1-32.		0
22126	Dual nature, self oxidized poly(o-anisidine) functionalized multiwall carbon nanotubes composite: Preparation, thermal and electrical studies. Composites Part B: Engineering, 2014, 58, 451-456. Growth mechanisms and selectivity for graphene or carbon nanotube formation on SiC ($\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf}$)	12.0	38
22127		2.6	8
22128	Sub-100ns passively Q-switched Nd:LuAG laser with multi-walled carbon nanotube. Optics and Laser Technology, 2014, 64, 7-10.	4.6	19
22129	Functionalization of silicon carbide nanotube by dichlorocarbene: A density functional theory study. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 56, 377-385.	2.7	7
22130	Controllable synthesis of single- and double-walled carbon nanotubes from petroleum coke and their application to solar cells. Carbon, 2014, 68, 511-519.	10.3	29

#	ARTICLE	IF	CITATIONS
22131	Effect of different chemical modification of carbon nanotubes for the oxygen reduction reaction in alkaline media. <i>Electrochimica Acta</i> , 2014, 135, 428-438.	5.2	32
22132	Amperometric xanthine biosensors based on chitosan-Co ₃ O ₄ -multiwall carbon nanotube modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 200, 83-91.	7.8	65
22133	Prerequisites for achieving gold adsorption by multiwalled carbon nanotubes in gold recovery. <i>Chemical Engineering Science</i> , 2014, 107, 58-65.	3.8	40
22134	Carbon nanotube-based substrates for modulation of human pluripotent stem cell fate. <i>Biomaterials</i> , 2014, 35, 5098-5109.	11.4	29
22135	Nonlinear and quasi-linear behavior of a curved carbon nanotube vibrating in an electric force field; an analytical approach. <i>Acta Mechanica Solida Sinica</i> , 2014, 27, 97-110.	1.9	17
22136	Improving toughness of ultra-high molecular weight polyethylene with ionic liquid modified carbon nanofiber. <i>Polymer</i> , 2014, 55, 160-165.	3.8	17
22137	Synthesis of hierarchical linearly assembled graphitic carbon nanoparticles via catalytic graphitization in SBA-15. <i>Carbon</i> , 2014, 75, 95-103.	10.3	28
22138	An amperometric hydrogen peroxide biosensor based on Co ₃ O ₄ nanoparticles and multiwalled carbon nanotube modified glassy carbon electrode. <i>Applied Surface Science</i> , 2014, 311, 139-146.	6.1	63
22139	First-principle study on the X (X=N, P, As, Sb) doped (9,0) single-walled SiC nanotubes. <i>Physica B: Condensed Matter</i> , 2014, 447, 56-61.	2.7	14
22140	Electrochemical behaviour of different redox probes on single wall carbon nanotube buckypaper-modified electrodes. <i>Electrochimica Acta</i> , 2014, 135, 404-411.	5.2	18
22141	Square- and hexa-cross sectional carbon and boron-nitride nanoneedles – A theoretical study. <i>Computational and Theoretical Chemistry</i> , 2014, 1027, 1-4.	2.5	1
22142	Adsorption and transport of gases in a supported microporous silica membrane. <i>Journal of Membrane Science</i> , 2014, 460, 46-61.	8.2	21
22143	Hydrogen peroxide reduction in the oxygen vacancies of ZnO nanotubes. <i>Thin Solid Films</i> , 2014, 556, 566-570.	1.8	42
22144	Enhancement of electrochemical properties through high-temperature treatment of CNF grown on ACF support for PEMFC. <i>Electrochimica Acta</i> , 2014, 134, 49-54.	5.2	16
22145	Determination of scandium in acid mine drainage by ICP-OES with flow injection on-line preconcentration using oxidized multiwalled carbon nanotubes. <i>Talanta</i> , 2014, 124, 89-94.	5.5	36
22146	Performance of a portable biosensor for the analysis of ethion residues. <i>Talanta</i> , 2014, 119, 467-472.	5.5	39
22147	Numerical validation of a concurrent atomistic-continuum multiscale method and its application to the buckling analysis of carbon nanotubes. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014, 270, 220-246.	6.6	16
22148	Rapid and economical synthesis of magnetic multiwalled carbon nanotube/iron oxide composite and its application in preconcentration of U(VI). <i>Journal of Molecular Liquids</i> , 2014, 195, 92-98.	4.9	20

#	ARTICLE	IF	CITATIONS
22149	Reduced thermal conductivity of isotope substituted carbon nanomaterials: Nanotube versus graphene nanoribbon. <i>Chemical Physics Letters</i> , 2014, 599, 154-158.	2.6	22
22150	Quantitative characterization of acidic groups on acid-treated multi-walled carbon nanotubes using 1-aminopyrene as a fluorescent probe. <i>Carbon</i> , 2014, 66, 560-566.	10.3	10
22151	Growth of linear Ni-filled carbon nanotubes by local arc discharge in liquid ethanol. <i>Applied Surface Science</i> , 2014, 292, 39-43.	6.1	20
22152	Effect of incorporating carbon nanotubes into electrolyte on surface morphology of micro arc oxidized Cp-Ti. <i>Applied Surface Science</i> , 2014, 318, 10-14.	6.1	34
22153	Influence of antisite defect upon decomposition of nitrous oxide over graphene-analogue SiC. <i>Thin Solid Films</i> , 2014, 552, 111-115.	1.8	28
22154	Enhanced performance of CNT/SnO ₂ thick film gas sensors towards hydrogen. <i>Materials Chemistry and Physics</i> , 2014, 147, 79-85.	4.0	69
22155	Filled cobalt nanoparticles into carbon nanotubes as a rapid and high-efficiency catalyst for selective epoxidation of styrene with molecular oxygen. <i>Chemical Engineering Journal</i> , 2014, 237, 81-87.	12.7	36
22156	Carbon nanotube surface-induced crystallization of polyethylene terephthalate (PET). <i>Polymer</i> , 2014, 55, 642-650.	3.8	36
22157	Facile coating carbon nanotubes with metal oxide nanoparticles of controlled size. <i>Chemical Physics Letters</i> , 2014, 605-606, 35-37.	2.6	4
22158	Structural properties of a hypothetical H ₆ -Boron with three-dimensional all sp ² network. <i>Solid State Communications</i> , 2014, 177, 50-53.	1.9	1
22159	Coming to grips with scientific ignorance in the governance of endocrine disrupting chemicals and nanoparticles. <i>Environmental Science and Policy</i> , 2014, 38, 154-163.	4.9	6
22160	Investigating the influence of surface deviations in double walled carbon nanotube based nanomechanical sensors. <i>Computational Materials Science</i> , 2014, 89, 157-164.	3.0	26
22161	High performance of CNT-interconnects by the multi-layer structure. <i>Microelectronics Reliability</i> , 2014, 54, 778-784.	1.7	5
22162	Bi-template synthesis of carbon nanostructures using bamboo as both the template and the carbon source. <i>Materials Research Bulletin</i> , 2014, 51, 366-371.	5.2	18
22163	Specific heat of doped armchair and zigzag carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 56, 326-330.	2.7	6
22164	Structural and electronic properties of copper nanowires inside zigzag carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2014, 447, 77-82.	2.7	2
22165	Spin filtering effect and magnetoresistance in zigzag 6, 6, 12-graphyne nanoribbon system. <i>Carbon</i> , 2014, 76, 175-182.	10.3	51
22166	Analytical study of electronic quantum transport in carbon-based nanomaterials. <i>Diamond and Related Materials</i> , 2014, 47, 7-14.	3.9	12

#	ARTICLE	IF	CITATIONS
22167	New developments in the growth of 4 Angstrom carbon nanotubes in linear channels of zeolite template. Carbon, 2014, 76, 401-409.	10.3	10
22168	Metal catalyst-free mist flow chemical vapor deposition growth of single-wall carbon nanotubes using C60 colloidal solutions. Carbon, 2014, 68, 80-86.	10.3	12
22169	Characterization of multiwalled carbon nanotube-polymethyl methacrylate composite resins as denture base materials. Journal of Prosthetic Dentistry, 2014, 111, 318-326.	2.8	57
22170	polyethyleneimine wrapped carbon nanotubes in situ formed gold nanoparticles decorated with DNA and NAD ⁺ as a novel bioelectrochemical sensing platform. Electrochimica Acta, 2014, 133, 82-92.	5.2	12
22171	Low-dimensional carbonaceous nanofiller induced polymer crystallization. Progress in Polymer Science, 2014, 39, 555-593.	24.7	140
22172	Effect of chirality, length and diameter of carbon nanotubes on the adsorption of 20 amino acids: a molecular dynamics simulation study. Molecular Simulation, 2014, 40, 392-398.	2.0	33
22173	Multi-walled carbon nanotubes added to Na ₂ CO ₃ /MgO composites for thermal energy storage. Particuology, 2014, 15, 56-60.	3.6	96
22174	Transmission Electron Microscopy and the Science of Carbon Nanomaterials. Small, 2014, 10, 222-229.	10.0	26
22175	A Review on the Use and Stability of Supported Liquid Membranes in the Pervaporation Process. Separation and Purification Reviews, 2014, 43, 62-88.	5.5	24
22176	Fabrication and modification of cellulose acetate based mixed matrix membrane: Gas separation and physical properties. Journal of Industrial and Engineering Chemistry, 2014, 20, 1050-1060.	5.8	76
22177	Strengthening of semicoke based carbon composites through multi-wall carbon nanotubes. Applied Nanoscience (Switzerland), 2014, 4, 601-611.	3.1	8
22178	Interfacing carbon nanotubes (CNT) with plants: enhancement of growth, water and ionic nutrient uptake in maize (Zea mays) and implications for nanoagriculture. Applied Nanoscience (Switzerland), 2014, 4, 577-591.	3.1	254
22179	Electronic and transport properties of boron and nitrogen doped graphene nanoribbons: an ab initio approach. Applied Nanoscience (Switzerland), 2014, 4, 461-467.	3.1	42
22180	Atomic force microscope manipulation of multiwalled and single walled carbon nanotubes with reflux and ultrasonic treatments. Applied Nanoscience (Switzerland), 2014, 4, 19-26.	3.1	12
22181	Homogenization of a graphene sheet. Continuum Mechanics and Thermodynamics, 2014, 26, 95-113.	2.2	19
22182	A theoretical study on surface modification of a nanosized BC ₃ tube using C ₂ H ₄ and its derivatives. Structural Chemistry, 2014, 25, 221-229.	2.0	12
22183	Supramolecular self-assembly and nanoencapsulation of [60]fullerene by bis-β-cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 79, 215-223.	1.6	10
22184	Capture of carbon dioxide by a nanosized tube of BeO: a DFT study. Structural Chemistry, 2014, 25, 419-426.	2.0	20

#	ARTICLE	IF	CITATIONS
22185	DFT studies of functionalized zigzag and armchair boron nitride nanotubes as nanovectors for drug delivery of collagen amino acids. Structural Chemistry, 2014, 25, 293-300.	2.0	32
22186	The effects of engineered nanoparticles on the cellular structure and growth of <i>Saccharomyces cerevisiae</i> . Nanotoxicology, 2014, 8, 363-373.	3.0	40
22187	A Facile Molten-Salt Route to Graphene Synthesis. Small, 2014, 10, 193-200.	10.0	224
22188	Chinese medicine single-walled carbon nanotube targeting compound for antitumor therapy: A feasible way?. Chinese Journal of Integrative Medicine, 2014, 20, 63-67.	1.6	2
22189	Mechanical property characterization of carbon nanotube modified polymeric nanocomposites by computer modeling. Composites Part B: Engineering, 2014, 56, 100-108.	12.0	33
22190	Alkali metal ions on a nanosized tube of BC ₂ N: Computational study. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 56, 90-95.	2.7	0
22191	Effect of doping in carbon nanotubes on the viability of biomimetic chitosan-carbon nanotubes-hydroxyapatite scaffolds. Journal of Biomedical Materials Research - Part A, 2014, 102, 3341-3351.	4.0	20
22192	Nanoparticles in the supramolecular order of discotic liquid crystals. Liquid Crystals, 2014, 41, 353-367.	2.2	28
22193	A novel quantum dot nanocluster as versatile probe for electrochemiluminescence and electrochemical assays of DNA and cancer cells. Biosensors and Bioelectronics, 2014, 52, 69-75.	10.1	61
22194	Modification of carboxylated multiwall nanotubes with benzotriazole derivatives and study of their anticancer activities. Medicinal Chemistry Research, 2014, 23, 487-495.	2.4	25
22195	Synthesis and characterization of graphene and carbon nanotubes: A review on the past and recent developments. Journal of Industrial and Engineering Chemistry, 2014, 20, 1171-1185.	5.8	307
22196	Multiwalled carbon nanotube impregnated with tartrazine: Solid phase extractant for Cd(II) and Pb(II). Journal of Industrial and Engineering Chemistry, 2014, 20, 581-585.	5.8	42
22197	Highly active PdCeO composite catalysts for low-temperature CO oxidation, prepared by plasma-arc synthesis. Applied Catalysis B: Environmental, 2014, 147, 132-143.	20.2	119
22198	Dynamic patterns of technological convergence in printed electronics technologies: patent citation network. Scientometrics, 2014, 98, 975-998.	3.0	90
22199	Carbon nanoparticles-induced formation of polyaniline nanofibers and their subsequent decoration with Ag nanoparticles for nonenzymatic H ₂ O ₂ detection. Russian Journal of Electrochemistry, 2014, 50, 95-99.	0.9	5
22200	DFT study on the adsorption and dissociation of hydrogen sulfide on MgO nanotube. Structural Chemistry, 2014, 25, 495-501.	2.0	13
22201	Density-functional calculations of HCN adsorption on the pristine and Si-doped graphynes. Structural Chemistry, 2014, 25, 1-7.	2.0	79
22202	Use of LCA as a development tool within early research: challenges and issues across different sectors. International Journal of Life Cycle Assessment, 2014, 19, 130-143.	4.7	175

#	ARTICLE	IF	CITATIONS
22203	Synthesis, Characterization and Properties of Single-Walled Carbon Nanohorns. <i>Journal of Cluster Science</i> , 2014, 25, 173-188.	3.3	15
22204	Investigation of nanomechanical properties of multilayered hybrid nanocomposites. <i>Meccanica</i> , 2014, 49, 2645-2655.	2.0	11
22205	Encapsulation behaviours of nanoparticles entering two-section carbon nanotubes. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 489-503.	1.5	4
22206	Interaction of removal Ethidium Bromide with Carbon Nanotube: Equilibrium and Isotherm studies. <i>Journal of Environmental Health Science & Engineering</i> , 2014, 12, 17.	3.0	22
22207	Trends in nanoscience, nanotechnology, and carbon nanotubes: a bibliometric approach. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	15
22208	Siloxane core dianhydride modified ether linked cyclohexyl diamine based multi-walled carbon nanotube reinforced polyimide (MWCNT/PI) nanocomposites. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	19
22209	High stability silver nanoparticlesâ€“graphene/poly(ionic liquid)-based chemoresistive sensors for volatile organic compoundsâ€™ detection. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3995-4004.	3.7	50
22210	Modification of well-aligned carbon nanotubes with dihexadecyl hydrogen phosphate: application to highly sensitive nanomolar detection of simvastatin. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 263-277.	2.9	10
22211	Offset configurations for single- and double-strand DNA inside single-walled carbon nanotubes. <i>European Biophysics Journal</i> , 2014, 43, 25-33.	2.2	3
22212	Micelle-encapsulated multi-wall carbon nanotubes with photosensitive copolymer and its application in the detection of dopamine. <i>Colloid and Polymer Science</i> , 2014, 292, 153-161.	2.1	8
22213	Symmetries and fuzzy symmetries of Carbon nanotubes. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 313-354.	1.5	2
22214	The photoresponse and photoconductivity of micron-sized C60 whiskers and sub-millimeter-sized C60 clusters. <i>Optoelectronics Letters</i> , 2014, 10, 47-50.	0.8	2
22215	Preparation and properties of single-walled carbon nanotubes/poly(butylene terephthalate) nanocomposites. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 53-58.	2.4	38
22216	Characterization of an assortment of commercially available multiwalled carbon nanotubes. <i>Mikrochimica Acta</i> , 2014, 181, 171-179.	5.0	4
22217	Mercuric chloride adsorption on sulfur-containing BC2N nanotube: toward HSAB concept. <i>Structural Chemistry</i> , 2014, 25, 1091-1097.	2.0	8
22218	Preparation and characterization of size-controlled silver nanoparticles decorated multi-walled carbon nanotubes and their electrocatalytic reduction properties for hydrogen peroxide. <i>Russian Journal of Electrochemistry</i> , 2014, 50, 476-481.	0.9	8
22219	Role of sodium decoration on the methane storage properties of BC3 nanosheet. <i>Structural Chemistry</i> , 2014, 25, 1083-1090.	2.0	36
22220	Finite element modelling of the mechanics of discrete carbon nanotubes filled with ZnS and comparison with experimental observations. <i>Journal of Materials Science</i> , 2014, 49, 648-653.	3.7	2

#	ARTICLE	IF	CITATIONS
22221	Synthesis and electrochemical characterization of sol-gel-derived RuO ₂ /carbon nanotube composites. Journal of Solid State Electrochemistry, 2014, 18, 993-1003.	2.5	7
22222	Synthesis and characterization of Ag ₃ PO ₄ /multiwalled carbon nanotube composite photocatalyst with enhanced photocatalytic activity and stability under visible light. Journal of Materials Science, 2014, 49, 1585-1593.	3.7	59
22223	Estimation of mechanical properties of nanomaterials using artificial intelligence methods. Applied Physics A: Materials Science and Processing, 2014, 116, 1099-1107.	2.3	31
22224	First-principles study of graphyne on SiO ₂ . Applied Physics A: Materials Science and Processing, 2014, 116, 817-821.	2.3	5
22225	Enhancing dispersion of halloysite nanotubes via chemical modification. Physics and Chemistry of Minerals, 2014, 41, 281-288.	0.8	58
22226	Rapid-manufacturing of micro-structured devices based on MWCNTs/PP composites by using hot embossing replication process. Microsystem Technologies, 2014, 20, 1919-1924.	2.0	3
22227	Investigation of ab initio density functional theory for determining structural and electronic properties of multi-wall beryllium monoxide nanotubes. Indian Journal of Physics, 2014, 88, 381-384.	1.8	4
22228	A review of production methods of carbon nanotube and graphene thin films for electrothermal applications. Nanoscale, 2014, 6, 3037.	5.6	181
22229	Nonlinear bending analysis of orthotropic nanoscale plates in an elastic matrix based on nonlocal continuum mechanics. Composite Structures, 2014, 111, 85-97.	5.8	55
22230	Fabrication of carbon nanotube-nickel nanoparticle hybrid paste electrodes for electrochemical sensing of carbohydrates. Sensors and Actuators B: Chemical, 2014, 192, 459-466.	7.8	33
22231	Broadband Few-Layer MoS ₂ Saturable Absorbers. Advanced Materials, 2014, 26, 3538-3544.	21.0	645
22232	Microstructural and mechanical behavior of multi-walled carbon nanotubes reinforced Al-Mg-Si alloy composites in aging treatment. Carbon, 2014, 72, 15-21.	10.3	70
22233	Hybrid carbon nanotube-silica/ polyvinyl alcohol nanocomposites films: preparation and characterisation. Journal of Polymer Research, 2014, 21, 1.	2.4	27
22234	Ultrasound irradiation: A robust approach for direct functionalization of graphene oxide with thermal and antimicrobial aspects. Ultrasonics Sonochemistry, 2014, 21, 1407-1416.	8.2	45
22235	Preparation of an ionic liquid-mediated carbon nanotube-poly(dimethylsiloxane) fiber by sol-gel technique for determination of polycyclic aromatic hydrocarbons in urine samples using head-space solid-phase microextraction coupled with gas chromatography. Journal of the Iranian Chemical Society, 2014, 11, 969-977.	2.2	17
22236	A possible superhard orthorhombic carbon. Diamond and Related Materials, 2014, 43, 49-54.	3.9	27
22237	A study on thermal conductivity of electroless Ni-B plated multi-walled carbon nanotubes-reinforced composites. Journal of Industrial and Engineering Chemistry, 2014, 20, 3421-3424.	5.8	29
22238	Preparation and physico-mechanical properties of amine-functionalized graphene/polyamide 6 nanocomposite fiber as a high performance material. RSC Advances, 2014, 4, 4848.	3.6	57

#	ARTICLE	IF	CITATIONS
22239	A Review of Organic and Inorganic Biomaterials for Neural Interfaces. <i>Advanced Materials</i> , 2014, 26, 1846-1885.	21.0	456
22240	A new understanding of carbon nanotube growth: Activation and deactivation of a catalyst. <i>Applied Surface Science</i> , 2014, 298, 221-224.	6.1	11
22241	Dispersible Carbon Nanotubes. <i>Chemistry - A European Journal</i> , 2014, 20, 1210-1217.	3.3	17
22242	Bio-based hyperbranched polyurethane/multi-walled carbon nanotube nanocomposites as shape memory materials. <i>Polymer Composites</i> , 2014, 35, 636-643.	4.6	10
22243	A density functional study on the acidity properties of pristine and modified SiC nano-sheets. <i>Physica B: Condensed Matter</i> , 2014, 443, 54-59.	2.7	36
22244	Water dispersed multi-walled carbon nanotubes modified by tannin acid. <i>Materials Letters</i> , 2014, 123, 44-47.	2.6	11
22245	A study on electrodeposition of Ni-noncovalently treated carbon nanotubes nanocomposite coatings with desirable mechanical and anti-corrosion properties. <i>Surface and Coatings Technology</i> , 2014, 248, 63-73.	4.8	36
22246	Carbon tubules containing nanocrystalline SiC produced by the graphitization of sugar cane bagasse. <i>Carbon</i> , 2014, 68, 814-817.	10.3	1
22247	Quantum chemical simulations reveal acetylene-based growth mechanisms in the chemical vapor deposition synthesis of carbon nanotubes. <i>Carbon</i> , 2014, 72, 22-37.	10.3	47
22249	Decoupling reduction-sulfurization synthesis of inorganic fullerene-like WS ₂ nanoparticles in a particularly fluidized bed. <i>Chemical Engineering Journal</i> , 2014, 249, 54-62.	12.7	15
22250	Constructing a mixed π -conjugated bridge to effectively enhance the nonlinear optical response in the M π bis cyclacene-based systems. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10933-10942.	2.8	29
22251	Electronic and structural properties of Au-doped zigzag boron nitride nanotubes: A DFT study. <i>Solid State Communications</i> , 2014, 189, 1-4.	1.9	8
22252	Carbon Nanomaterials: A Review. , 2014, , 709-769.		40
22253	On localized modes of free vibrations of single-walled carbon nanotubes embedded in nonhomogeneous elastic medium. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2014, 94, 130-141.	1.6	17
22254	A continuum elastic three-dimensional model for natural frequencies of single-walled carbon nanotubes. <i>Composites Part B: Engineering</i> , 2014, 61, 222-228.	12.0	52
22255	Effect of sonication parameters on the mechanical properties of multi-walled carbon nanotube/epoxy composites. <i>Materials & Design</i> , 2014, 56, 500-508.	5.1	92
22256	Encapsulation of gases in powder solid matrices and their applications: A review. <i>Powder Technology</i> , 2014, 259, 87-108.	4.2	71
22257	Safe Clinical Use of Carbon Nanotubes as Innovative Biomaterials. <i>Chemical Reviews</i> , 2014, 114, 6040-6079.	47.7	207

#	ARTICLE	IF	CITATIONS
22258	Pristine multi-walled carbon nanotubes/SDS modified carbon paste electrode as an amperometric sensor for epinephrine. <i>Talanta</i> , 2014, 125, 352-360.	5.5	76
22259	Pseudo-stir bar hollow fiber solid/liquid phase microextraction combined with anodic stripping voltammetry for determination of lead and cadmium in water samples. <i>Journal of Advanced Research</i> , 2014, 5, 685-693.	9.5	16
22260	Superior piezoelectric composite films: taking advantage of carbon nanomaterials. <i>Nanotechnology</i> , 2014, 25, 045501.	2.6	13
22261	Photoinduced electron transfer in a carbon nanohorn-C ₆₀ conjugate. <i>Chemical Science</i> , 2014, 5, 2072.	7.4	21
22262	Room temperature ferromagnetism in a phthalocyanine based carbon material. <i>Journal of Applied Physics</i> , 2014, 115, 054306.	2.5	2
22263	Absence of mutagenic and recombinagenic activity of multi-walled carbon nanotubes in the <i>Drosophila</i> wing-spot test and <i>Allium cepa</i> test. <i>Ecotoxicology and Environmental Safety</i> , 2014, 99, 92-97.	6.0	32
22264	Growth termination mechanism of vertically aligned centimeter long carbon nanotube arrays. <i>Carbon</i> , 2014, 69, 609-620.	10.3	25
22265	Damping Characteristics of Epoxy-Reinforced Composite with Multiwall Carbon Nanotubes. <i>Mechanics of Advanced Materials and Structures</i> , 2014, 21, 197-206.	2.6	32
22266	Enhancement of mechanical properties of natural fiber composites via carbon nanotube addition. <i>Journal of Materials Science</i> , 2014, 49, 3225-3233.	3.7	63
22267	Evaluation of the combined toxicity of multi-walled carbon nanotubes and sodium pentachlorophenate on the earthworm <i>Eisenia fetida</i> using avoidance bioassay and comet assay. <i>Soil Biology and Biochemistry</i> , 2014, 70, 123-130.	8.8	37
22268	Synthesis and properties of poly(thiourea-azo-naphthyl)/multi-walled carbon nanotube composites. <i>Journal of Plastic Film and Sheeting</i> , 2014, 30, 6-27.	2.2	12
22269	One-pot synthesis of carbon nanotubes from renewable resource: cellulose acetate. <i>Journal of Materials Science</i> , 2014, 49, 1144-1149.	3.7	14
22270	Investigation on field emission properties of graphdiyne-BN composite. <i>Journal of Molecular Structure</i> , 2014, 1064, 32-36.	3.6	20
22271	Large scale production of biomass-derived N-doped porous carbon spheres for oxygen reduction and supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3317.	10.3	208
22272	Efficient chemoselective reduction of nitro compounds and olefins using Pd-Pt bimetallic nanoparticles on functionalized multi-wall-carbon nanotubes. <i>Catalysis Communications</i> , 2014, 45, 25-29.	3.3	40
22273	Thermodynamics at the nanoscale: A new approach to the investigation of unique physicochemical properties of nanomaterials. <i>Materials Science and Engineering Reports</i> , 2014, 79, 1-40.	31.8	133
22274	Multifunctional Hybrid Nanocarrier: Magnetic CNTs Ensheathed with Mesoporous Silica for Drug Delivery and Imaging System. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2201-2208.	8.0	101
22275	Modeling of Carbon Nanotubes, Graphene and their Composites. <i>Springer Series in Materials Science</i> , 2014, , .	0.6	11

#	ARTICLE	IF	CITATIONS
22276	An accurate spring-mass finite element model for vibration analysis of single-walled carbon nanotubes. <i>Computational Materials Science</i> , 2014, 85, 121-126.	3.0	11
22277	Role of polymers in the design of 3D carbon nanotube-based scaffolds for biomedical applications. <i>Progress in Polymer Science</i> , 2014, 39, 1448-1471.	24.7	78
22278	Enhanced broadband microwave reflection loss of carbon nanotube ensheathed Ni ²⁺ /Zn ²⁺ /Co-ferrite magnetic nanoparticles. <i>Materials Letters</i> , 2014, 120, 259-262.	2.6	46
22279	A Novel CNTFET-based Ternary Full Adder. <i>Circuits, Systems, and Signal Processing</i> , 2014, 33, 665-679.	2.0	70
22280	Ab-initio study of structural, electronic, and transport properties of zigzag GaP nanotubes. <i>Journal of Molecular Modeling</i> , 2014, 20, 2171.	1.8	21
22281	Perturbation of pulmonary immune functions by carbon nanotubes and susceptibility to microbial infection. <i>Journal of Microbiology</i> , 2014, 52, 227-234.	2.8	8
22282	Characterization of layer-by-layer nano self-assembled carbon nanotube/polymer film sensor for ethanol gas sensing properties. <i>Microsystem Technologies</i> , 2014, 20, 379-385.	2.0	20
22283	Electrochemical in-vivo sensors using nanomaterials made from carbon species, noble metals, or semiconductors. <i>Mikrochimica Acta</i> , 2014, 181, 1471-1484.	5.0	48
22284	First-principles calculations of nickel, cadmium, and lead adsorption on a single-walled (10,0) carbon nanotube. <i>Journal of Molecular Modeling</i> , 2014, 20, 2094.	1.8	11
22285	Theoretical study of the adsorption of pentachlorophenol on the pristine and Fe-doped boron nitride nanotubes. <i>Journal of Molecular Modeling</i> , 2014, 20, 2093.	1.8	9
22286	Buckling Analysis of Chiral Single-Walled Carbon Nanotubes by Using the Nonlocal Timoshenko Beam Theory. <i>Mechanics of Composite Materials</i> , 2014, 50, 95-104.	1.4	23
22287	Investigations of CO ₂ , CH ₄ and N ₂ physisorption in single-walled silicon carbon nanotubes using GCMC simulation. <i>International Nano Letters</i> , 2014, 4, 1.	5.0	8
22288	Fabricating and improving properties of copper matrix nanocomposites by electroless copper-coated MWCNTs. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1677-1686.	2.3	18
22289	Metal-particle-induced enhancement of the photoluminescence from biomolecule-functionalized carbon nanotubes. <i>Nanoscale Research Letters</i> , 2014, 9, 85.	5.7	6
22290	An ab initio study of the interaction of a single Li atom with single-walled SiGe (6,6) nanotubes and consequences of Jahn-Teller effect. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	5
22291	Schottky barrier-based silicon nanowire pH sensor with live sensitivity control. <i>Nano Research</i> , 2014, 7, 263-271.	10.4	45
22292	Electrochemical synthesis and characterization of solid-phase microextraction fibers using conductive polymers: application in extraction of benzaldehyde from aqueous solution. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1763-1771.	2.5	8
22293	Informational thermodynamic model for nanostructures. <i>Journal of Mathematical Chemistry</i> , 2014, 52, 1563-1575.	1.5	8

#	ARTICLE	IF	CITATIONS
22294	Genotoxicity of multi-walled carbon nanotubes at occupationally relevant doses. <i>Particle and Fibre Toxicology</i> , 2014, 11, 6.	6.2	132
22295	Theoretical investigation on the healing mechanism of divacancy defect in CNT growth by C ₂ H ₂ and C ₂ H ₄ . <i>Journal of Molecular Modeling</i> , 2014, 20, 2125.	1.8	9
22296	Applications of nanomaterials in water treatment and environmental remediation. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 471-482.	6.0	184
22297	Shear lag analysis of a novel short fuzzy fiber-reinforced composite. <i>Acta Mechanica</i> , 2014, 225, 2621-2643.	2.1	25
22298	Synthesis and characterization of functionalized ordered hexagonal nanoporous carbon nitride with melamine-based dendrimer amines. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 1537-1543.	2.2	3
22299	Removal, recovery and enrichment of metals from aqueous solutions using carbon nanotubes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1155-1163.	1.5	62
22300	Detection of organic chemical vapors with a MWNTs-polymer array chemiresistive sensor. <i>Materials Science-Poland</i> , 2014, 32, 50-58.	1.0	3
22301	Effects of carbon nanotubes on wear of WC/Co micropunches. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 72, 269-275.	3.0	21
22302	Candle Soot as Particular Lubricant Additives. <i>Tribology Letters</i> , 2014, 53, 521-531.	2.6	44
22303	Simultaneous determination of dihydroxybenzene isomers based on thionine functionalized multiwall carbon nanotubes modified electrode. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 667-674.	2.9	11
22304	A coupling atomistic-continuum approach for modeling mechanical behavior of nano-crystalline structures. <i>Computational Mechanics</i> , 2014, 54, 269-286.	4.0	9
22305	Recycling of the hyperaccumulator <i>Brassica juncea</i> L.: synthesis of carbon nanotube-Cu/ZnO nanocomposites. <i>Journal of Material Cycles and Waste Management</i> , 2014, 16, 162-166.	3.0	11
22306	Graphene oxide from silk cocoon: a novel magnetic fluorophore for multi-photon imaging. <i>3 Biotech</i> , 2014, 4, 67-75.	2.2	31
22307	Mediatorless amperometric bienzyme glucose biosensor based on horseradish peroxidase and glucose oxidase cross-linked to multiwall carbon nanotubes. <i>Mikrochimica Acta</i> , 2014, 181, 535-541.	5.0	30
22308	The permeation of potassium and chloride ions through nanotubes: a molecular simulation study. <i>Monatshefte für Chemie</i> , 2014, 145, 881-890.	1.8	23
22309	Characteristics, Properties and Ethical Issues of Carbon Nanotubes in Biomedical Applications. <i>NanoEthics</i> , 2014, 8, 29-48.	0.8	4
22310	Review of stationary phases for microelectromechanical systems in gas chromatography: feasibility and separations. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 981-994.	3.7	36
22311	Highly efficient removal of geosmin and 2-methylisoborneol by carboxylated multi-walled carbon nanotubes. <i>Monatshefte für Chemie</i> , 2014, 145, 747-754.	1.8	4

#	ARTICLE	IF	CITATIONS
22312	Carbon monoxide adsorption on carbon atom doped perfect and Stone-Wales defect single-walled boron nitride nanotubes: a DFT investigation. Monatshefte für Chemie, 2014, 145, 725-735.	1.8	12
22313	Influence of point defects on the structural and electronic properties of SiC nanotubes. Open Chemistry, 2014, 12, 53-59.	1.9	2
22314	Mapping the resonance wavelengths of MWCNT as an optical nanoantenna. Optical and Quantum Electronics, 2014, 46, 863-869.	3.3	1
22315	Multiwalled carbon nanotube-polyimide nanocomposite for MEMS piezoresistive pressure sensor applications. Microsystem Technologies, 2014, 20, 2255-2259.	2.0	9
22316	On the buckling behavior of connected carbon nanotubes with parallel longitudinal axes. Applied Physics A: Materials Science and Processing, 2014, 115, 1335-1344.	2.3	27
22317	Multiscale study on hydrogen storage based on covalent organic frameworks. Structural Chemistry, 2014, 25, 503-513.	2.0	5
22318	Mechanisms of graphene growth by chemical vapour deposition on transition metals. Carbon, 2014, 70, 1-21.	10.3	284
22319	Role of graphene/metal oxide composites as photocatalysts, adsorbents and disinfectants in water treatment: a review. RSC Advances, 2014, 4, 3823-3851.	3.6	556
22320	Grain growth analysis of multiwalled carbon nanotube-reinforced bulk Ni composites. Carbon, 2014, 70, 173-178.	10.3	60
22321	Electrically conductive multi-walled carbon nanotube-reinforced amorphous polyamide nanocomposites. Polymer Composites, 2014, 35, 587-595.	4.6	11
22322	Exact solution for nonlocal axial buckling of linear carbon nanotube hetero-junctions. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 366-377.	2.1	7
22323	Helical Carbon Segment in Carbon-Boron-Nitride Heteronanotubes: Structure and Nonlinear Optical Properties. ChemPlusChem, 2014, 79, 732-736.	2.8	16
22324	Immunotherapy applications of carbon nanotubes: from design to safe applications. Trends in Biotechnology, 2014, 32, 198-209.	9.3	60
22325	Temperature dependence and the effect of charge configuration on water permeation through modified carbon nanotubes: A simulation study. Fluid Phase Equilibria, 2014, 363, 282-289.	2.5	1
22326	The effect of temperature on the morphology and chemical surface properties of nitrogen-doped carbon nanotubes. Carbon, 2014, 68, 369-379.	10.3	102
22327	Oxidation debris in microwave functionalized carbon nanotubes: Chemical and biological effects. Carbon, 2014, 68, 678-686.	10.3	26
22328	Synergetic effect of graphene nanoplatelets (GNPs) and multi-walled carbon nanotube (MW-CNTs) on mechanical properties of pure magnesium. Journal of Alloys and Compounds, 2014, 603, 111-118.	5.5	209
22329	Catalytic Reduction of 4-Nitrophenol Using Gold Nanoparticles Supported on Carbon Nanotubes. ECS Journal of Solid State Science and Technology, 2014, 3, M18-M20.	1.8	49

#	ARTICLE	IF	CITATIONS
22330	Carbon spheres for energy applications: Raman and X-ray photoemission spectroscopy studies. International Journal of Energy Research, 2014, 38, 444-451.	4.5	19
22331	Tensile behavior of heat welded CNT network structures. Computational Materials Science, 2014, 88, 14-21.	3.0	19
22332	Novel molecularly imprinted polymers with carbon nanotube as matrix for selective solid-phase extraction of emodin from kiwi fruit root. Food Chemistry, 2014, 145, 687-693.	8.2	55
22333	Simultaneous detection of dopamine and ascorbic acid using silver/silver sulfide modified carbon nanotube electrodes. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 833-839.	5.3	24
22334	K6 carbon: A metallic carbon allotrope in sp ³ bonding networks. Journal of Chemical Physics, 2014, 140, 054514.	3.0	52
22335	First strain gradient elasticity solution for nanotube-reinforced matrix problem. Composite Structures, 2014, 112, 273-282.	5.8	5
22336	Synthesis and field emission properties of carbon nanotube films modified with amorphous carbon nanoparticles by a simple electrodeposition method. Chinese Chemical Letters, 2014, 25, 375-379.	9.0	6
22337	Immunosuppressive agent leflunomide: A SWNTs-immobilized dihydroorotate dehydrogenase inhibitory effect and computational study of its adsorption properties on zigzag single walled (6,0) carbon and boron nitride nanotubes as controlled drug delivery devices. European Journal of Pharmaceutical Sciences, 2014, 56, 37-54.	4.0	46
22338	Fabrication of one-dimensional ZnO nanotube and nanowire arrays with an anodic alumina oxide template via electrochemical deposition. Thin Solid Films, 2014, 570, 303-309.	1.8	39
22339	Control of steam input to the pyrolysis-gasification of waste plastics for improved production of hydrogen or carbon nanotubes. Applied Catalysis B: Environmental, 2014, 147, 571-584.	20.2	152
22340	Synthesis of novel single-walled carbon nanotube/magnesium nanoparticle composites by a solution reduction method. Materials Letters, 2014, 117, 305-308.	2.6	4
22341	Silver decorated multi-walled carbon nanotubes as a heterogeneous catalyst in the sonication of 2-aryl-2,3-dihydroquinazolin-4(1H)-ones. RSC Advances, 2014, 4, 11654-11660.	3.6	37
22342	Carbon Nanotube and Graphene-based Bioinspired Electrochemical Actuators. Advanced Materials, 2014, 26, 1025-1043.	21.0	245
22343	Highly sensitive and selective determination of thiocyanate using gold nanoparticles surface decorated multi-walled carbon nanotubes modified carbon paste electrode. Sensors and Actuators B: Chemical, 2014, 196, 467-474.	7.8	33
22344	Growth limit of carbon onions – A continuum mechanical study. International Journal of Solids and Structures, 2014, 51, 706-715.	2.7	13
22345	Development of an electrochemical sensor for the determination of the flavonoid luteolin in peanut hull samples. Microchemical Journal, 2014, 115, 100-105.	4.5	26
22346	A convenient strategy to functionalize carbon nanotubes with ascorbic acid and its effect on the physical and thermomechanical properties of poly(amide-imide) composites. Journal of Solid State Chemistry, 2014, 211, 136-145.	2.9	50
22347	Reactivity of the interior surface of (5,5) single-walled carbon nanotubes with and without a Stone-Wales defect. Computational and Theoretical Chemistry, 2014, 1027, 160-164.	2.5	15

#	ARTICLE	IF	CITATIONS
22348	Diamond-like carbon (DLC) films as electrochemical electrodes. <i>Diamond and Related Materials</i> , 2014, 43, 12-22.	3.9	88
22349	Hybrid peptide-carbon nanotube dispersions and hydrogels. <i>Carbon</i> , 2014, 71, 284-293.	10.3	21
22350	Octafunctionalized Biphenylenes: Molecular Precursors for Isomeric Graphene Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1538-1542.	13.8	94
22351	Characterization of the surface energies of functionalized multi-walled carbon nanotubes and their interfacial adhesion energies with various polymers. <i>Polymer</i> , 2014, 55, 1527-1536.	3.8	57
22352	Vibration analysis of non-uniform and non-homogeneous boron nitride nanorods embedded in an elastic medium under combined loadings using DQM. <i>Physica B: Condensed Matter</i> , 2014, 440, 88-98.	2.7	33
22353	Physico-chemical studies of cuprous oxide (Cu ₂ O) nanoparticles coated on amorphous carbon nanotubes (I-CNTs). <i>Applied Surface Science</i> , 2014, 289, 450-454.	6.1	17
22354	Electrochemical Oxidation and Voltammetric Determination of Captopril Using 4,4'-Biphenol as a Homogeneous Mediator. <i>Journal of the Electrochemical Society</i> , 2014, 161, H284-H289.	2.9	7
22355	Upcycling waste plastics into carbon nanomaterials: A review. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	216
22356	White-Light-Emitting Edge-Functionalized Graphene Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5619-5623.	13.8	186
22357	Nanotube Based Nonlinear Fiber Devices for Fiber Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 89-98.	2.9	10
22358	Diamond: Electronic Ground State of Carbon at Temperatures Approaching 0 K. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 3680-3683.	13.8	32
22359	Multiwalled carbon nanotube based molecular imprinted polymer for trace determination of 2,4-dichlorophenoxyacetic acid in natural water samples using a potentiometric method. <i>Applied Surface Science</i> , 2014, 303, 180-186.	6.1	48
22360	The Influence of Carbon Nanotube and Roll Bonding Parameters on the Bond Strength of Al Sheets. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 1887-1895.	2.5	4
22362	Piezoresistive effect of a carbon nanotube silicone-matrix composite. <i>Carbon</i> , 2014, 71, 319-331.	10.3	75
22363	Transverse vibration of circular graphene sheet-based mass sensor via nonlocal Kirchhoff plate theory. <i>Computational Materials Science</i> , 2014, 86, 73-78.	3.0	60
22364	Carbon nanotubes supported by titanium dioxide nanoparticles as recyclable and green catalyst for mild synthesis of dihydropyrimidinones/thiones. <i>Journal of Molecular Structure</i> , 2014, 1065-1066, 241-247.	3.6	36
22365	Functionalization and dispersion of multiwalled carbon nanotubes modified with poly-L-lysine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 19-26.	4.7	56
22366	Three-dimensional free vibration of carbon nanotube-reinforced composite plates with various boundary conditions using Ritz method. <i>Composite Structures</i> , 2014, 111, 362-370.	5.8	75

#	ARTICLE	IF	CITATIONS
22367	Kinetics of 3He, 4He, H2, D2, Ne, and N2 sorption by bundles of single-walled carbon nanotubes. Quantum effects. Low Temperature Physics, 2014, 40, 246-250.	0.6	16
22368	Nonlocal vibration and buckling analysis of single and multi-layered graphene sheets using finite strip method including van der Waals effects. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 57, 83-95.	2.7	60
22369	One-dimensional titania nanostructures: Synthesis and applications in dye-sensitized solar cells. Thin Solid Films, 2014, 558, 1-19.	1.8	45
22370	Nanoscience with Liquid Crystals. Nanoscience and Technology, 2014, , .	1.5	80
22371	Surface modification of nitrogen-doped carbon nanotubes by ozone via atomic layer deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	2.1	9
22372	Electrical conductance behavior of thin Ni catalyst films during intermittent direct current magnetron sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	2.1	4
22373	Laser-assisted growth of carbon nanotubesâ€”A review. Journal of Laser Applications, 2014, 26, .	1.7	18
22374	Charge carrier transport and low electrical percolation threshold in multiwalled carbon nanotube polymer nanocomposites. Carbon, 2014, 76, 10-18.	10.3	33
22375	Torsional statics and dynamics of nanotubes embedded in an elastic medium. Composite Structures, 2014, 114, 80-91.	5.8	66
22376	Designing novel nanoporous architectures of carbon nanotubes for hydrogen storage. International Journal of Hydrogen Energy, 2014, 39, 9825-9829.	7.1	30
22377	Preparation of flexible VOC sensor based on carbon nanotubes and gold nanoparticles. Sensors and Actuators B: Chemical, 2014, 194, 173-179.	7.8	70
22378	Porous multi-walled carbon nanotubes by using catalytic oxidation via transition metal oxide. Microporous and Mesoporous Materials, 2014, 194, 46-51.	4.4	45
22379	A new polystyrene-based ionomer/MWCNT nanocomposite for wearable skin temperature sensors. Reactive and Functional Polymers, 2014, 76, 57-62.	4.1	40
22380	â€œFluoroplasticâ€ Multi-Walled Carbon Nanotubeâ€™ Composites: Structural, Mechanical, and Tribotechnical Characteristics. Powder Metallurgy and Metal Ceramics, 2014, 52, 620-631.	0.8	2
22381	Behavior of size selected ironâ€platinum clusters soft landed on carbon nanotubes. Applied Surface Science, 2014, 301, 564-567.	6.1	7
22382	pTSA doped conducting graphene/polyaniline nanocomposite fibers: Thermoelectric behavior and electrode analysis. Chemical Engineering Journal, 2014, 242, 155-161.	12.7	73
22383	Supramolecular interaction of dopamine with Î²-cyclodextrin: An experimental and theoretical electrochemical study. Journal of Electroanalytical Chemistry, 2014, 717-718, 103-109.	3.8	28
22384	Plasma Processing Based Synthesis of Functional Nanocarbons. Plasma Chemistry and Plasma Processing, 2014, 34, 377-402.	2.4	7

#	ARTICLE	IF	CITATIONS
22385	Modeling and simulation of vibrational breathing-like modes in individual multiwalled carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 56, 312-318.	2.7	6
22386	Selective fabrication of carbon nanowires, carbon nanotubes, and graphene by catalytic chemical liquid deposition. <i>Materials Research Bulletin</i> , 2014, 55, 229-236.	5.2	5
22387	Magnetic core-shell Fe ₃ O ₄ @SiO ₂ /MWCNT nanocomposite modified carbon paste electrode for amplified electrochemical sensing of uric acid. <i>Materials Science and Engineering C</i> , 2014, 36, 160-167.	7.3	145
22388	Studies of nanocomposites of carbon nanotubes and a negative dielectric anisotropy liquid crystal. <i>Journal of Chemical Physics</i> , 2014, 140, 104908.	3.0	23
22389	Synergistic integration of Ni and vertically aligned carbon nanotubes for enhanced transport properties on flexible substrates. <i>Carbon</i> , 2014, 68, 308-318.	10.3	19
22390	Computational study of OCN ⁻ chemisorption over AlN nanostructures. <i>Superlattices and Microstructures</i> , 2014, 72, 370-382.	3.1	8
22391	Functionalized Carbon Nanoparticles, Blacks and Soots as Electron Transfer Building Blocks and Conduits. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1226-1241.	3.3	39
22392	Recent advances in vacuum sciences and applications. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 153001.	2.8	33
22393	Polymeric ionic liquid bucky gels as sorbent coatings for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2014, 1344, 15-22.	3.7	44
22394	An insulin monitoring device based on hyphenation between molecularly imprinted micro-solid phase extraction and complementary molecularly imprinted polymer-sensor. <i>Journal of Chromatography A</i> , 2014, 1337, 22-31.	3.7	14
22395	Activated Carbon Modified by CNTs/Ni-Co Oxide as Hybrid Electrode Materials for High Performance Supercapacitors. <i>IEEE Nanotechnology Magazine</i> , 2014, 13, 557-562.	2.0	3
22396	Nonisothermal crystallization kinetics of poly(butylene terephthalate)/multiwalled carbon nanotubes nanocomposites prepared by <i>in situ</i> polymerization. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	3
22397	Size-dependent vibration of fluid-conveying double-walled carbon nanotubes using couple stress shell theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 61, 28-39.	2.7	93
22398	Pulsed PECVD for Low-temperature Growth of Vertically Aligned Carbon Nanotubes. <i>Chemical Vapor Deposition</i> , 2014, 20, 161-169.	1.3	19
22399	Hydrogen and multiwall carbon nanotubes production by catalytic decomposition of methane: Thermogravimetric analysis and scaling-up of Fe-Mo catalysts. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 3698-3709.	7.1	77
22400	Polypyrrole/multi-walled carbon nanotube composite for the solid phase extraction of lead(II) in water samples. <i>Talanta</i> , 2014, 119, 447-451.	5.5	79
22401	A Timoshenko beam model for vibration analysis of chiral single-walled carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 59, 186-191.	2.7	40
22402	Application of Solid-Phase Extraction for Trace Elements in Environmental and Biological Samples: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2014, 44, 233-254.	3.5	64

#	ARTICLE	IF	CITATIONS
22403	Freestanding functionalized carbon nanotube-based electrode for solid-state asymmetric supercapacitors. <i>Nano Energy</i> , 2014, 6, 1-9.	16.0	182
22404	New approach for distribution of carbon nanotubes in alumina matrix. <i>Journal of the European Ceramic Society</i> , 2014, 34, 1845-1851.	5.7	58
22405	Fabrication of polyaniline/silver nanoparticles/multi-walled carbon nanotubes composites for flexible microelectronic circuits. <i>Synthetic Metals</i> , 2014, 192, 15-22.	3.9	43
22406	Quantitative Chemistry and the Discrete Geometry of Conformal Atom-Thin Crystals. <i>ACS Nano</i> , 2014, 8, 1136-1146.	14.6	27
22407	Tunable Epoxidation of Single-Walled Carbon Nanotubes by Isolated Methyl(trifluoromethyl)dioxirane. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1666-1671.	2.4	23
22408	Self-assembled ultrathin nanotubes on diamond (100) surface. <i>Nature Communications</i> , 2014, 5, 3666.	12.8	164
22409	Functionalized multi-wall carbon nanotubes/silicone rubber composite as capacitive humidity sensor. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	13
22410	Oxygen to carbon atoms ratio effect on the size, morphology and purity of functionalized carbon nanoshells by using alcohol mixtures as carbon source. <i>Carbon</i> , 2014, 76, 292-300.	10.3	9
22411	Nanomaterials, nanofillers, and nanocomposites: types and properties. , 2014, , 3-27.		22
22412	Fracture behaviour of \pm -Al ₂ O ₃ ceramics reinforced with a mixture of single-wall and multi-wall carbon nanotubes. <i>Composites Part B: Engineering</i> , 2014, 60, 463-470.	12.0	44
22413	Ultrasensitive room-temperature detection of NO ₂ with tellurium nanotube based chemiresistive sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 321-327.	7.8	43
22414	Rapid synthesis of water-soluble carbon nanotubes-supported PtRu nanoparticles for methanol electrooxidation. <i>Diamond and Related Materials</i> , 2014, 46, 1-7.	3.9	5
22415	Effects of multi-walled carbon nanotubes addition on thermal properties of thermal grease. <i>International Journal of Heat and Mass Transfer</i> , 2014, 74, 358-367.	4.8	33
22416	Mechanical, electrical and thermal properties of aligned carbon nanotube/polyimide composites. <i>Composites Part B: Engineering</i> , 2014, 56, 408-412.	12.0	200
22417	Optical properties of armchair graphene nanoribbons under uniaxial strain. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 1252-1256.	1.5	5
22418	A multianalyte electrochemical immunosensor based on patterned carbon nanotubes modified substrates for detection of pesticides. <i>Biosensors and Bioelectronics</i> , 2014, 52, 360-366.	10.1	60
22419	Electrical and optical properties of binary CN _x nanocone arrays synthesized by plasma-assisted reaction deposition. <i>Nanoscale Research Letters</i> , 2014, 9, 135.	5.7	2
22420	Mechanical and thermo-mechanical properties of carbon nanotube reinforced composites. <i>International Journal of Smart and Nano Materials</i> , 2014, 5, 44-58.	4.2	21

#	ARTICLE	IF	CITATIONS
22421	Modified SWCNTs with Amphoteric Redox and Solubilizing Properties. Chemistry - A European Journal, 2014, 20, 7278-7286.	3.3	15
22422	Electrochemical analysis of p-nitrophenol in acidic or alkaline medium using silver nanoparticle decorated multi-walled carbon nanotubes. Journal of Materials Science, 2014, 49, 5398-5405.	3.7	30
22423	Nanoceramic matrix composites: types, processing and applications. , 2014, , 27-42.		7
22424	Nylon 6/multiwalled carbon nanotube composites: Effect of the melt-compounding conditions and nanotube content on the morphology, mechanical properties, and rheology. Journal of Applied Polymer Science, 2014, 131, .	2.6	9
22425	Polymer/Carbon Nanotube Nano Composite Fibersâ€”A Review. ACS Applied Materials & Interfaces, 2014, 6, 6069-6087.	8.0	462
22426	Vibration analysis of curved graphene ribbons based on an elastic shell model. Mechanics Research Communications, 2014, 56, 61-68.	1.8	4
22427	Dual screen-printed electrodes with elliptic working electrodes arranged in parallel or perpendicular to the strip. Sensors and Actuators B: Chemical, 2014, 198, 302-308.	7.8	9
22428	Electronic Properties of Conjugated Polyelectrolyte/Single-Walled Carbon Nanotube Composites. Advanced Materials, 2014, 26, 4697-4703.	21.0	11
22429	Effect of carbon nanotubes and their dispersion on electroless Niâ€”P under bump metallization for lead-free solder interconnection. Journal of Materials Science: Materials in Electronics, 2014, 25, 2682-2691.	2.2	13
22430	Carbon Nanotube Gas Sensors. Springer Series on Chemical Sensors and Biosensors, 2014, , 109-174.	0.5	10
22431	Supramolecular Complexes of Multivalent Cholesterol-Containing Polymers to Solubilize Carbon Nanotubes in Apolar Organic Solvents. Chemistry - an Asian Journal, 2014, 9, 1356-1364.	3.3	11
22432	Carbon nanotube-layered double hydroxide nanocomposites. Chemical Papers, 2014, 68, .	2.2	6
22433	Carbon (Graphene/Graphite). , 2014, , 7-235.		22
22434	Incorporation of cisplatin into PEG-wrapped ultrapurified large-inner-diameter MWCNTs for enhanced loading efficiency and release profile. International Journal of Pharmaceutics, 2014, 471, 157-165.	5.2	17
22435	Numerical characterization and experimental verification of an in-plane MEMS-actuator with thin-film aluminum heater. Microsystem Technologies, 2014, 20, 1041-1050.	2.0	12
22436	Bottom-up molecular-assembly of Ru(bpy_3)polypyridyl complex-based hybrid nanostructures decorated with silver nanoparticles: effect of Ag nitrate concentration. RSC Advances, 2014, 4, 20024-20030.	3.6	5
22437	Boron-nitride and aluminum-nitride â€”Pringlesâ€”and flapping motion. Chemical Communications, 2014, 50, 7444-7446.	4.1	2
22439	Nanotoxicity: a key obstacle to clinical translation of siRNA-based nanomedicine. Nanomedicine, 2014, 9, 295-312.	3.3	202

#	ARTICLE	IF	CITATIONS
22440	Review of carbon nanotube nanoelectronics and macroelectronics. Semiconductor Science and Technology, 2014, 29, 073001.	2.0	106
22442	Vibration analysis of multi-walled carbon nanotubes embedded in elastic medium. Frontiers of Structural and Civil Engineering, 2014, 8, 151-159.	2.9	60
22443	Sc ₂ @C ₆₆ Revisited: An Endohedral Fullerene with Scandium Ions Nestled within Two Unsaturated Linear Triquinanes. Journal of the American Chemical Society, 2014, 136, 7611-7614.	13.7	74
22444	Building Complex Hybrid Carbon Architectures by Covalent Interconnections: Graphene–Nanotube Hybrids and More. ACS Nano, 2014, 8, 4061-4069.	14.6	140
22445	SDC-CNTFET: STEPWISE DOPING CHANNEL DESIGN IN CARBON NANOTUBE FIELD EFFECT TRANSISTORS FOR IMPROVING SHORT CHANNEL EFFECTS IMMUNITY. International Journal of Modern Physics B, 2014, 28, 1450048.	2.0	13
22446	Synthesis of graphitic carbon nano-onions for dye sensitized solar cells. Solar Energy, 2014, 105, 236-242.	6.1	24
22447	Mechanical and electrical properties of aligned carbon nanotube/carbon matrix composites. Carbon, 2014, 75, 307-313.	10.3	49
22448	Chinese ink-facilitated fabrication of carbon nanotube/polyvinyl alcohol composite sheets with a high nanotube loading. Composites Part A: Applied Science and Manufacturing, 2014, 61, 209-215.	7.6	14
22449	Determination of histamine in fish muscle at multi-walled carbon nanotubes coated conducting polymer modified glassy carbon electrode. Synthetic Metals, 2014, 191, 135-140.	3.9	48
22450	Carbon-based sorbents: Carbon nanotubes. Journal of Chromatography A, 2014, 1357, 53-67.	3.7	99
22451	Oxygen adsorption characteristics on hybrid carbon and boron–nitride nanotubes. Journal of Computational Chemistry, 2014, 35, 1058-1063.	3.3	13
22452	Separation of dispersed carbon nanotubes from water: Effect of pH and surfactants on the aggregation at oil/water interface. Separation and Purification Technology, 2014, 129, 113-120.	7.9	11
22453	Phytate functionalized multi-walled carbon nanotubes modified electrode for determining trace Cu(II) using differential normal pulse anodic stripping voltammetry. Sensors and Actuators B: Chemical, 2014, 201, 107-113.	7.8	22
22454	Determination of sulfonamides in milk samples by HPLC with amperometric detection using a glassy carbon electrode modified with multiwalled carbon nanotubes. Journal of Separation Science, 2014, 37, 382-389.	2.5	20
22455	[2+1] Cycloaddition of dichlorocarbene to finite-size graphene sheets: DFT study. Monatshefte für Chemie, 2014, 145, 891-896.	1.8	25
22456	Atom economical Michael addition of indole with methyl vinyl ketone over novel solid acid catalyst sulfated zirconia on silica tubes. Microporous and Mesoporous Materials, 2014, 195, 180-190.	4.4	8
22457	A Simple Gas–Solid Route To Functionalize Ordered Carbon. ACS Applied Materials & Interfaces, 2014, 6, 2910-2916.	8.0	3
22458	A comparative study on the electrical, thermal and mechanical properties of ethylene–octene copolymer based composites with carbon fillers. Materials & Design, 2014, 60, 458-467.	5.1	32

#	ARTICLE	IF	CITATIONS
22459	Nonlinear vibrations of a single-walled carbon nanotube for delivering of nanoparticles. <i>Nonlinear Dynamics</i> , 2014, 76, 1885-1903.	5.2	51
22460	Theoretical investigation of ethane and ethene monitoring using pristine and decorated aluminum nitride and silicon carbide nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2014, 196, 555-566.	7.8	6
22461	Density functional study on the adsorption and dissociation of nitroamine over the nanosized tube of MgO. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 62, 48-54.	2.7	69
22462	Square-wave adsorptive stripping voltammetric determination of nanomolar levels of bezafibrate using a glassy carbon electrode modified with multi-walled carbon nanotubes within a dihexadecyl hydrogen phosphate film. <i>Analyst</i> , The, 2014, 139, 1762-1768.	3.5	24
22463	Simulation of catalyst behavior during chemical vapor deposition processing of carbon nanotubes. <i>Chemical Physics Letters</i> , 2014, 604, 1-4.	2.6	2
22464	Aspect ratio effects of multi-walled carbon nanotubes on electrical, mechanical, and thermal properties of polycarbonate/MWCNT composites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 73-83.	2.1	101
22465	Sensitive voltammetric determination of cysteamine using promazine hydrochloride as a mediator and modified multi-wall carbon nanotubes carbon paste electrodes. <i>Ionics</i> , 2014, 20, 1335-1342.	2.4	11
22466	Electrocatalytic determination of captopril using a modified carbon nanotube paste electrode: Application to determination of captopril in pharmaceutical and biological samples. <i>Measurement: Journal of the International Measurement Confederation</i> , 2014, 47, 770-776.	5.0	77
22467	Mechanical deformations of boron nitride nanotubes in crossed junctions. <i>Journal of Applied Physics</i> , 2014, 115, 164305.	2.5	22
22468	Microwave-induced synthesis of β -cyclodextrin/N-doped carbon nanotube polyurethane nanocomposites for water purification. <i>Physics and Chemistry of the Earth</i> , 2014, 67-69, 105-110.	2.9	11
22469	Mechanically Interlocked Single-Wall Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5394-5400.	13.8	69
22470	Structure of Single-Wall Carbon Nanotubes: A Graphene Helix. <i>Small</i> , 2014, 10, 3283-3290.	10.0	11
22471	Influence of the catalyst-nanotube spacing on the synthesis of polymer-functionalized multiwalled carbon nanotubes by "grafting from" approach. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	6
22472	Studies on synthesis and characterization of multi-walled carbon nanotube-reinforced polyimide nanocomposites based on a siloxane-modified anhydride. <i>High Performance Polymers</i> , 2014, 26, 43-51.	1.8	5
22473	A theoretical insight into surface reactivity of nitrogen-doped BC ₃ nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 59, 223-229.	2.7	8
22474	Template synthesis and characterization of carbon nanomaterials from ferrocene crystals. <i>Applied Surface Science</i> , 2014, 308, 388-395.	6.1	11
22475	Synthesis of anatase TiO ₂ nanotubes derived from a natural leucoxene mineral by the hydrothermal method. <i>Ceramics International</i> , 2014, 40, 9241-9247.	4.8	24
22476	Formations of CNT modified 5-(halogen)uracil hybrids: DFT studies. <i>Superlattices and Microstructures</i> , 2014, 65, 375-379.	3.1	7

#	ARTICLE	IF	CITATIONS
22477	Surface and electro-surface characterization of surface-oxidized multi-walled N-doped carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 448, 140-146.	4.7	42
22478	Supramolecular aggregates formed by sulfadiazine and sulfisomidine inclusion complexes with β - and γ -cyclodextrins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 129, 157-162.	3.9	15
22479	Nonvolatile graphene nanoflake shuttle memory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 56, 17-23.	2.7	10
22480	High and anisotropic thermal conductivity of body-centered tetragonal C4 calculated using molecular dynamics. <i>Carbon</i> , 2014, 66, 567-575.	10.3	23
22483	Different motion patterns of triple-walled carbon nanotube oscillators. <i>JVC/Journal of Vibration and Control</i> , 2014, 20, 773-785.	2.6	9
22484	Kinetic model of carbon nanotube production from carbon dioxide in a floating catalytic chemical vapour deposition reactor. <i>RSC Advances</i> , 2014, 4, 9564.	3.6	15
22485	Template-Free Fabrication of Highly-Oriented Single-Crystalline 1D-Rutile TiO_2 -MWCNT Composite for Enhanced Photoelectrochemical Activity. <i>Journal of Physical Chemistry C</i> , 2014, 118, 19363-19373.	3.1	44
22486	Facile fabrication of β -FeOOH nanorod/RGO composite: a robust photocatalyst for reduction of Cr(VI) under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10300-10312.	10.3	199
22487	Studies on structural and magnetic properties of pristine and nickel-filled carbon nanotubes synthesized using LaNi_5 alloy particles as a catalyst. <i>Chemical Engineering Journal</i> , 2014, 243, 436-447.	12.7	19
22488	Zeolites and mesoporous materials in fuel cell applications. <i>Catalysis Today</i> , 2014, 236, 182-205.	4.4	65
22489	Low temperature magnetic investigation of Fe_3O_4 nanoparticles filled into multiwalled carbon nanotubes. <i>Synthetic Metals</i> , 2014, 187, 75-80.	3.9	50
22490	Prediction of cellulose nanotube models through density functional theory calculations. <i>Cellulose</i> , 2014, 21, 87-95.	4.9	7
22491	Mechanical properties and electrical conductivity of alumina/MWCNT and alumina/zirconia/MWCNT composites. <i>Ceramics International</i> , 2014, 40, 1289-1295.	4.8	80
22492	Nanocomposites from styrene-butadiene rubber (SBR) and multiwall carbon nanotubes (MWCNT) part 1: Morphology and rheology. <i>Polymer</i> , 2014, 55, 258-270.	3.8	72
22493	Selective enrichment of phosphopeptides by titania nanoparticles coated magnetic carbon nanotubes. <i>Talanta</i> , 2014, 118, 14-20.	5.5	34
22494	Magnetic properties and thermodynamics in a metallic nanotube. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 355, 309-318.	2.3	51
22495	Effect of carbon nanotubes dispersion on morphology, internal structure and thermal stability of electrospun poly(vinyl alcohol)/carbon nanotubes nanofibers. <i>Optical and Quantum Electronics</i> , 2014, 46, 259-269.	3.3	14
22496	A highly sensitive electrochemical sensor for simultaneous voltammetric determination of noradrenaline, acetaminophen, xanthine and caffeine based on a flavonoid nanostructured modified glassy carbon electrode. <i>Sensors and Actuators B: Chemical</i> , 2014, 192, 634-641.	7.8	111

#	ARTICLE	IF	CITATIONS
22497	Carbon nanofibres coated with Ni decorated MoS ₂ nanosheets as catalyst for vacuum residue hydroprocessing. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 357-365.	20.2	34
22498	A review on counter electrode materials in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4474-4490.	10.3	473
22499	Multiwall carbon nanotubes doped ferroelectric liquid crystal composites: A study of modified electrical behavior. <i>Physica B: Condensed Matter</i> , 2014, 434, 1-6.	2.7	17
22501	Carbon Nanofibers Via Electrospinning. , 2014, , 165-188.		3
22502	Structural and electronic properties of armchair (7, 7) carbon nanotubes using DFT. <i>Computational Materials Science</i> , 2014, 82, 159-164.	3.0	29
22503	Chemical modifications and bioconjugate reactions of nanomaterials for sensing, imaging, drug delivery and therapy. <i>Chemical Society Reviews</i> , 2014, 43, 744-764.	38.1	1,014
22504	Direct electron transfer of glucose oxidase and biosensing for glucose based on PDDA-capped gold nanoparticle modified graphene/multi-walled carbon nanotubes electrode. <i>Biosensors and Bioelectronics</i> , 2014, 52, 147-152.	10.1	220
22505	An overview on methods for the production of carbon nanotubes. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1186-1197.	5.8	160
22506	Solid phase extraction of trace amounts of palladium in environmental water samples on multi-walled carbon nanotubes as a new sorbent: comparison with activated carbon. <i>Desalination and Water Treatment</i> , 2014, 52, 350-356.	1.0	3
22507	A thermomechanical shear lag analysis of short fuzzy fiber reinforced composite containing wavy carbon nanotubes. <i>European Journal of Mechanics, A/Solids</i> , 2014, 44, 41-60.	3.7	35
22508	Hardness of Multi Wall Carbon Nanotubes reinforced aluminium matrix composites. <i>Journal of Alloys and Compounds</i> , 2014, 585, 362-367.	5.5	124
22509	Nanotoxicology. <i>Nanomedicine and Nanotoxicology</i> , 2014, , .	0.2	20
22510	Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2014, , 1-29.	0.2	2
22511	Near infrared fluorescence and enhanced electrical conductivity of single walled carbon nanotube-lead silicate glass composite. <i>Journal of Non-Crystalline Solids</i> , 2014, 385, 129-135.	3.1	2
22512	Electro-oxidation and voltammetric determination of oxymetholone in the presence of mestanolone using glassy carbon electrode modified with carbon nanotubes. <i>Talanta</i> , 2014, 121, 1-8.	5.5	21
22513	Earth-abundant cocatalysts for semiconductor-based photocatalytic water splitting. <i>Chemical Society Reviews</i> , 2014, 43, 7787-7812.	38.1	2,125
22514	Cathodic stripping voltammetric determination of arsenic in sugarcane brandy at a modified carbon nanotube paste electrode. <i>Food Chemistry</i> , 2014, 154, 38-43.	8.2	44
22515	Catalytically Active Nanomaterials: A Promising Candidate for Artificial Enzymes. <i>Accounts of Chemical Research</i> , 2014, 47, 1097-1105.	15.6	1,020

#	ARTICLE	IF	CITATIONS
22516	Density Functional Theory Study on the Static Dipole Polarizability of Boron Nitride Nanotubes: Single Wall and Coaxial Systems. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1739-1745.	3.1	29
22517	Using electron beams to investigate carbonaceous materials. <i>Comptes Rendus Physique</i> , 2014, 15, 241-257.	0.9	8
22518	Single Crystal to Single Crystal Polymerization of a Self-Assembled Diacetylene Macrocycle Affords Columnar Polydiacetylenes. <i>Crystal Growth and Design</i> , 2014, 14, 993-1002.	3.0	53
22519	A review of ligand tethered surface engineered carbon nanotubes. <i>Biomaterials</i> , 2014, 35, 1267-1283.	11.4	145
22520	Planar hexagonal B36 as a potential basis for extended single-atom layer boron sheets. <i>Nature Communications</i> , 2014, 5, 3113.	12.8	645
22521	Determination of Mercury in Real Water Samples Using in situ Derivatization Followed by Sol-Gel-Solid-Phase Microextraction with Gas Chromatography-Flame Ionization Detection. <i>Journal of Chromatographic Science</i> , 2014, 52, 81-87.	1.4	13
22522	Channeling of protons in single-walled carbon nanotubes based on kinetic and molecular-dynamics treatment. <i>Carbon</i> , 2014, 71, 196-205.	10.3	10
22523	Photophoretic separation of single-walled carbon nanotubes: a novel approach to selective chiral sorting. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5221-5228.	2.8	16
22524	Characterization of Carbon Nanotube Dispersions in Solutions of Bile Salts and Derivatives Containing Aromatic Substituents. <i>Journal of Physical Chemistry B</i> , 2014, 118, 1012-1021.	2.6	35
22525	Carbon nanotube-based fluorescence sensors. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2014, 19, 20-34.	11.6	71
22526	Differential stimulation of neurotrophin release by the biocompatible nano-material (carbon) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 342 T	2.4	20
22527	Carbon nanotube/titanium nanotube composites loaded platinum nanoparticles as high performance photocatalysts. <i>Applied Catalysis A: General</i> , 2014, 475, 90-97.	4.3	32
22528	Enrichment of large-diameter semiconducting SWCNTs by polyfluorene extraction for high network density thin film transistors. <i>Nanoscale</i> , 2014, 6, 2328.	5.6	154
22529	Sequential Electrochemical Unzipping of Single-Walled Carbon Nanotubes to Graphene Ribbons Revealed by <i>in Situ</i> Raman Spectroscopy and Imaging. <i>ACS Nano</i> , 2014, 8, 234-242.	14.6	38
22530	Encapsulation of organic molecules in carbon nanotubes: role of the van der Waals interactions. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 083001.	2.8	31
22531	A metallic carbon allotrope with superhardness: a first-principles prediction. <i>Journal of Materials Chemistry C</i> , 2014, 2, 2751-2757.	5.5	40
22532	Controllable synthesis of nanotube-type graphitic C3N4 and their visible-light photocatalytic and fluorescent properties. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2885.	10.3	265
22533	Mid-infrared spectroscopic assessment of nanotoxicity in Gram-negative vs. Gram-positive bacteria. <i>Analyst, The</i> , 2014, 139, 896-905.	3.5	15

#	ARTICLE	IF	CITATIONS
22534	Hydrogen storage on silicon, carbon, and silicon carbide nanotubes: A combined quantum mechanics and grand canonical Monte Carlo simulation study. International Journal of Hydrogen Energy, 2014, 39, 1719-1731.	7.1	40
22535	Carbon nanofibres from fructose using a light-driven high-temperature spinning disc processor. Chemical Communications, 2014, 50, 1478-1480.	4.1	13
22536	Effect of sintering temperature and nanotube concentration on microstructure and properties of carbon nanotube/alumina nanocomposites. Ceramics International, 2014, 40, 7449-7458.	4.8	25
22537	Growth Actuated Bending and Twisting of Single Crystals. Angewandte Chemie - International Edition, 2014, 53, 672-699.	13.8	264
22538	A multi-scale approach for evaluating the mechanical characteristics of carbon nanotube incorporated cementitious composites. Construction and Building Materials, 2014, 50, 317-327.	7.2	30
22539	The mechanism of transforming diamond nanowires to carbon nanostructures. Nanotechnology, 2014, 25, 035601.	2.6	5
22540	Sensor-to-Digital Interface Built Entirely With Carbon Nanotube FETs. IEEE Journal of Solid-State Circuits, 2014, 49, 190-201.	5.4	101
22541	Fabrication and characterization of NiTiO ₃ nanofibers by sol-gel assisted electrospinning. Journal of Sol-Gel Science and Technology, 2014, 69, 473-479.	2.4	47
22542	Ablative and mechanical evaluation of CNT/phenolic composites by thermal and microstructural analyses. Composites Part B: Engineering, 2014, 60, 597-602.	12.0	64
22543	Terahertz electrical conductivity and optical characterization of composite nonaligned single- and multiwalled carbon nanotubes. Journal of Nanophotonics, 2014, 8, 083099.	1.0	29
22544	Stereodivergent Synthesis of Chiral Fullerenes by [3 + 2] Cycloadditions to C ₆₀ . Journal of the American Chemical Society, 2014, 136, 705-712.	13.7	93
22545	Compressive behavior of CNT-reinforced aluminum composites using molecular dynamics. Composites Science and Technology, 2014, 90, 16-24.	7.8	134
22546	Confining ss-DNA/carbon nanotube complexes in ordered droplets. Soft Matter, 2014, 10, 1024.	2.7	8
22547	Single wall carbon nanotubes loaded with Pd and NiPd nanoparticles for H ₂ sensing at room temperature. Carbon, 2014, 66, 599-611.	10.3	40
22548	A review on applications of carbon nanotubes and graphenes as nano-resonator sensors. Computational Materials Science, 2014, 82, 350-360.	3.0	176
22549	Fabrication of carbon nanotube/NiOx(OH) _y nanocomposite by pulsed electrodeposition for supercapacitor applications. Journal of Power Sources, 2014, 245, 324-330.	7.8	43
22550	Metal-Organic Frameworks as Biomimetic Catalysts. ChemCatChem, 2014, 6, 67-75.	3.7	259
22551	Ionic effects on the transport characteristics of nanowire-based FETs in a liquid environment. Nano Research, 2014, 7, 380-389.	10.4	12

#	ARTICLE	IF	CITATIONS
22552	Preparation, morphology, and mechanical properties of carbon nanotube anchored polymer nanofiber composite. <i>Composites Science and Technology</i> , 2014, 92, 95-102.	7.8	60
22553	Graphene Nanoribbons Derived from the Unzipping of Carbon Nanotubes: Controlled Synthesis and Superior Lithium Storage Performance. <i>Journal of Physical Chemistry C</i> , 2014, 118, 881-890.	3.1	93
22554	Layer-by-layer deposition of cationic and anionic carbon nanotubes into thin films with improved electrical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 444, 89-94.	4.7	10
22555	DFT Study of the Structural and Mechanical Properties of Oxydated Single-walled Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 405-412.	2.1	5
22556	A multi-residue method for the determination of pesticides in tea using multi-walled carbon nanotubes as a dispersive solid phase extraction absorbent. <i>Food Chemistry</i> , 2014, 153, 121-129.	8.2	133
22557	Structural health monitoring capabilities in ceramic-carbon nanocomposites. <i>Ceramics International</i> , 2014, 40, 3793-3798.	4.8	24
22558	Influence of rare-earth-functionalized carbon nanotubes on thermal and mechanical properties of polytetrafluoroethylene nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2014, 33, 47-57.	3.1	4
22559	Application of functionalized magnetic nanoparticles in sample preparation. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 377-399.	3.7	229
22560	Effect of milling time on dual-nanoparticulate-reinforced aluminum alloy matrix composite materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 590, 338-345.	5.6	46
22561	Increase in the yield of (and selective synthesis of large-diameter) single-walled carbon nanotubes through water-assisted ethanol pyrolysis. <i>Journal of Catalysis</i> , 2014, 309, 419-427.	6.2	19
22562	Non-covalent functionalization of carbon nanotubes with polymers. <i>RSC Advances</i> , 2014, 4, 2911-2934.	3.6	265
22563	Effects of nitrogen-doped carbon nanotubes on the discharge performance of Li-air batteries. <i>Carbon</i> , 2014, 67, 744-752.	10.3	82
22564	Polymer/carbon nanofillers films fabricated by latex technology. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1301-1306.	3.2	6
22565	Catalyst and doping methods for arc graphene. <i>Nanotechnology</i> , 2014, 25, 445601.	2.6	7
22566	Arc discharge synthesis of carbon nanotubes: Comprehensive review. <i>Diamond and Related Materials</i> , 2014, 50, 135-150.	3.9	412
22567	Nanotubes from Misfit Layered Compounds: A New Family of Materials with Low Dimensionality. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3724-3736.	4.6	47
22568	Sensitive voltammetric determination of neohesperidin dihydrochalcone based on SWNTs modified glassy carbon electrode. <i>Analytical Methods</i> , 2014, 6, 9410-9418.	2.7	9
22569	Synthesis and Visible-Light Photocatalytic Performance of Cadmium Sulfide and Oxide Hexagonal Nanoplates. <i>ChemPlusChem</i> , 2014, 79, 1726-1732.	2.8	7

#	ARTICLE	IF	CITATIONS
22570	Analytical Nanoscience and Nanotechnology. Comprehensive Analytical Chemistry, 2014, , 3-35.	1.3	9
22571	Micromechanics of collective buckling in CNT turfs. Journal of the Mechanics and Physics of Solids, 2014, 72, 144-160.	4.8	21
22572	Ligands influence a carbon nanotube penetration through a lipid bilayer. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	4
22573	Dependence of annealing temperature on cluster formation during in situ growth of CNTs. , 2014, , .		0
22574	Effects of ferrite catalyst concentration and water vapor on growth of vertically aligned carbon nanotube. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2014, 5, 045009.	1.5	7
22575	Design, technology, numerical simulation and optimization of building blocks of a micro and nano scale tensile testing platform with focus on a piezoresistive force sensor. , 2014, , .		2
22576	Synthesis and Characterization of Silicon and Nitrogen Containing Carbon-Based Crystals and Their Nanostructured Materials. ECS Journal of Solid State Science and Technology, 2014, 3, M65-M70.	1.8	0
22577	BCN Nanotubes as Highly Sensitive Torsional Electromechanical Transducers. Nano Letters, 2014, 14, 6132-6137.	9.1	35
22578	Molecular dynamic simulations of maximum pull-out forces of embedded CNTs for sensor applications and validating nano scale experiments. , 2014, , .		2
22579	Recent Advances in the Synthesis and Characterization of Chalcogenide Nanoparticles. Solid State Phenomena, 0, 222, 187-233.	0.3	21
22580	Graphene and its nanocomposite material based electrochemical sensor platform for dopamine. RSC Advances, 2014, 4, 63296-63323.	3.6	272
22581	Enhance the stability of 1±-graphyne nanoribbons by dihydrogenation. Organic Electronics, 2014, 15, 3392-3398.	2.6	35
22582	n-Type KCu ₃ S ₂ microbelts: optical, electrical, and optoelectronic properties. RSC Advances, 2014, 4, 59221-59225.	3.6	6
22583	Cu(II)-Based MOF Immobilized on Multiwalled Carbon Nanotubes: Synthesis and Application for Nonenzymatic Detection of Hydrogen Peroxide with High Sensitivity. Electroanalysis, 2014, 26, 2526-2533.	2.9	75
22584	Imaging, spectroscopic, mechanical and biocompatibility studies of electrospun Tecoflex® EG 80A nanofibers and composites thereof containing multiwalled carbon nanotubes. Applied Surface Science, 2014, 321, 205-213.	6.1	17
22585	Multifunctional carbon nanotubes in water treatment: The present, past and future. Desalination, 2014, 354, 160-179.	8.2	210
22586	Realizing one-dimensional quantum and high-frequency transport features in aligned single-walled carbon nanotube ropes. Journal of Applied Physics, 2014, 116, 024306.	2.5	2
22587	Structurally inhomogeneous nanoparticulate catalysts in cobalt-catalyzed carbon nanotube growth. Applied Physics Letters, 2014, 105, 073108.	3.3	22

#	ARTICLE	IF	CITATIONS
22588	Kinetics and Mechanism Studies on Dispersion of CNT in SDS Aqueous Solutions. Journal of the Chinese Chemical Society, 2014, 61, 481-489.	1.4	4
22589	Influence of iron contaminations on local and bulk magnetic properties of nonfunctionalized and functionalized multi-wall carbon nanotubes. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 661-669.	1.8	7
22590	Selective Detection of Dopamine in Presence of Ascorbic Acid by Use of Glassy Carbon Electrode Modified with Amino-β-Cyclodextrin and Carbon Nanotubes. Electroanalysis, 2014, 26, 2747-2753.	2.9	35
22591	The structure and electro-mechanical properties of novel hybrid CNT/PANI nanocomposites. Polymer Composites, 2014, 35, 788-794.	4.6	12
22592	Adsorption of Cu (II) ions from water by carbon nanotubes oxidized with UV-light and ultrasonication. Journal of Molecular Liquids, 2014, 199, 559-564.	4.9	24
22593	Theoretical Study of Hydrogen Adsorption on Ru-Decorated (8,0) Single-Walled Carbon Nanotube. Journal of Physical Chemistry C, 2014, 118, 27672-27680.	3.1	43
22594	Analytical Model for Inverter Design Using Floating Gate Graphene Field Effect Transistors. , 2014, , .		4
22595	High dielectric material dependence of carbon nanotube field effect transistor considering non-ballistic conduction. Micro and Nano Letters, 2014, 9, 620-625.	1.3	5
22596	Phase Evolution of Ga_2O_3 Produced from Morphology-Controllable GaOOH Nanocrystals. Journal of the American Ceramic Society, 2014, 97, 2607-2614.	3.8	13
22597	On a numerical strategy to simulate nanotube-reinforced composite materials. Materialwissenschaft Und Werkstofftechnik, 2014, 45, .	0.9	6
22598	The production, characterization and applications of nanoparticles in the textile industry. Textile Progress, 2014, 46, 133-226.	2.0	41
22599	Nanotechnology applications in urology: a review. BJU International, 2014, 114, 653-660.	2.5	4
22600	Hydrogen chemisorption on carbon structure with mixed sp^2 - sp^3 hybridization: empirical potential studies. Adsorption, 2014, 20, 875-882.	3.0	9
22601	Fabrication and testing of solution-processed carbon nanotube thin film transistor. , 2014, , .		0
22602	Modeling of sub-band and diameter effect in carrier concentration of CNTFET. Materials Science in Semiconductor Processing, 2014, 28, 115-120.	4.0	1
22603	High-pressure resistance reversibility of polymer composites based on multiwalled carbon nanotubes. Applied Physics Letters, 2014, 105, 203103.	3.3	7
22604	Mechanical and electrical properties of high performance MWCNT/polycarbonate composites prepared by an industrial viable twin screw extruder with back flow channel. RSC Advances, 2014, 4, 64649-64658.	3.6	51
22605	Water desalination through armchair carbon nanotubes: a molecular dynamics study. RSC Advances, 2014, 4, 63712-63718.	3.6	30

#	ARTICLE	IF	CITATIONS
22606	Physisorption of molecular hydrogen on carbon nanotube with vacant defects. Journal of Chemical Physics, 2014, 140, 204712.	3.0	7
22607	3D Wire-Shaped Dye-Sensitized Solar Cells in Solid State Using Carbon Nanotube Yarns with Hybrid Photovoltaic Structure. Advanced Materials Interfaces, 2014, 1, 1400075.	3.7	41
22608	Structural and electrical properties of armchair CdS nanotubes. Journal of Applied Physics, 2014, 115, 214307.	2.5	8
22609	Energy-independent total quantum transmission of electrons through nanodevices with correlated disorder. Physical Review B, 2014, 90, .	3.2	6
22610	Pressureless Sintering of Carbon Nanofibre/SiC Composites and Their Properties. International Journal of Applied Ceramic Technology, 2014, 11, 280-288.	2.1	5
22611	An analytical model to predict curvature effects of the carbon nanotube on the overall behavior of nanocomposites. Journal of Applied Physics, 2014, 116, 033511.	2.5	16
22612	Tribological behaviour of multi-walled carbon nanotube films. AIP Advances, 2014, 4, .	1.3	8
22613	Air Filtration in the Free Molecular Flow Regime: A Review of High-Efficiency Particulate Air Filters Based on Carbon Nanotubes. Small, 2014, 10, 4543-4561.	10.0	279
22614	Nanocomposites based on MWCNT and polystyrene, styrene-acrylonitrile copolymer, or polymethylmethacrylate, obtained by miniemulsion polymerization. Journal of Applied Polymer Science, 2014, 131, .	2.6	3
22615	New polypyrrole-carbon nanotubes-silicon dioxide solid-phase microextraction fiber for the preconcentration and determination of benzene, toluene, ethylbenzene, and <i>o</i> -xylene using gas liquid chromatography. Journal of Separation Science, 2014, 37, 2605-2612.	2.5	17
22616	Pumping of water by rotating chiral carbon nanotube. Nanoscale, 2014, 6, 13606-13612.	5.6	41
22617	Model for Self-Rolling of an Aluminosilicate Sheet into a Single-Walled Imogolite Nanotube. Journal of Physical Chemistry C, 2014, 118, 28227-28233.	3.1	25
22618	Electromagnetic and microwave absorbing properties of magnetite nanoparticles decorated carbon nanotubes/polyaniline multiphase heterostructures. Journal of Materials Science, 2014, 49, 7221-7230.	3.7	41
22619	Effect of multiwalled carbon nanotubes on the crystallization and dielectric properties of BP-PEN nanocomposites. Journal of Materials Science: Materials in Electronics, 2014, 25, 3833-3839.	2.2	13
22620	Hierarchical Nanostructures for Fuel Cells and Fuel Reforming. RSC Nanoscience and Nanotechnology, 2014, , 84-106.	0.2	0
22621	Nanowire Field Effect Transistors: Principles and Applications. , 2014, , .		17
22622	Nitrogen-Doped Carbon Nanotubes Prepared at Different Temperatures for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2014, 161, F1140-F1145.	2.9	13
22623	Nano Theoretical Study of a C ₁₆ Cluster as a Novel Material for Vitamin C Carrier. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 687-708.	2.1	17

#	ARTICLE	IF	CITATIONS
22624	Polyarenes I. Topics in Current Chemistry, 2014, , .	4.0	9
22625	Regulated Dielectric Loss of Polymer Composites from Coating Carbon Nanotubes with a Cross-Linked Silsesquioxane Shell through Free-Radical Polymerization. ACS Applied Materials & Interfaces, 2014, 6, 18635-18643.	8.0	37
22626	Studies on the Photocatalytic Electron Pooling of Graphene Oxide Hybrids Decorated with Electron Donor and Electron Acceptor Molecules. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 128-137.	2.1	6
22627	Mechanical Characters of Six Engineering Timoshenko Beams. Applied Mechanics and Materials, 2014, 668-669, 201-204.	0.2	0
22628	Synthesis and characterization of carbon nano structures on Gallium Phosphate. , 2014, , .		0
22629	Light scattering by cylindrical nanoparticles: Limits of applicability of the Rayleigh-Gans-Debye approximation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2014, 117, 304-307.	0.6	0
22630	Density functional study on the functionalization of BN nanotubes with nitramide. Russian Journal of Physical Chemistry A, 2014, 88, 1751-1756.	0.6	6
22631	Toward the theory of spin waves on the surface of a nanotube with a superlattice in a magnetic field. Physics of the Solid State, 2014, 56, 1696-1699.	0.6	2
22632	Phenomenological theory of phase transitions in solutions of nanotubes in liquid crystal. Bulletin of the Russian Academy of Sciences: Physics, 2014, 78, 726-729.	0.6	2
22633	Synthesis of single-wall carbon nanotubes by excimer laser ablation. Surface Engineering and Applied Electrochemistry, 2014, 50, 294-299.	0.8	10
22634	Dispersion of Inorganic Nanoparticles in Polymer Matrices: Challenges and Solutions. Advances in Polymer Science, 2014, , 1-38.	0.8	16
22635	Effect of carbon nanotubes electrophoretically-deposited on reinforcing carbon fibers on the strength and toughness of C/SiC composites. Composites Science and Technology, 2014, 103, 94-99.	7.8	35
22636	Performance characteristics of a single walled Carbon Nanotube Field Effect Transistor (SWCNT-FET). , 2014, , .		7
22637	Multi-walled Carbon Nanotubes/Unsaturated Polyester Composites: Mechanical and Thermal Properties Study. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 820-833.	2.1	14
22638	Reduction of residual stresses in polymer composites using nano-additives. , 2014, , 350-373.		4
22639	Overview of Environmental Nanoscience. Frontiers of Nanoscience, 2014, 7, 1-54.	0.6	6
22640	On a Finite Element Approach to Predict the Thermal Conductivity of Carbon Fiber Reinforced Composite Materials. Defect and Diffusion Forum, 2014, 354, 215-225.	0.4	5
22641	CHAPTER 5. Nanotubes for Energy Storage. RSC Nanoscience and Nanotechnology, 2014, , 121-198.	0.2	0

#	ARTICLE	IF	CITATIONS
22642	Synthesis, characterization and application of amino-functionalized multi-walled carbon nanotubes for effective fast removal of methyl orange from aqueous solution. RSC Advances, 2014, 4, 55162-55172.	3.6	71
22643	Vibrating screen printed electrode of gold nanoparticle-modified carbon nanotubes for the determination of arsenic(III). Journal of Applied Electrochemistry, 2014, 44, 1255-1260.	2.9	21
22644	The study of structural properties of carbon nanotubes decorated with NiFe ₂ O ₄ nanoparticles and application of nano-composite thin film as H ₂ S gas sensor. Materials Science and Engineering C, 2014, 44, 417-421.	7.3	25
22645	Simultaneous voltammetric determination of ascorbic acid and uric acid using a seven-hole carbon nanotube paste multielectrode array. Analytical Methods, 2014, 6, 8965-8972.	2.7	15
22646	Carbon Nanotube-Based Polymer Composite Thermoelectric Generators. ACS Symposium Series, 2014, , 191-211.	0.5	4
22647	Enhanced oxidized regenerated cellulose with functionalized multiwalled carbon nanotubes for hemostasis applications. RSC Advances, 2014, 4, 52372-52378.	3.6	20
22648	Carbon nanotube bridged cerium phenylphosphonate hybrids, fabrication and their effects on the thermal stability and flame retardancy of the HDPE/BFR composite. Journal of Materials Chemistry A, 2014, 2, 2999.	10.3	59
22649	Catalyst free silica templated porous carbon nanoparticles from bio-waste materials. Chemical Communications, 2014, 50, 12702-12705.	4.1	77
22650	Surface functionalization of multiwalled carbon nanotube for biosensor device application. , 2014, , .		7
22651	Structural instabilities and wrinkles at the grain boundaries in 2-D h-BN: a first-principles analysis. Physical Chemistry Chemical Physics, 2014, 16, 21664-21672.	2.8	13
22652	Localized in situ polymerization on carbon nanotube surfaces for stabilized carbon nanotube dispersions and application for cobalt(ii) removal. RSC Advances, 2014, 4, 4856.	3.6	22
22653	From solid carbon sources to carbon nanotubes: a general water-assisted approach. RSC Advances, 2014, 4, 54244-54248.	3.6	4
22654	Computational Investigation of Mass Sensing Using Defective Double Walled Carbon Nanotubes. , 2014, 5, 482-488.		3
22655	Evaluations of Young's Modulus of Boron Nitride Nanotube Reinforced Nano-composites. , 2014, 6, 1899-1905.		16
22656	Thermal Conductivity of Freestanding Single Wall Carbon Nanotube Sheet by Raman Spectroscopy. ACS Applied Materials & Interfaces, 2014, 6, 19958-19965.	8.0	58
22657	Enhancement on the stability of electron field emission behavior of carbon nanotubes by coating ultrananocrystalline diamond films. , 2014, , .		0
22658	A Mo nanoscrew formed by crystalline Mo grains with high conductivity and excellent field emission properties. Nanoscale, 2014, 6, 4659-4668.	5.6	29
22659	Effective method to disperse and incorporate Carbon nanotubes in electroless Ni-P deposits. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
22660	Rhoeo discolor leaf extract as a novel immobilizing matrix for the fabrication of an electrochemical glucose and hydrogen peroxide biosensor. <i>Analytical Methods</i> , 2014, 6, 863-877.	2.7	5
22661	A short designed semi-aromatic organic nanotube “ synthesis, chiroptical characterization, and host properties. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8930-8941.	2.8	2
22662	Oxidative corrosion potential vs. pH diagram for single-walled carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 27224.	3.6	21
22663	In situ assembly of well-dispersed Ni nanoparticles on silica nanotubes and excellent catalytic activity in 4-nitrophenol reduction. <i>Nanoscale</i> , 2014, 6, 11181-11188.	5.6	100
22664	Throwing light on platinized carbon nanostructured composites for hydrogen generation. <i>Energy and Environmental Science</i> , 2014, 7, 4087-4094.	30.8	14
22665	Revealing the ameliorating effect of chromium oxide on a carbon nanotube catalyst in propane oxidative dehydrogenation. <i>RSC Advances</i> , 2014, 4, 40776-40781.	3.6	12
22666	Enhanced light sensing performance of a hybrid device developed using as-grown vertically aligned multiwalled carbon nanotubes on TCO substrates. <i>RSC Advances</i> , 2014, 4, 46970-46975.	3.6	7
22667	Adsorption of CO, SO ₂ , HCN, NH ₃ , and H ₂ CO on zigzag GaP nanotubes: a QM/MM study. <i>RSC Advances</i> , 2014, 4, 59056-59063.	3.6	7
22668	Advantage of CNTFET characteristics over MOSFET to reduce leakage power. , 2014, , .		27
22669	Simultaneous electrochemical determination of hydroquinone, catechol and resorcinol at Nafion/multi-walled carbon nanotubes/carbon dots/multi-walled carbon nanotubes modified glassy carbon electrode. <i>Electrochimica Acta</i> , 2014, 149, 237-244.	5.2	115
22670	Platinum“graphene hybrid nanostructure as anode and cathode electrocatalysts in proton exchange membrane fuel cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4912-4918.	10.3	33
22671	Thermal evaporation synthesis of SiC/SiO _x nanochain heterojunctions and their photoluminescence properties. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7761-7767.	5.5	50
22672	The effects of carbon nanotubes on nitrogen and phosphorus removal from real wastewater in the activated sludge system. <i>RSC Advances</i> , 2014, 4, 45953-45959.	3.6	25
22673	Plasmas for environmental issues: from hydrogen production to 2D materials assembly. <i>Plasma Sources Science and Technology</i> , 2014, 23, 063002.	3.1	76
22674	Determination of Sunset yellow in foods based on a facile electrochemical sensor. <i>Analytical Methods</i> , 2014, 6, 8760-8766.	2.7	15
22675	One-pot Functionalization of Short Carboxyl Multi-walled Carbon Nanotubes with Ninhydrin and Thiourea via Microwave and Thermal Methods and Their Effect on MKN-45 and MCF7 Cancer Cells. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 834-844.	2.1	6
22676	Bottom-up chemical synthesis of three-dimensional conjugated carbon nanostructures: from carbon nanocages to carbon nanotubes. <i>Organic Chemistry Frontiers</i> , 2014, 1, 1005-1009.	4.5	8
22677	Multifunctional materials and nanotechnology for assessing and monitoring civil infrastructures. , 2014, , 295-326.		1

#	ARTICLE	IF	CITATIONS
22678	High-yield bamboo-like porous carbon nanotubes with high-rate capability as anodes for lithium-ion batteries. RSC Advances, 2014, 4, 44852-44857.	3.6	34
22679	A simple method for fabricating silver nanotubes. RSC Advances, 2014, 4, 36671-36674.	3.6	2
22680	Determination of the band alignment of multi-walled carbon nanotubes decorated with cadmium sulfide. Applied Surface Science, 2014, 321, 283-288.	6.1	4
22681	Dynamic nanocrystal response and high temperature growth of carbon nanotube-ferroelectric hybrid nanostructure. Nanoscale, 2014, 6, 1064-1070.	5.6	5
22682	Molecular dynamics simulation of SnF ₂ nanostructures in the internal channels of single-walled carbon nanotubes. Physics of the Solid State, 2014, 56, 1472-1482.	0.6	1
22683	The Investigation of the Impact of Carbon Nano Tube on Bitumen and HMA Performance. Petroleum Science and Technology, 2014, 32, 2102-2108.	1.5	49
22684	Fundamental Science of Carbon Materials. , 2014, , 17-217.		14
22685	Plasma-surface interactions at nanoscales: a combinatorial theoretical, process diagnostics and surface microanalysis approach. Journal Physics D: Applied Physics, 2014, 47, 224009.	2.8	9
22686	Evaluating the Environmental Impacts of a Nano-Enhanced Field Emission Display Using Life Cycle Assessment: A Screening-Level Study. Environmental Science & Technology, 2014, 48, 1194-1205.	10.0	12
22687	Siloxane Core-Modified Organo Soluble Novel Polyimide/Multi-walled Carbon Nanotube Nanocomposites. Polymer-Plastics Technology and Engineering, 2014, 53, 903-916.	1.9	2
22688	Trends in Nanoscale Mechanics. , 2014, , .		4
22689	Direct observation of Pt-terminating carbyne on graphene. Carbon, 2014, 80, 382-386.	10.3	35
22690	Fullerenes generated from porous structures. Physical Chemistry Chemical Physics, 2014, 16, 25515-25522.	2.8	36
22691	Synthesis and fabrication of CNTs/Fe ₃ O ₄ @Pdop@Au nanocables by a facile approach. RSC Advances, 2014, 4, 44423-44426.	3.6	23
22692	Design of XNBR nanocomposites for underwater acoustic sensor applications: Effect of MWNT on dynamic mechanical properties and morphology. Journal of Applied Polymer Science, 2014, 131, n/a-n/a.	2.6	9
22693	Structural, morphological, dielectric and magnetic characterizations of Ni _{0.6} Cu _{0.2} Zn _{0.2} Fe ₂ O ₄ (NCZF/MWCNTs/PVDF) nanocomposites for multilayer chip inductor (MLCI) applications. Ceramics International, 2014, 40, 15821-15829.	4.8	46
22694	Terahertz science and technology of carbon nanomaterials. Nanotechnology, 2014, 25, 322001.	2.6	156
22695	Bioactive glass and glass-ceramic foam scaffolds for bone tissue restoration. , 2014, , 213-248.		6

#	ARTICLE	IF	CITATIONS
22696	Acceleration of Tri-Addition to [70]Fullerene by “Nanom Black” Fullerene Soot. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 196-201.	2.1	0
22697	Red-green-blue fluorescent hollow carbon nanoparticles isolated from chromatographic fractions for cellular imaging. Nanoscale, 2014, 6, 8162.	5.6	89
22698	Carbon nanotube“fullerene hybrid nanostructures by C₆₀ bombardment: formation and mechanical behavior. Physical Chemistry Chemical Physics, 2014, 16, 21615-21619.	2.8	18
22699	Supercapacitive properties of coiled carbon nanotubes directly grown on nickel nanowires. Journal of Materials Chemistry A, 2014, 2, 17446-17453.	10.3	30
22700	Modeling and Analysis of Pressure Sensor with Single Walled Carbon Nanotubes for Piezoresistive Transduction. , 2014, 5, 640-647.		3
22701	Cu@SiO ₂ nanowires: synthesis, cathodoluminescence and SERS response. RSC Advances, 2014, 4, 31887-31891.	3.6	1
22702	Electrical and optical properties of 4-N,N-dimethylamino-4“2-N“2-methyl-stilbazolium tosylate (DAST) modified by carbon nanotubes. Journal of Materials Chemistry C, 2014, 2, 2394.	5.5	24
22703	Aligned carbon nanotube reinforced high performance polymer composites with low erosive wear. Composites Part A: Applied Science and Manufacturing, 2014, 67, 86-95.	7.6	17
22704	Pyridyl-cyclodextrin for ultra-hydrosolubilization of [60]fullerene. Chemical Communications, 2014, 50, 8339-8342.	4.1	17
22705	Disaggregation of heteroaggregates composed of multiwalled carbon nanotubes and hematite nanoparticles. Environmental Sciences: Processes and Impacts, 2014, 16, 1371-1378.	3.5	10
22706	Alkynylation of carbon nanotube by a peptide bond. Materials Letters, 2014, 133, 64-66.	2.6	2
22707	Polymer“Polymer and Single Polymer Composites Involving Nanofibrillar Poly(vinylidene Fluoride): Manufacturing and Mechanical Properties. Journal of Macromolecular Science - Physics, 2014, 53, 1168-1181.	1.0	12
22708	Dispersion and characterization of arc discharge single-walled carbon nanotubes “ towards conducting transparent films. Nanoscale, 2014, 6, 3695.	5.6	22
22709	Different effects of substrates on the morphologies of single-walled carbon nanotubes. Science Bulletin, 2014, 59, 2318-2323.	1.7	2
22710	Spiers Memorial Lecture : Advances of carbon nanomaterials. Faraday Discussions, 2014, 173, 9-46.	3.2	24
22711	Synthesis of carbon nanotubes using Cu-Cr-O as catalyst by chemical vapor deposition. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 928-932.	1.0	0
22712	Single“walled carbon nanotube and graphene nanodelivery of gambogic acid increases its cytotoxicity in breast and pancreatic cancer cells. Journal of Applied Toxicology, 2014, 34, 1188-1199.	2.8	46
22713	Synthesis, Structures, and Physical Properties of Aromatic Molecular-Bowl Hydrocarbons. Topics in Current Chemistry, 2014, 349, 63-120.	4.0	57

#	ARTICLE	IF	CITATIONS
22714	Al ₁₂ N ₁₂ nanocage as a potential sensor for phosgene detection. Canadian Journal of Chemistry, 2014, 92, 605-610.	1.1	40
22715	Chemical "top-down" synthesis of amphiphilic superparamagnetic Fe ₃ O ₄ nanobelts from exfoliated FeOCl layers. Dalton Transactions, 2014, 43, 16173-16177.	3.3	13
22716	Photoluminescent carbon soot particles derived from controlled combustion of camphor for superhydrophobic applications. RSC Advances, 2014, 4, 11331.	3.6	99
22717	Simple and highly efficient direct thiolation of the surface of carbon nanotubes. RSC Advances, 2014, 4, 14777-14780.	3.6	17
22718	A maize-like FePO ₄ @MCNT nanowire composite for sodium-ion batteries via a microemulsion technique. Journal of Materials Chemistry A, 2014, 2, 7221-7228.	10.3	58
22719	Synthesis and characterization of MWCNT-graft-polyisoprene via ARGET ATRP. RSC Advances, 2014, 4, 26468.	3.6	18
22720	Sensitive spectrophotometric determination of fluoxetine from urine samples using charge transfer complex formation after solid phase extraction by magnetic multiwalled carbon nanotubes. Analytical Methods, 2014, 6, 8633-8639.	2.7	18
22721	Protuberant arrays of carbon nanotubes grown on substrate irradiated with MeV-energy protons. Surface and Coatings Technology, 2014, 259, 647-653.	4.8	2
22722	Hollow micro/nanostructured materials prepared by ion exchange synthesis and their potential applications. New Journal of Chemistry, 2014, 38, 1883-1904.	2.8	24
22723	Modelling and simulation of power controllable field-emission lamps using carbon nano coil cathodes. , 2014, , .		0
22724	Chemical vapor deposition synthesis of carbon nanospheres over Fe-based glassy alloy particles. Journal of Alloys and Compounds, 2014, 617, 816-822.	5.5	9
22725	CaH ₂ -assisted low temperature synthesis of metallic magnetic nanoparticle-loaded multiwalled carbon nanotubes. Chemical Communications, 2014, 50, 6866.	4.1	9
22726	Anion concentration control in the self-assembly of symmetrical 1,1'-bis(4-tert-butyl-1H-imidazol-2-yl)-4,4'-biphenyl-tetramethyl-cucurbit[6]uril-based tubular architectures. RSC Advances, 2014, 4, 18323.	3.6	17
22727	The effect of a nickel layer for the field emission properties of carbon nano-fiber. , 2014, , .		0
22728	A novel nitrite biosensor based on direct electron transfer of hemoglobin immobilized on a graphene oxide/Au nanoparticles/multiwalled carbon nanotubes nanocomposite film. RSC Advances, 2014, 4, 31573.	3.6	21
22729	Fabrication and formation mechanism of Mn ₂ O ₃ hollow nanofibers by single-spinneret electrospinning. CrystEngComm, 2014, 16, 6907-6913.	2.6	64
22730	Covalent-organic framework as a template to assemble carbon nanotubes into a high-density membrane: computational demonstration. Nanoscale, 2014, 6, 772-777.	5.6	4
22731	Polyimide nanocomposites with boron nitride-coated multi-walled carbon nanotubes for enhanced thermal conductivity and electrical insulation. Journal of Materials Chemistry A, 2014, 2, 20958-20965.	10.3	130

#	ARTICLE	IF	CITATIONS
22732	Î2-Sialon nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. <i>Nanoscale</i> , 2014, 6, 424-432.	5.6	23
22733	Creation of a polymer backbone in lipid bilayer membrane-based nanotubes for morphological and microenvironmental stabilization. <i>RSC Advances</i> , 2014, 4, 33194-33197.	3.6	12
22734	Development of a simple bioelectrode for the electrochemical detection of hydrogen peroxide using <i>Pichia pastoris</i> catalase immobilized on gold nanoparticle nanotubes and polythiophene hybrid. <i>Analyst</i> , The, 2014, 139, 5800-5812.	3.5	31
22735	Frequency response of primary resonance of electrostatically actuated CNT cantilevers. <i>Nonlinear Dynamics</i> , 2014, 78, 1827-1837.	5.2	31
22736	Li ion/vapor grown carbon fiber polymer actuators show higher performance than single-walled carbon nanotube polymer actuators. <i>Journal of Materials Chemistry A</i> , 2014, 2, 130-135.	10.3	6
22737	Organocatalysis for new chiral fullerene-based materials. <i>Faraday Discussions</i> , 2014, 173, 311-22.	3.2	11
22738	Confotronic dynamics of tubular filaments. <i>Soft Matter</i> , 2014, 10, 2836.	2.7	5
22739	Microwave-assisted synthesis of Cu ₂ O microcrystals with systematic shape evolution from octahedral to cubic and their comparative photocatalytic activities. <i>RSC Advances</i> , 2014, 4, 38059-38063.	3.6	17
22740	Upcycle waste plastics to magnetic carbon materials for dye adsorption from polluted water. <i>RSC Advances</i> , 2014, 4, 26817.	3.6	13
22741	Free energy landscapes of the encapsulation mechanism of DNA nucleobases onto carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 1310-1321.	3.6	15
22742	Concentration-dependent properties of amorphous carbon nanotube/silica composites via the sol-gel technique. <i>CrystEngComm</i> , 2014, 16, 8570-8575.	2.6	25
22743	Some Studies on Mechanical Properties of Epoxy/CTBN/Clay based Polymer Nanocomposites (PNC). , 2014, 5, 787-794.		8
22744	Graphene anchored with ZrO ₂ nanoparticles as anodes of lithium ion batteries with enhanced electrochemical performance. <i>RSC Advances</i> , 2014, 4, 8472-8480.	3.6	28
22745	Development of epoxy mixtures for application in aeronautics and aerospace. <i>RSC Advances</i> , 2014, 4, 15474-15488.	3.6	133
22746	CdS nanorod arrays with TiO ₂ nano-coating for improved photostability and photocatalytic activity. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 15339.	2.8	46
22747	Co-Generation of Electric Power and Carbon Nanotubes from Dimethyl Ether (DME). <i>Fuel Cells</i> , 2014, 14, 561-565.	2.4	2
22748	Green silver nanobioarchitectures with amplified antioxidant and antimicrobial properties. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3221-3231.	5.8	18
22749	Transverse vibration analysis of single-layered graphene sheet under magneto-thermal environment based on nonlocal plate theory. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	14

#	ARTICLE	IF	CITATIONS
22750	Hyperbranched polyol decorated carbon nanotube by click chemistry for functional polyurethane urea hybrid composites. RSC Advances, 2014, 4, 24420-24427.	3.6	20
22751	Fullerene filling modulates carbon nanotube radial elasticity and resistance to high pressure. RSC Advances, 2014, 4, 1107-1115.	3.6	10
22752	A hybrid continuum and molecular mechanics model for the axial buckling of chiral single-walled carbon nanotubes. Current Applied Physics, 2014, 14, 1360-1368.	2.4	21
22753	Highly Efficient Hyperbranched CNT Surfactants: Influence of Molar Mass and Functionalization. Langmuir, 2014, 30, 12200-12209.	3.5	17
22754	Effect of Chiral Angle on Tensile Behavior Modeling of Single-Walled Carbon Nanotubes. Mechanics of Advanced Materials and Structures, 2014, 21, 505-515.	2.6	7
22755	A 1D/2D Helical CdS/ZnIn ₂ S ₄ Nano-Heterostructure. Angewandte Chemie - International Edition, 2014, 53, 2339-2343.	13.8	232
22756	Scaled Synthesis of Boron Nitride Nanotubes, Nanoribbons, and Nanococoons Using Direct Feedstock Injection into an Extended-Pressure, Inductively-Coupled Thermal Plasma. Nano Letters, 2014, 14, 4881-4886.	9.1	125
22757	First-principles calculations of the indigo encapsulation and adsorption by MgO nanotubes. Journal of Applied Physics, 2014, 115, 213507.	2.5	2
22758	Pd nanoparticles with tunable diameter deposited on carbon nanotubes with enhanced hydrogen storage capacity. Energy, 2014, 75, 549-554.	8.8	58
22759	RF-PECVD growth and nitrogen plasma functionalization of CNTs on copper foil for electrochemical applications. Diamond and Related Materials, 2014, 49, 55-61.	3.9	19
22760	Chemical and biological sensing with carbon nanotubes (CNTs). , 2014, , 3-27.		2
22762	Molecular dynamics study of carbon-nanotube shuttle-memory on graphene nanoribbon array. Computational Materials Science, 2014, 93, 164-168.	3.0	5
22763	Electrocatalysis of oxygen reduction on carbon nanotubes with different surface functional groups in acid and alkaline solutions. International Journal of Hydrogen Energy, 2014, 39, 16964-16975.	7.1	29
22764	The relationship between the diameter of chemically-functionalized multi-walled carbon nanotubes and their organ biodistribution profiles in vivo. Biomaterials, 2014, 35, 9517-9528.	11.4	57
22765	Enhancement of the Stability of Electron Field Emission Behavior and the Related Microplasma Devices of Carbon Nanotubes by Coating Diamond Films. ACS Applied Materials & Interfaces, 2014, 6, 11589-11597.	8.0	24
22766	Effects of carbon nanomaterials on the aggregation of a bi-oxadiazole derivative (BOXD-T8) in DMF and its gel properties. New Journal of Chemistry, 2014, 38, 4823-4829.	2.8	4
22767	Chemical and morphological characterization of multi-walled-carbon nanotubes synthesized by carbon deposition from an ethanol-glycerol blend. Diamond and Related Materials, 2014, 50, 38-48.	3.9	36
22768	Syntheses, structures and photocatalytic properties of five new praseodymium-antimony oxochlorides: from discrete clusters to 3D inorganic-organic hybrid racemic compounds. Dalton Transactions, 2014, 43, 10064-10073.	3.3	14

#	ARTICLE	IF	CITATIONS
22769	Carbon nanostructures grown on 3D silicon carbide foams: Role of intermediate silica layer and metal growth. Chemical Engineering Journal, 2014, 258, 110-118.	12.7	11
22770	Vibration of nonuniform carbon nanotube with attached mass via nonlocal Timoshenko beam theory. Journal of Mechanical Science and Technology, 2014, 28, 3741-3747.	1.5	11
22771	Hysteresis and compensation behaviors of spin-3/2 cylindrical Ising nanotube system. Journal of Applied Physics, 2014, 116, .	2.5	38
22772	Properties assessment of multiwalled carbon nanotubes: A comparative study. Synthetic Metals, 2014, 197, 159-167.	3.9	15
22773	One-Dimensional Titanium Dioxide Nanomaterials: Nanotubes. Chemical Reviews, 2014, 114, 9385-9454.	47.7	1,045
22774	Anomalous exchange interaction between intrinsic spins in conducting graphene systems. Physical Review B, 2014, 89, .	3.2	6
22775	Mechanical Properties of Hydrogenated Carbon Nanotubes (C ₄ HNTs): A Theoretical Study. Journal of Physical Chemistry C, 2014, 118, 16087-16094.	3.1	7
22776	Single-walled carbon nanotubes as high pressure nanocontainer. International Journal of Modern Physics B, 2014, 28, 1450074.	2.0	1
22778	Improved Polymer Encapsulation on Multiwalled Carbon Nanotubes by Selective Plasma Induced Controlled Polymer Grafting. ACS Applied Materials & Interfaces, 2014, 6, 664-670.	8.0	36
22779	Phonon Structures and Raman Effect of Carbon Nanotubes and Graphene. , 2014, , 99-149.		2
22780	Separation and re-adhesion processes of two adhered single-walled carbon nanotube bundles. Journal Physics D: Applied Physics, 2014, 47, 115301.	2.8	1
22781	Perspectives on the Growth of High Edge Density Carbon Nanostructures: Transitions from Vertically Oriented Graphene Nanosheets to Graphenated Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 16126-16132.	3.1	15
22782	Electronic and magnetic structures of coronene-based graphitic nanoribbons. Physical Chemistry Chemical Physics, 2014, 16, 3603.	2.8	10
22783	The mechanical and electrical properties of carbon nanotube-grafted polyimide nanocomposites. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 960-966.	2.1	10
22784	Optical resonators based on carbon nanotube for photonics applications. , 2014, , .		0
22785	Perovskites as Substitutes of Noble Metals for Heterogeneous Catalysis: Dream or Reality. Chemical Reviews, 2014, 114, 10292-10368.	47.7	685
22786	Effect of mechanical alloying time and rotation speed on evolution of CNTs/Al-2024 composite powders. Transactions of Nonferrous Metals Society of China, 2014, 24, 2380-2386.	4.2	35
22787	Thermal Properties of Solids at Room and Cryogenic Temperatures. The International Cryogenics Monograph Series, 2014, , .	0.1	25

#	ARTICLE	IF	CITATIONS
22788	Facile synthesis of carbon nanotubes and their use in the fabrication of resistive switching memory devices. RSC Advances, 2014, 4, 9905.	3.6	39
22789	Fabrication, modification, and biomedical applications of anodized TiO ₂ nanotube arrays. RSC Advances, 2014, 4, 17300-17324.	3.6	124
22790	Controlled Dielectric Properties of Polymer Composites from Coating Multiwalled Carbon Nanotubes with Octa-acrylate Silsesquioxane through Diels-Alder Cycloaddition and Atom Transfer Radical Polymerization. Industrial & Engineering Chemistry Research, 2014, 53, 6699-6707.	3.7	50
22791	The excitonic effects in single and double-walled boron nitride nanotubes. Journal of Chemical Physics, 2014, 140, 244701.	3.0	5
22792	Vacuum-Assisted Layer-by-Layer Nanocomposites for Self-Standing 3D Mesoporous Electrodes. Chemistry of Materials, 2014, 26, 5310-5318.	6.7	38
22793	Study of CNTs structural evolution during water assisted growth and transfer methodology for electrochemical applications. Materials Chemistry and Physics, 2014, 148, 914-922.	4.0	16
22794	High-yield synthesis of graphene quantum dots with strong green photoluminescence. RSC Advances, 2014, 4, 50141-50144.	3.6	98
22795	Hydrogen storage in hydride-forming materials. , 2014, , 368-409.		10
22796	Inclusion and exclusion of self-assembled molecules inside graphene scrolls and control of their inner-tube diameter. RSC Advances, 2014, 4, 35943.	3.6	12
22797	Characterization of Interlayer Sliding Deformation for Individual Multiwalled Carbon Nanotubes Using Electrostatically Actuated Nanotensile Testing Device. Journal of Microelectromechanical Systems, 2014, 23, 944-954.	2.5	9
22798	Properties of pentacene-based films prepared using a heated tungsten mesh. Thin Solid Films, 2014, 570, 20-26.	1.8	11
22799	Morphology and dynamic-mechanical properties of PVC/NBR blends reinforced with two types of nanoparticles. Journal of Composite Materials, 2014, 48, 131-141.	2.4	30
22800	Flexible transparent conductive heater using multiwalled carbon nanotube sheet. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, .	1.2	37
22801	Rational Synthesis of Dimensionally Reduced TiS ₂ Phases. Chemistry of Materials, 2014, 26, 4776-4780.	6.7	10
22802	Carbon nanotubes as nano-electro mechanical devices. , 2014, , .		0
22803	Controlled growth of crystalline g-C ₃ N ₄ nanocone arrays by plasma sputtering reaction deposition. Carbon, 2014, 79, 578-589.	10.3	33
22804	Nanoscale Soldering of Axially Positioned Single-Walled Carbon Nanotubes: A Molecular Dynamics Simulation Study. ACS Applied Materials & Interfaces, 2014, 6, 2044-2050.	8.0	50
22805	Ultrananocrystalline Diamond-Decorated Silicon Nanowire Field Emitters. ACS Applied Materials & Interfaces, 2014, 6, 13815-13822.	8.0	20

#	ARTICLE	IF	CITATIONS
22806	Carbon dots obtained using hydrothermal treatment of formaldehyde. Cell imaging in vitro. <i>Nanoscale</i> , 2014, 6, 9071-9077.	5.6	79
22807	Extensive Energy Landscape Sampling of Nanotube End-Caps Reveals No Chiral-Angle Bias for Their Nucleation. <i>ACS Nano</i> , 2014, 8, 1899-1906.	14.6	34
22808	Electrospun V ₂ O ₅ -doped \pm -Fe ₂ O ₃ composite nanotubes with tunable ferromagnetism for high-performance supercapacitor electrodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15495.	10.3	67
22809	Nanocomposite of polypyrrole with the nanophotoadduct of sodium pentacyanonitrosylferrate(II) dihydrate and EDTA: A potential candidate for capacitor and a sensor for HF radio wave detection. <i>Synthetic Metals</i> , 2014, 198, 76-83.	3.9	15
22810	Fabrication of conductive, transparent and superhydrophobic thin films consisting of multi-walled carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 30368.	3.6	28
22811	Wave propagation of magnetic nanofluid-conveying double-walled carbon nanotubes in the presence of longitudinal magnetic field. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems</i> , 2014, 228, 82-92.	0.1	2
22812	NIR initiated and pH sensitive single-wall carbon nanotubes for doxorubicin intracellular delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 1125.	5.8	39
22814	A theoretical study on pristine and doped germanium carbide nanoclusters. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4193-4199.	2.2	9
22815	Multilithiation Effect on the First Hyperpolarizability of Carbonâ€“Boronâ€“Nitride Heteronanotubes: Activating Segment versus Connecting Pattern. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14185-14191.	3.1	33
22816	First principles study on the electronic transport properties of C60 and B80 molecular bridges. <i>Journal of Applied Physics</i> , 2014, 116, 073703.	2.5	1
22817	Effect of catalyst film thickness on the structures of vertically-oriented few-layer graphene grown by PECVD. <i>RSC Advances</i> , 2014, 4, 44434-44441.	3.6	10
22818	Synthesis of Fullerene-like WS ₂ Nanoparticles in a Particulately Fluidized Bed: Kinetics and Reaction Phase Diagram. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 592-600.	3.7	9
22819	Dimethyl Terephthalate Hydrogenation to Dimethyl Cyclohexanedicarboxylates over Bimetallic Catalysts on Carbon Nanotubes. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4604-4613.	3.7	49
22820	A review of helical nanostructures: growth theories, synthesis strategies and properties. <i>Nanoscale</i> , 2014, 6, 9366.	5.6	123
22821	Advances and challenges for flexible energy storage and conversion devices and systems. <i>Energy and Environmental Science</i> , 2014, 7, 2101.	30.8	767
22822	Synthesis of silver nanoparticles on surface-functionalized multi-walled carbon nanotubes by ultraviolet initiated photo-reduction method. <i>Applied Surface Science</i> , 2014, 317, 49-55.	6.1	19
22823	Simultaneously High Stiffness and Damping in Nanoengineered Microtruss Composites. <i>ACS Nano</i> , 2014, 8, 3468-3475.	14.6	40
22824	A gold nanoparticle functionalized multiwalled carbon nanotubeâ€“poly(o-phenylenediamine) composite film for glucose biosensing applications. <i>Analytical Methods</i> , 2014, 6, 7752-7759.	2.7	26

#	ARTICLE	IF	CITATIONS
22825	Enhanced photoelectrocatalytic activity of Cr-doped TiO ₂ nanotubes modified with polyaniline. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 777-784.	4.0	32
22826	A DFT study on structural stability and electronic property of VIII B transition metal-doped carbon nanocaps. <i>Solid State Sciences</i> , 2014, 37, 6-12.	3.2	7
22827	Nanoparticles for photothermal therapies. <i>Nanoscale</i> , 2014, 6, 9494-9530.	5.6	1,562
22828	Poly(2,6-di(thiophene-2-yl)-3,5-bis(4-(thiophene-2-yl)phenyl)dithieno [3,2-b;2',3'-d]thiophene)/carbon nanotube composite for capacitor applications. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	9
22829	Experimental determination of core electron deformation in diamond. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2014, 70, 39-48.	0.1	63
22830	Inorganic Graphenylene: A Porous Two-Dimensional Material With Tunable Band Gap. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23670-23674.	3.1	76
22831	Applications of Carbon Nanotubes and Graphene in Spin Electronics. , 2014, , 253-278.		3
22832	Electron gas high-frequency conductivity on the surface of a nanotube with superlattice in magnetic field. <i>Physica B: Condensed Matter</i> , 2014, 451, 20-25.	2.7	5
22833	Irradiation effects in single-walled carbon nanotubes: Density-functional theory based treatments. <i>Computational Materials Science</i> , 2014, 93, 15-21.	3.0	5
22834	Mechanics of CNT-palladium Interfaces for Sensor Applications Simulated with Molecular Dynamics. , 2014, 3, 454-460.		8
22835	Magnetic single-walled carbon nanotubesâ€“dispersive solid-phase extraction method combined with liquid chromatographyâ€“tandem mass spectrometry for the determination of paraquat in urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 965, 85-90.	2.3	51
22836	Nanoscale vibration and buckling of single-walled carbon nanotubes using the meshless local Petrovâ€“Galerkin method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 63, 283-292.	2.7	19
22837	Preparation of vertically aligned carbon nanotubes and their electrochemical performance in supercapacitors. <i>Synthetic Metals</i> , 2014, 195, 252-259.	3.9	20
22838	New Opportunities for Polymer Nanocomposites in Microfluidics and Biomedical MEMS: An introduction to cutting-edge composite polymer materials for use in microfluidics and biomedical MEMS.. <i>IEEE Nanotechnology Magazine</i> , 2014, 8, 6-16.	1.3	7
22839	Influence of Temperature Change on Column Buckling of Double Walled Carbon Nanotubes Using Different Theories. <i>Energy Procedia</i> , 2014, 50, 634-641.	1.8	9
22840	Hybrid multi-scale basalt fiber-epoxy composite laminate reinforced with Electrospun polyurethane nanofibers containing carbon nanotubes. <i>Fibers and Polymers</i> , 2014, 15, 1295-1302.	2.1	29
22841	Fabrication of Single Wall Carbon Nanotubes-Based Poly(vinyl butyral) Nanocomposites with Enhanced Mechanical and Thermal Properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2014, 51, 369-377.	2.2	15
22842	Theoretical Study of Single-walled BC ₂ N Nanotubes for Chemical Sensing of Cyanate Ion. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 789-797.	2.1	1

#	ARTICLE	IF	CITATIONS
22843	The covalent bioconjugate of multiwalled carbon nanotube and amino- ϵ -modified linearized plasmid DNA for gene delivery. <i>Biotechnology Progress</i> , 2014, 30, 224-232.	2.6	28
22844	Formation and characterization of carbon-metal nano-contacts. <i>Carbon</i> , 2014, 77, 906-911.	10.3	18
22845	Preparation of carbon nanotube monoliths by high-pressure compaction. <i>New Carbon Materials</i> , 2014, 29, 193-202.	6.1	9
22846	One-step surface modification of multi-walled carbon nanotubes by pyrrole. <i>Materials Letters</i> , 2014, 134, 91-94.	2.6	10
22847	Facile synthesis of carbon nanotubes via low temperature pyrolysis of ferrocene. <i>Journal of Crystal Growth</i> , 2014, 404, 44-47.	1.5	10
22848	Solid source growth of Si oxide nanowires promoted by carbon nanotubes. <i>Applied Surface Science</i> , 2014, 314, 119-123.	6.1	3
22849	Single stage production of carbon nanotubes using microwave technology. <i>Diamond and Related Materials</i> , 2014, 48, 52-59.	3.9	49
22850	Multiwalled carbon nanotube-derived superior electrical, mechanical and thermal properties in MgB ₂ wires. <i>Scripta Materialia</i> , 2014, 88, 13-16.	5.2	30
22851	Metastable host-guest structure of carbon. <i>Journal of Superhard Materials</i> , 2014, 36, 246-256.	1.2	2
22852	Tailorable Aqueous Dispersion of Single-Walled Carbon Nanotubes Using Tetrachloroperylene-Based Bolaamphiphiles via Noncovalent Modification. <i>Langmuir</i> , 2014, 30, 8615-8620.	3.5	21
22853	Carbon Nanotube-Loaded Nafion Film Electrochemical Sensor for Metal Ions: Europium. <i>Analytical Chemistry</i> , 2014, 86, 4354-4361.	6.5	56
22854	Toward hard yet tough ceramic coatings. <i>Surface and Coatings Technology</i> , 2014, 258, 1-16.	4.8	168
22855	Single-wall carbon nanotubes based near-infrared sensors on flexible substrate. , 2014, , .		2
22856	Oxygen decorating at the one ring and at the N-mouth of (10, 0) aluminum nitride nanotube: A DFT investigation. <i>Open Chemistry</i> , 2014, 12, 131-139.	1.9	0
22857	Transmission electron microscopy (TEM) of graphene. , 2014, , 101-123.		16
22858	Graphene produced by electrochemical exfoliation. , 2014, , 81-98.		5
22859	Polyethylenimine Carbon Nanotube Fiber Electrodes for Enhanced Detection of Neurotransmitters. <i>Analytical Chemistry</i> , 2014, 86, 8568-8575.	6.5	77
22860	Atomic structure and physical properties of fused porphyrin nanoclusters. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 552-568.	0.8	2

#	ARTICLE	IF	CITATIONS
22861	Iron-Oxide-Supported Nanocarbon in Lithium-Ion Batteries, Medical, Catalytic, and Environmental Applications. ACS Nano, 2014, 8, 7571-7612.	14.6	157
22862	DFT Study of the Elastic Properties of Pristine and Moderately Fluorinated Single-walled Carbon Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 781-788.	2.1	7
22863	CHAOTIC BEHAVIOR AND ITS CONTROL IN THE SINGLE-WALL CARBON NANOTUBE. International Journal of Modern Physics B, 2014, 28, 1450005.	2.0	4
22864	An XFEM multiscale approach for fracture analysis of carbon nanotube reinforced concrete. Theoretical and Applied Fracture Mechanics, 2014, 72, 64-75.	4.7	70
22865	Structure of calcinaksite $\text{KNa}[\text{Ca}(\text{H}_2\text{O})][\text{Si}_4\text{O}_{10}]$, the first hydrous member of the litidionite group of silicates with $[\text{Si}_8\text{O}_{20}]^{8-}$ tubes. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2014, 70, 768-775.	1.1	9
22866	Carbon nanotube based elastomer composites – an approach towards multifunctional materials. Journal of Materials Chemistry C, 2014, 2, 8446-8485.	5.5	163
22867	The electrically conductive scaffold as the skeleton of stem cell niche in regenerative medicine. Materials Science and Engineering C, 2014, 45, 671-681.	7.3	70
22868	Noncovalent Interaction of Carbon Nanostructures. Accounts of Chemical Research, 2014, 47, 2574-2581.	15.6	147
22869	Visible-light photocatalytic activity of NH_4NO_3 ion-exchanged nitrogen-doped titanate and TiO_2 nanotubes. Journal of Molecular Catalysis A, 2014, 394, 48-56.	4.8	21
22870	Solvent volume driven ZnO nanopetals thin films: Spray pyrolysis. Materials Letters, 2014, 134, 47-50.	2.6	27
22871	Functionalized multiwall carbon nanotubes strengthened GRP hybrid composites: Improved properties with optimum fiber content. Composites Part B: Engineering, 2014, 67, 84-94.	12.0	37
22872	Multi-walled carbon nanotube inhibits CA1 glutamatergic synaptic transmission in rat's hippocampal slices. Toxicology Letters, 2014, 229, 423-429.	0.8	20
22873	Nonlinear free vibrations of curved double walled carbon nanotubes using differential quadrature method. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 64, 95-105.	2.7	26
22874	Electronic properties of C-doped boron nitride nanotubes studied by first-principles calculations. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 64, 123-128.	2.7	20
22875	Carbon nanotube networks on different platforms. Carbon, 2014, 79, 1-18.	10.3	115
22876	Longitudinal unzipping of carbon nanotubes and their electrochemical performance in supercapacitors. Current Applied Physics, 2014, 14, 1335-1343.	2.4	19
22877	Dye Sensitized Solar Cell Based on Polyaniline-Carbon Nanotubes/Graphite Composite. ECS Journal of Solid State Science and Technology, 2014, 3, M55-M60.	1.8	13
22878	Acid mine drainage: Challenges and opportunities. Journal of Environmental Chemical Engineering, 2014, 2, 1785-1803.	6.7	394

#	ARTICLE	IF	CITATIONS
22879	Modification of conductive properties of (10,0) zigzag single-walled carbon nanotubes (SWCNT) by alkali metals absorption. Journal of Molecular Structure, 2014, 1076, 49-54.	3.6	10
22880	Multiwalled carbon nanotubes as a sorbent material for the solid phase extraction of lead from urine and subsequent determination by electrothermal atomic absorption spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2014, 101, 15-20.	2.9	12
22881	Substrate temperature effect on the growth of carbon nanowalls synthesized via microwave PECVD. Materials Research Bulletin, 2014, 58, 112-116.	5.2	21
22882	High-yield, in-situ fabrication and integration of horizontal carbon nanotube arrays at the wafer scale for robust ammonia sensors. Carbon, 2014, 78, 326-338.	10.3	20
22883	Encapsulation of paramagnetic diatomic molecules B ₂ , O ₂ and Ge ₂ inside C ₆₀ . Chemical Physics Letters, 2014, 610-611, 251-255.	2.6	17
22884	The electrical transport properties of nitrogen doped carbon microspheres. Materials Chemistry and Physics, 2014, 147, 908-914.	4.0	10
22885	Biosynthesized ruthenium nanoparticles supported on carbon nanotubes as efficient catalysts for hydrogenation of benzene to cyclohexane: An eco-friendly and economical bioreduction method. Applied Catalysis A: General, 2014, 484, 154-160.	4.3	53
22886	Effective control of nanodefects in multiwalled carbon nanotubes by acid treatment. Carbon, 2014, 78, 121-129.	10.3	114
22887	A theoretical study on surface reactivity of fluorinated (n,0) and (n,n) carbon nanotubes (n = 3-6). Canadian Journal of Chemistry, 2014, 92, 299-304.	1.1	2
22889	Polychiral Semiconducting Carbon Nanotube- Fullerene Solar Cells. Nano Letters, 2014, 14, 5308-5314.	9.1	109
22890	Biological Application of Carbon Nanotubes and Graphene. , 2014, , 279-312.		10
22891	In vitro and in vivo biocompatibility of multi-walled carbon nanotube/biodegradable polymer nanocomposite for bone defects repair. Journal of Bioactive and Compatible Polymers, 2014, 29, 350-367.	2.1	8
22893	Size, Dimensionality, and Strong Electron Correlation in Nanoscience. Accounts of Chemical Research, 2014, 47, 2951-2959.	15.6	49
22894	Microstructural characteristics and mechanical properties of carbon nanotube reinforced aluminum alloy composites produced by ball milling. Materials & Design, 2014, 64, 542-549.	5.1	95
22895	The fabrication of a Co (II) complex and multi-walled carbon nanotubes modified glass carbon electrode, and its application for the determination of dopamine. Journal of Electroanalytical Chemistry, 2014, 731, 14-19.	3.8	25
22896	Structure and Electronic States of Zinc-Doped Iron Oxide Nanotubes Prepared by a Surfactant-Assisted Sol-Gel Method. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 933-939.	3.7	2
22897	High performance fibre-reinforced composites for sustainable energy applications. , 2014, , 366-417.		2
22898	Investigation of the cutoff frequency of double linear halo lightly doped drain and source CNTFET. International Nano Letters, 2014, 4, 1.	5.0	7

#	ARTICLE	IF	CITATIONS
22899	Effect of N-Doping of Single-Walled Carbon Nanotubes on Bioelectrocatalysis of Laccase. Analytical Chemistry, 2014, 86, 5053-5060.	6.5	17
22900	Combination of Carbon Nitride and Carbon Nanotubes: Synergistic Catalysts for Energy Conversion. ChemSusChem, 2014, 7, 2303-2309.	6.8	84
22901	Molecular dynamics simulation on the effect of the distance between SWCNTs for short polymers diffusion among single wall carbon nanotubes. Computational Materials Science, 2014, 95, 446-450.	3.0	8
22902	A decade of uncertainty. Nature Nanotechnology, 2014, 9, 159-160.	31.5	23
22903	Reduced graphene oxide modified highly ordered TiO ₂ nanotube arrays photoelectrode with enhanced photoelectrocatalytic performance under visible-light irradiation. Physical Chemistry Chemical Physics, 2014, 16, 14800-14807.	2.8	86
22904	Silicon dioxide-poly(dimethylsiloxane) with a bilayer structure, incorporating multi-walled carbon nanotubes, supported on stainless steel wire as a solid-phase microextraction fiber for the determination of trace phthalate esters in drinking water samples. RSC Advances, 2014, 4, 12313.	3.6	8
22905	Preparation of micro-nano-composites of TiO ₂ /carbon nanostructures, C-CNT macroscopic shaping and their applications. Journal of Experimental Nanoscience, 2014, 9, 694-706.	2.4	1
22906	Effect of Multiwalled Carbon Nanotubes on the Properties of Poly(methyl methacrylate) in PMMA/CNT Nanocomposites. Macromolecular Symposia, 2014, 341, 75-89.	0.7	17
22907	One-dimensional nanostructure based materials for versatile photocatalytic applications. RSC Advances, 2014, 4, 12685.	3.6	205
22908	Conjugated Polymer-Assisted Dispersion of Single-Wall Carbon Nanotubes: The Power of Polymer Wrapping. Accounts of Chemical Research, 2014, 47, 2446-2456.	15.6	236
22909	Thermal conductivity and heat capacity of poly(3-octylthiophene-2,5 diyl) and its multi-wall carbon nanotube composites. Physica Scripta, 2014, 89, 105701.	2.5	4
22910	Green Approach to Decorate Multi-walled Carbon Nanotubes by Metal/Metal Oxide Nanoparticles. , 2014, 5, 69-75.		15
22911	Bioremediation in Latin America. , 2014, , .		6
22912	Studies on Supercapacitor Electrode Material from Activated Lignin-Derived Mesoporous Carbon. Langmuir, 2014, 30, 900-910.	3.5	342
22913	Al ₂ C monolayer: the planar tetracoordinate carbon global minimum. Nanoscale, 2014, 6, 10784.	5.6	82
22914	Bibliometric profile of top-cited single-author articles in the Science Citation Index Expanded. Journal of Informetrics, 2014, 8, 951-962.	2.9	22
22915	Preparation of electrochemically reduced graphene oxide/multi-wall carbon nanotubes hybrid film modified electrode, and its application to amperometric sensing of rutin. Journal of Chemical Sciences, 2014, 126, 1021-1029.	1.5	4
22916	Morphology, crystallization and mechanical properties of biodegradable poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Research, 2014, 22, 693-700.	2.4	3

#	ARTICLE	IF	CITATIONS
22917	A molecular dynamics simulation to investigate the thermal properties of SWCNT/poly(phenylenesulfone) nanocomposites. International Nano Letters, 2014, 4, 1.	5.0	2
22918	Synthesis and characterization of HDPE/N-MWNT nanocomposite films. Nanoscale Research Letters, 2014, 9, 288.	5.7	33
22919	Carbon nanotubes: properties, synthesis, purification, and medical applications. Nanoscale Research Letters, 2014, 9, 393.	5.7	865
22920	Effect of hydrodynamic diameter on the sieving of waterborne carbon nanotubes by porous membranes. Journal of Membrane Science, 2014, 470, 470-478.	8.2	9
22921	Synthesis and electrochemical properties of vanadium oxide materials and structures as Li-ion battery positive electrodes. Journal of Power Sources, 2014, 267, 831-873.	7.8	138
22922	Antibody nanosensors: a detailed review. RSC Advances, 2014, 4, 43725-43745.	3.6	74
22924	Critical Evaluation of Adsorption–Desorption Hysteresis of Heavy Metal Ions from Carbon Nanotubes: Influence of Wall Number and Surface Functionalization. Chemistry - an Asian Journal, 2014, 9, 1144-1151.	3.3	23
22925	Irradiation Damage Determined Field Emission of Ion Irradiated Carbon Nanotubes. ACS Applied Materials & Interfaces, 2014, 6, 5137-5143.	8.0	18
22926	Effective synthesis of well graphitized high yield bamboo-like multi-walled carbon nanotubes on copper loaded γ -alumina nanoparticles. Diamond and Related Materials, 2014, 50, 20-25.	3.9	14
22927	Properties of Natural Rubber Reinforced by Carbon Black-based Hybrid Fillers. Polymer-Plastics Technology and Engineering, 2014, 53, 818-823.	1.9	42
22928	Synthesis of carbon nanotubes by microwave heating: Influence of diameter of catalytic Ni nanoparticles on diameter of CNTs. Journal of Materials Chemistry A, 2014, 2, 2773.	10.3	21
22929	Dynamics of Topological Defects in Single-Walled Carbon Nanotubes during Catalytic Growth. Journal of Physical Chemistry C, 2014, 118, 4808-4817.	3.1	15
22930	New way to characterize the percolation threshold of polyethylene and carbon nanotube polymer composites using Fourier transform (FT) rheology. Korea Australia Rheology Journal, 2014, 26, 319-326.	1.7	17
22931	Why nanotubes grow chiral. Nature Communications, 2014, 5, 4892.	12.8	158
22932	Multiple reaction pathways of metallofullerenes investigated by transmission electron microscopy. Dalton Transactions, 2014, 43, 7359-7365.	3.3	3
22933	Significant Photoelectric Property Change Caused by Additional Nanoconfinement: A Study of Half-Dimensional Nanomaterials. Small, 2014, 10, 5042-5046.	10.0	18
22934	Modification of the surface chemistry of single- and multi-walled carbon nanotubes by HNO_3 and H_2SO_4 hydrothermal oxidation for application in direct contact membrane distillation. Physical Chemistry Chemical Physics, 2014, 16, 12237-12250.	2.8	52
22935	Sensitive voltammetric detection of caffeine in tea and other beverages based on a DNA-functionalized single-walled carbon nanotube modified glassy carbon electrode. Analytical Methods, 2014, 6, 7525-7531.	2.7	18

#	ARTICLE	IF	CITATIONS
22936	Processing of nanostructured polymers and advanced polymeric based nanocomposites. Materials Science and Engineering Reports, 2014, 85, 1-46.	31.8	190
22937	Synthesis and properties of melt processed poly(thiourea-azosulfone)/carbon nanotubes nanocomposites. Chinese Journal of Polymer Science (English Edition), 2014, 32, 64-72.	3.8	10
22938	Recent advances in the development of functionalized carbon nanotubes: a versatile vector for drug delivery. Journal of Materials Science, 2014, 49, 6845-6854.	3.7	30
22939	Hybrid S-valine functionalized multi-walled carbon nanotubes/poly(amid-imide) nanocomposites containing trimellitimidobenzene and 4-hydroxyphenyl benzamide moieties: preparation, processing, and thermal properties. Journal of Materials Science, 2014, 49, 7445-7453.	3.7	9
22940	Template-directed synthesis of ordered iron pyrite (FeS ₂) nanowires and nanotubes arrays. Journal of Sol-Gel Science and Technology, 2014, 72, 100-105.	2.4	15
22941	Horizontally networked carbon nanotubes grown on Au-Fe catalyst nanoparticles. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	2
22942	Supramolecular assembly of single-walled carbon nanotubes at air-solid interface. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	9
22943	Recent advances in multifunctional nanocarbons used in dye-sensitized solar cells. Energy and Environmental Science, 2014, 7, 1281.	30.8	83
22944	Are glycan biosensors an alternative to glycan microarrays?. Analytical Methods, 2014, 6, 6610-6620.	2.7	26
22945	Theoretical Study of Different Solvent and Temperature Effects on Double-walled Carbon Nanotubes (DWNTs) and Calixarene with Amino Acid: A QM/MM Study. Fullerenes Nanotubes and Carbon Nanostructures, 2014, 22, 346-361.	2.1	14
22946	Effects of electron exchange-correlation potential on electrostatic oscillations in single-walled carbon nanotubes. Journal of Applied Physics, 2014, 115, .	2.5	19
22947	Radial buckling of multi-walled carbon nanotubes under hydrostatic pressure. Applied Physics A: Materials Science and Processing, 2014, 117, 1103-1108.	2.3	3
22948	Adsorption and dissociation of nitrous oxide on pristine and defective BeO and ZnO nanotubes: DFT studies. Monatshefte für Chemie, 2014, 145, 1745-1752.	1.8	32
22949	Finite element and molecular dynamics models for predicting effective mechanical behaviors of carbon nanotube bundles. Acta Mechanica, 2014, 225, 3549-3558.	2.1	6
22950	Sumanene and its adsorption properties towards CO, CO ₂ and NH ₃ molecules. Journal of Molecular Modeling, 2014, 20, 2170.	1.8	46
22951	A study of interaction potentials for H ₂ adsorption in Single Walled Nano Tubes: a possible way to more realistic predictions. Journal of Molecular Modeling, 2014, 20, 2194.	1.8	1
22952	Computational study of graphene growth on copper by first-principles and kinetic Monte Carlo calculations. Journal of Molecular Modeling, 2014, 20, 2260.	1.8	27
22953	A hydrogen peroxide biosensor with high stability based on gelatin-multiwalled carbon nanotubes modified glassy carbon electrode. Journal of Solid State Electrochemistry, 2014, 18, 1981-1987.	2.5	15

#	ARTICLE	IF	CITATIONS
22954	Performance modeling and analysis of carbon nanotube bundles for future VLSI circuit applications. Journal of Computational Electronics, 2014, 13, 673-688.	2.5	15
22955	Effect of carbon nanotubes shape on the properties of multiwall carbon nanotubes/polyethylene flexible transparent conductive films. Journal of Materials Science: Materials in Electronics, 2014, 25, 2692-2696.	2.2	15
22956	A Theoretical Study on the Influence of Carbon and Silicon Doping on the Structural and Electronic Properties of (BeO) ₁₂ Nanocluster. Journal of Inorganic and Organometallic Polymers and Materials, 2014, 24, 694-705.	3.7	15
22957	Carbon nanotube and nanotubes encapsulating carbon atomic-chains. Journal of Mathematical Chemistry, 2014, 52, 1817-1830.	1.5	9
22958	Young's modulus prediction of hexagonal nanosheets and nanotubes based on dimensional analysis and atomistic simulations. Meccanica, 2014, 49, 1709-1719.	2.0	15
22959	Preparation, characterization, viscosity, and thermal conductivity of nitrogen-doped graphene aqueous nanofluids. Journal of Materials Science, 2014, 49, 7156-7171.	3.7	108
22960	Molecular Dynamics Studies of Graphite Exfoliation Using Supercritical CO ₂ . Challenges and Advances in Computational Chemistry and Physics, 2014, , 171-183.	0.6	3
22961	Direct Observation and Mechanism for Enhanced Electron Emission in Hydrogen Plasma-Treated Diamond Nanowire Films. ACS Applied Materials & Interfaces, 2014, 6, 8531-8541.	8.0	34
22962	Multi-wavelength Q-switched Erbium-doped fiber laser with photonic crystal fiber and multi-walled carbon nanotubes. Journal of Modern Optics, 2014, 61, 1133-1139.	1.3	16
22963	Al _x C Monolayer Sheets: Two-Dimensional Networks with Planar Tetracoordinate Carbon and Potential Applications as Donor Materials in Solar Cell. Journal of Physical Chemistry Letters, 2014, 5, 2058-2065.	4.6	95
22964	The nonlinear optical properties of nanotubes with spiral defects in a longitudinal magnetic field. Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta,) Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 33	0.7	0
22965	Engineering the resonance frequency of carbon-nanotube oscillators via a telescoping outertube. Journal of the Korean Physical Society, 2014, 64, 1586-1589.	0.7	0
22966	Submerged arc discharge technique to explore novel non-carbon nanotubes: Syntheses of nanotubes from ZnO and BaTiO ₃ . Japanese Journal of Applied Physics, 2014, 53, 048002.	1.5	3
22967	Supramolecularly Knitted Tethered Oligopeptide/Single-Walled Carbon Nanotube Organogels. Chemistry - A European Journal, 2014, 20, 8842-8847.	3.3	6
22968	Aqueous adsorption and removal of organic contaminants by carbon nanotubes. Science of the Total Environment, 2014, 482-483, 241-251.	8.0	318
22969	Silylation of oxidized multi-wall carbon nanotubes by catalyzed dehydrogenative cross-coupling between carboxylic and hydrosilane functions. Applied Surface Science, 2014, 305, 301-308.	6.1	4
22971	The effect of carbon nanotube orientation on erosive wear resistance of CNT-epoxy based composites. Carbon, 2014, 73, 421-431.	10.3	37
22972	Modification of Fatty Acids in Membranes of Bacteria: Implication for an Adaptive Mechanism to the Toxicity of Carbon Nanotubes. Environmental Science & Technology, 2014, 48, 4086-4095.	10.0	86

#	ARTICLE	IF	CITATIONS
22973	Multifunctional g-C ₃ N ₄ Nanofibers: A Template-Free Fabrication and Enhanced Optical, Electrochemical, and Photocatalyst Properties. ACS Applied Materials & Interfaces, 2014, 6, 1258-1265.	8.0	360
22974	Application of molecular dynamics to evaluate the design performance of low aspect ratio carbon nanotubes in fibre reinforced polymer resin. Composites Part A: Applied Science and Manufacturing, 2014, 65, 64-72.	7.6	23
22975	Low-frequency linear vibrations of single-walled carbon nanotubes: Analytical and numerical models. Journal of Sound and Vibration, 2014, 333, 2936-2957.	3.9	58
22976	The alkali and alkaline earth metal doped ZnO nanotubes: DFT studies. Physica B: Condensed Matter, 2014, 432, 105-110.	2.7	81
22977	Effective thermal conductivities of a novel fuzzy carbon fiber heat exchanger containing wavy carbon nanotubes. International Journal of Heat and Mass Transfer, 2014, 72, 440-451.	4.8	35
22979	Estimation of thermal conductivities of a novel fuzzy fiber reinforced composite. International Journal of Thermal Sciences, 2014, 76, 90-100.	4.9	48
22980	Design of 3D carbon nanotube-based nanostructures and prediction of their extra-strong mechanical properties under tension and compression. Computational Materials Science, 2014, 85, 324-331.	3.0	7
22981	Modulation of electric field on persistent current of carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1428-1433.	2.1	6
22982	Determination of sodium sulfide based on electrochemiluminescence of rhodamine B at a SWNT modified glassy carbon electrode. RSC Advances, 2014, 4, 16893-16898.	3.6	0
22983	Highly efficient photocatalytic treatment of dye wastewater via visible-light-driven AgBr/Ag ₃ PO ₄ /MWCNTs. Journal of Molecular Catalysis A, 2014, 383-384, 128-136.	4.8	37
22984	Preparation, characterization and electrochemical properties of a graphene-like carbon nano-fragment material. Electrochimica Acta, 2014, 130, 156-163.	5.2	23
22985	A Review of Graphene-Based Electrochemical Microsupercapacitors. Electroanalysis, 2014, 26, 30-51.	2.9	317
22986	Graphene quantum dots, graphene oxide, carbon quantum dots and graphite nanocrystals in coals. Nanoscale, 2014, 6, 7410-7415.	5.6	201
22987	Carbon nanotubes: properties, applications, and toxicity. , 2014, , 147-174.		7
22988	Gas sensor using a multi-walled carbon nanotube sheet to detect hydrogen molecules. Sensors and Actuators A: Physical, 2014, 211, 51-54.	4.1	48
22989	Nanostructured flame retardants: performance, toxicity, and environmental impact. , 2014, , 251-277.		4
22990	Torsional vibration of carbon nanotubes: Comparison of two nonlocal models and a semi-continuum model. International Journal of Mechanical Sciences, 2014, 82, 25-31.	6.7	71
22991	Phase Diagram of Solid-Phase Transformation in Amorphous Carbon Nanorods. Journal of Physical Chemistry A, 2014, 118, 9163-9172.	2.5	3

#	ARTICLE	IF	CITATIONS
22992	Improved properties of hydroxyapatite-carbon nanotube biocomposite: Mechanical, in vitro bioactivity and biological studies. <i>Ceramics International</i> , 2014, 40, 5635-5643.	4.8	61
22993	On the vibration of nanorods restrained by a linear spring in-span. <i>Mechanics Research Communications</i> , 2014, 57, 90-96.	1.8	33
22994	The Investigation of Sequence-dependent Interaction of Messenger RNA Binding to Carbon Nanotube. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014, 22, 643-662.	2.1	9
22995	A hydrogen gas sensor using a Pt-sputtered MWCNTs/ZnO nanostructure. <i>Measurement Science and Technology</i> , 2014, 25, 085103.	2.6	27
22996	Facile fabrication of Gd(OH) ₃ nanorod/RGO composite: Synthesis, characterisation and photocatalytic reduction of Cr(VI). <i>Chemical Engineering Journal</i> , 2014, 255, 78-88.	12.7	59
22997	Effect of Carbon Nanotube Waviness on the Load Transfer Characteristics of Short Fuzzy Fiber-Reinforced Composite. <i>Journal of Nanomechanics & Micromechanics</i> , 2014, 4, .	1.4	9
22998	Potential and prospective implementation of carbon nanotubes on next generation aircraft and space vehicles: A review of current and expected applications in aerospace sciences. <i>Progress in Aerospace Sciences</i> , 2014, 70, 42-68.	12.1	189
22999	Synthesis, Characterization, and Electrochemistry of Nanotubular Polypyrrole and Polypyrrole-Derived Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14770-14784.	3.1	98
23000	Enhancing the efficiency of lithium intercalation in carbon nanotube bundles using surface functional groups. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16003.	2.8	6
23001	Simultaneous determination of amantadine, rimantadine and memantine in chicken muscle using multi-walled carbon nanotubes as a reversed-dispersive solid phase extraction sorbent. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 965, 197-205.	2.3	41
23002	Analytical applications of nanomaterials in electrogenerated chemiluminescence. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5573-5587.	3.7	81
23003	Composite Titanium Dioxide Nanomaterials. <i>Chemical Reviews</i> , 2014, 114, 9853-9889.	47.7	580
23004	Evaluation of carbon nanotubes and graphene as reinforcements for UHMWPE-based composites in arthroplastic applications: A review. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014, 39, 129-145.	3.1	128
23005	Synthesis of a three dimensional structure of vertically aligned carbon nanotubes and graphene from a single solid carbon source. <i>RSC Advances</i> , 2014, 4, 13355.	3.6	13
23006	Electrochemical preparation of vertically aligned, hollow CdSe nanotubes and their p-n junction hybrids with electrodeposited Cu ₂ O. <i>Nanoscale</i> , 2014, 6, 9148-9156.	5.6	9
23007	Sequential multi-element determination of iron and zinc in water samples by high-resolution continuum source graphite furnace atomic absorption spectrometry after column solid-phase extraction onto multiwalled carbon nanotubes. <i>Microchemical Journal</i> , 2014, 117, 138-143.	4.5	21
23008	Analytical modeling and simulation of I-V characteristics in carbon nanotube based gas sensors using ANN and SVR methods. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2014, 137, 173-180.	3.5	18
23009	Site-dependent hydrogenation on graphdiyne. <i>Carbon</i> , 2014, 77, 829-834.	10.3	38

#	ARTICLE	IF	CITATIONS
23010	Carbon nanotubes adsorb U atoms differently in their inner and outer surfaces. RSC Advances, 2014, 4, 30074.	3.6	10
23011	Evaluation of mechanical properties of untwisted carbon nanotube yarn for application to composite materials. Carbon, 2014, 78, 356-365.	10.3	38
23012	Interaction of H ₂ with a Double-Walled Armchair Nanotube by First-Principles Calculations. Journal of Physical Chemistry C, 2014, 118, 15816-15824.	3.1	5
23013	Tribological properties of carbon nanotube/polyethylene oxide composite coatings. Composites Science and Technology, 2014, 101, 102-109.	7.8	22
23014	First-principles investigation of the electronic and field emission properties of C-doped ZnO nanotube. Structural Chemistry, 2014, 25, 1437-1442.	2.0	6
23015	A first principle study of pristine and BN-doped graphyne family. Structural Chemistry, 2014, 25, 1695-1710.	2.0	84
23016	Displacement and competitive sorption of organic pollutants on multiwalled carbon nanotubes. Environmental Science and Pollution Research, 2014, 21, 11979-11986.	5.3	11
23017	Conductivity of carbon-based molecular junctions from ab-initio methods. Frontiers of Physics, 2014, 9, 748-759.	5.0	5
23018	PtRu electrocatalysts on carbon nanotubes treated by phenylphosphonic acid for electrooxidation of methanol. Ionics, 2014, 20, 1127-1136.	2.4	2
23019	Nanostructured base electrochemical sensor for voltammetric determination of homocysteine using a modified single-walled carbon nanotubes paste electrode. Ionics, 2014, 20, 1481-1488.	2.4	9
23020	Electrochemical preparation and photoelectric properties of Cu ₂ O-loaded TiO ₂ nanotube arrays. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 23-28.	1.0	6
23021	Effects of carbon nanotubes on mechanical and 2D-3D microstructure properties of cement mortar. Journal Wuhan University of Technology, Materials Science Edition, 2014, 29, 513-517.	1.0	28
23022	Hot Extrusion of A356 Aluminum Metal Matrix Composite with Carbon Nanotube/Al ₂ O ₃ Hybrid Reinforcement. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2636-2645.	2.2	26
23023	Electronic Properties of SiNTs Under External Electric and Magnetic Fields Using the Tight-Binding Method. Journal of Electronic Materials, 2014, 43, 329-340.	2.2	10
23024	Atmosphere Plasma-Sprayed Carbon Nanotubes/Cordierite Nanocomposite Coatings for Microwave Absorption Applications. Journal of Thermal Spray Technology, 2014, 23, 1065-1072.	3.1	12
23025	Enhancing Performance of Uricase Using Multiwalled Carbon Nanotube Doped Polyaniline. Applied Biochemistry and Biotechnology, 2014, 174, 1174-1187.	2.9	19
23026	Enhanced precipitation nucleation rates in MWCNT reinforced aluminium alloy 6061 nanocomposites. Transactions of the Indian Institute of Metals, 2014, 67, 651-658.	1.5	3
23027	Study on the effect of carbon nanotubes on plastic composite reinforced with natural fiber. Journal of the Indian Academy of Wood Science, 2014, 11, 82-86.	0.9	34

#	ARTICLE	IF	CITATIONS
23028	Effects of MWCNT and nickel-coated carbon fiber on the electrical and morphological properties of polypropylene and polyamide 6 blends. <i>Macromolecular Research</i> , 2014, 22, 632-638.	2.4	22
23029	Nanocapillarity-induced elasticity in nanotubular structures. <i>Electronic Materials Letters</i> , 2014, 10, 525-528.	2.2	0
23030	Density functional study on the sensing properties of nano-sized BeO tube toward H ₂ S. <i>Journal of the Iranian Chemical Society</i> , 2014, 11, 725-731.	2.2	5
23031	The study of synthesis and functionalized single-walled carbon nanotubes with amide group. <i>International Nano Letters</i> , 2014, 4, 1.	5.0	17
23032	The effect of nanocomposite packaging carbon nanotube base on organoleptic and fungal growth of Mazafati brand dates. <i>International Nano Letters</i> , 2014, 4, 1.	5.0	24
23033	Modification and dispersion of multi-walled carbon nanotubes in water. <i>Russian Journal of Physical Chemistry A</i> , 2014, 88, 1191-1195.	0.6	1
23034	Detonation diamondâ€”A perspective carrier for drug delivery systems. <i>Russian Journal of General Chemistry</i> , 2014, 84, 379-390.	0.8	26
23035	Electric discharge in liquids as technique to obtain high-dispersed materials based on metals of IB group. <i>Russian Journal of General Chemistry</i> , 2014, 84, 986-997.	0.8	6
23036	Effect of multilayer carbon nanotubes on mechanical properties and phase transformations of ultra-high-molecular-weight polyethylene during drawing. <i>Nanotechnologies in Russia</i> , 2014, 9, 269-273.	0.7	0
23037	Noncovalent functionalization of multi-walled carbon nanotubes with pyrene-linked nylon66 for high performance nylon66/multi-walled carbon nanotube composites. <i>Carbon</i> , 2014, 72, 160-168.	10.3	45
23038	Influence of ultrasonic treatment in PP/CNT composites using masterbatch dilution method. <i>Polymer</i> , 2014, 55, 1745-1755.	3.8	46
23039	Modifications in structural and electrical properties of gamma irradiated CdSe nanowires. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 753, 116-120.	1.6	29
23040	Improved field emission properties of carbon nanotubes decorated with Ta layer. <i>Carbon</i> , 2014, 73, 114-124.	10.3	26
23041	Aluminum nitride graphene for DMMP nerve agent adsorption and detection. <i>Materials Chemistry and Physics</i> , 2014, 145, 260-267.	4.0	20
23042	Ultrahigh-Density sub-10 nm Nanowire Array Formation via Surface-Controlled Phase Separation. <i>Nano Letters</i> , 2014, 14, 4328-4333.	9.1	4
23043	Electrical Transducers. , 2014, , 169-232.		12
23044	Rapid and green functionalization of multi-walled carbon nanotubes by glucose: structural investigation and the preparation of dopamine-based poly(amide-imide) composites. <i>Polymer Bulletin</i> , 2014, 71, 2523-2542.	3.3	12
23045	Carbon nanotube-Cu hybrids enhanced catalytic activity in aqueous media. <i>Carbon</i> , 2014, 78, 10-18.	10.3	9

#	ARTICLE	IF	CITATIONS
23046	Low Vacuum Annealing of Cellulose Acetate on Nickel Towards Transparent Conductive CNTâ€“Graphene Hybrid Films. ACS Applied Materials & Interfaces, 2014, 6, 9071-9077.	8.0	30
23047	Space-charge waves in magnetized and collisional quantum plasma columns confined in carbon nanotubes. Physics of Plasmas, 2014, 21, 042506.	1.9	5
23048	A third-generation hydrogen peroxide biosensor based on horseradish peroxidase immobilized by solâ€“gel thin film on a multi-wall carbon nanotube modified electrode. Analytical Methods, 2014, 6, 6310-6315.	2.7	27
23049	3D nano/microfabrication techniques and nanobiomaterials for neural tissue regeneration. Nanomedicine, 2014, 9, 859-875.	3.3	98
23050	Carbon nanotube-induced morphological transformation for toughening of benzoxazole-containing semi-crystalline polyimide. RSC Advances, 2014, 4, 14024.	3.6	5
23051	Structure, Stability, and Infrared Spectrum of Capped Carbon Cones: A DFTB Study. Journal of Physical Chemistry C, 2014, 118, 24761-24768.	3.1	15
23052	Long-range resonant effects on electronic transport of nitrogen-doped carbon nanotubes. Physical Review B, 2014, 89, .	3.2	8
23053	A molecularly imprinted electrochemical enzymeless sensor based on functionalized gold nanoparticle decorated carbon nanotubes for methyl-parathion detection. RSC Advances, 2014, 4, 53701-53710.	3.6	28
23054	Piezoelectric effects and electromechanical theories at the nanoscale. Nanoscale, 2014, 6, 13314-13327.	5.6	127
23055	Conductive properties and mechanism of polyvinyl chloride doped by a multi-walled carbon nanotubeâ€“polypyrrole nano-complex dopant. RSC Advances, 2014, 4, 3966-3973.	3.6	17
23056	Modification of a glassy carbon electrode with a bilayer of multiwalled carbon nanotube/benzene disulfonate-doped polypyrrole: application to sensitive voltammetric determination of olanzapine. RSC Advances, 2014, 4, 40553-40560.	3.6	14
23057	Synthesis and characterization of a pair of temperature and cosolvent-dependent Zn(II)-organic frameworks containing a novel discrete single-walled Zn(II)-organic coordination polymer nanotube. Journal of Coordination Chemistry, 2014, 67, 1596-1612.	2.2	10
23058	Effect of non-ionic surfactants on thermomechanical properties of epoxy/multiwall carbon nanotubes composites. Progress in Organic Coatings, 2014, 77, 1883-1889.	3.9	23
23059	Characterizing and Understanding Divalent Adsorbates on Carbon Nanotubes with Ab Initio and Classical Approaches: Size, Chirality, and Coverage Effects. Journal of Chemical Theory and Computation, 2014, 10, 4672-4683.	5.3	4
23060	Engineering Preferential Adsorption of Single-Walled Carbon Nanotubes on Functionalized ST-cut Surfaces of Quartz. ACS Applied Materials & Interfaces, 2014, 6, 12665-12673.	8.0	1
23061	Analytical eigenspectra of alternant edge-weighted graphs of linear chains and cycles: some applications. Molecular Physics, 2014, 112, 2093-2106.	1.7	13
23062	Scientific basis of nanotechnology, implications for the food sector and future trends. Trends in Food Science and Technology, 2014, 40, 127-148.	15.1	119
23063	Measurement of anode surface temperature in carbon nanomaterial production by arc discharge method. Materials Research Bulletin, 2014, 60, 158-165.	5.2	18

#	ARTICLE	IF	CITATIONS
23064	Nanocomposite biomaterials based on poly(ether-ether-ketone) (PEEK) and WS ₂ inorganic nanotubes. Journal of Materials Chemistry B, 2014, 2, 4509.	5.8	35
23065	Preparation of Palladium Catalysts Supported on Carbon Nanotubes by an Electrostatic Adsorption Method. ChemCatChem, 2014, 6, 2600-2606.	3.7	33
23066	Controllable growth of single crystalline CdS nanotubes by thermal evaporation. Materials Letters, 2014, 136, 55-58.	2.6	15
23067	An analytical model and ANN simulation for carbon nanotube based ammonium gas sensors. RSC Advances, 2014, 4, 36896-36904.	3.6	11
23068	Nanosized Carbon Black Combined with Ni ₂ O ₃ as "Universal" Catalysts for Synergistically Catalyzing Carbonization of Polyolefin Wastes to Synthesize Carbon Nanotubes and Application for Supercapacitors. Environmental Science & Technology, 2014, 48, 4048-4055.	10.0	82
23069	Cu ₃ I ₇ Trimer and Cu ₄ I ₈ Tetramer Based Cuprous Iodide Polymorphs for Efficient Photocatalysis and Luminescent Sensing: Unveiling Possible Hierarchical Assembly Mechanism. Inorganic Chemistry, 2014, 53, 8376-8383.	4.0	90
23070	Electrically conductive multiphase polymer blend carbon-based composites. Polymer Engineering and Science, 2014, 54, 1-16.	3.1	120
23071	A Ferromagnetic Pure Carbon Structure Composed of Graphene and Nanotubes: First-Principles Calculations. Journal of Physical Chemistry C, 2014, 118, 8143-8147.	3.1	3
23072	Chirality-Controlled Carbon Nanotubes Fabricated by Self-Assembly of Graphene Nanoribbons. Journal of Physical Chemistry C, 2014, 118, 19477-19483.	3.1	17
23073	Thermochemistry, Morphology, and Optical Characterization of Germanium Allotropes. Chemistry of Materials, 2014, 26, 3263-3271.	6.7	23
23074	Controlling the Electronic Properties of Nanodiamonds via Surface Chemical Functionalization: A DFT Study. Journal of Physical Chemistry C, 2014, 118, 5530-5537.	3.1	28
23075	Impact of the concentration of multiwall carbon nanotubes on polyaniline. Journal of Information Display, 2014, 15, 111-117.	4.0	3
23076	Compositing Polyetherimide with Polyfluorene Wrapped Carbon Nanotubes for Enhanced Interfacial Interaction and Conductivity. ACS Applied Materials & Interfaces, 2014, 6, 9013-9022.	8.0	19
23077	Glucose Biosensing Using Glassy Carbon Electrode Modified with Polyhydroxy-C60, Glucose Oxidase and Ionic-liquid. Bio-Medical Materials and Engineering, 2014, 24, 2197-2202.	0.6	4
23078	Synthesis of branched, nano channeled, ultrafine and nano carbon tubes from PET wastes using the arc discharge method. Waste Management, 2014, 34, 2139-2145.	7.4	55
23079	Electronic-Transport Properties of Single-Walled Zigzag SiGe Nanotubes. Journal of Physical Chemistry C, 2014, 118, 18153-18159.	3.1	1
23080	Graphene/graphite sheet assisted growth of high-area-density horizontally aligned carbon nanotubes. Chemical Communications, 2014, 50, 11158-11161.	4.1	14
23081	Adsorption of Bovine Serum Albumin and Lysozyme on Functionalized Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 22249-22257.	3.1	59

#	ARTICLE	IF	CITATIONS
23082	Catalyst-Free Synthesis of Multiwalled Carbon Nanotubes via Microwave-Induced Processing of Biomass. Industrial & Engineering Chemistry Research, 2014, 53, 15012-15019.	3.7	66
23083	A DFT study on the interaction between glycine molecules/radicals and the (8, 0) SiCNT. Physical Chemistry Chemical Physics, 2014, 16, 17988-17997.	2.8	14
23084	Photoconductive Carbon Nanotube (CNT): A Potential Candidate for Future Renewable Energy. Advanced Materials Research, 0, 925, 48-51.	0.3	4
23085	Tunable electronic properties of ultra-thin boron-carbon-nitrogen heteronanotubes for various compositions. Journal of Molecular Modeling, 2014, 20, 2371.	1.8	2
23086	Enhancement of carbon nanotube growth yield on Inconel 600 substrates through the surface pretreatments combining thermal annealing and plasma ion bombardment. Current Applied Physics, 2014, 14, 8-12.	2.4	5
23087	Low-humidity sensing properties of carboxylic acid functionalized carbon nanomaterials measured by a quartz crystal microbalance. Sensors and Actuators A: Physical, 2014, 205, 126-132.	4.1	19
23088	Amperometric sensing of anti-HIV drug zidovudine on Ag nanofilm-multiwalled carbon nanotubes modified glassy carbon electrode. Materials Science and Engineering C, 2014, 39, 105-112.	7.3	40
23089	Prussian blue hollow nanostructures: Sacrificial template synthesis and application in hydrogen peroxide sensing. Journal of Electroanalytical Chemistry, 2014, 712, 132-138.	3.8	22
23090	Cr as a key factor for direct synthesis of multi-walled carbon nanotubes on industrial alloys. Chemical Engineering Journal, 2014, 242, 278-284.	12.7	20
23091	High performance of Pt/TiO ₂ -nanotubes/Ti mesh electrode and its application in flexible dye-sensitized solar cell. Materials Letters, 2014, 124, 158-160.	2.6	16
23092	Effect of carbon nanotube addition on friction coefficient of nanotubes/hydroxyapatite composites. Journal of Industrial and Engineering Chemistry, 2014, 20, 544-548.	5.8	31
23093	In- and out-of-plane dynamic flexural behaviors of two-dimensional ensembles of vertically aligned single-walled carbon nanotubes. Physica B: Condensed Matter, 2014, 449, 164-180.	2.7	36
23094	Improvement of strength of carbon nanotube-dispersed Si ₃ N ₄ ceramics by bead milling and adding lower-temperature sintering aids. Journal of Asian Ceramic Societies, 2014, 2, 199-203.	2.3	19
23095	Molecular dynamics investigations on the interfacial energy and adhesive strength between C60-filled carbon nanotubes and metallic surface. Materials Chemistry and Physics, 2014, 143, 873-880.	4.0	5
23096	Immobilization of horseradish peroxidase (HRP) on polyimide nanofibers blending with carbon nanotubes. Journal of Molecular Catalysis B: Enzymatic, 2014, 106, 56-62.	1.8	21
23097	Swift modification of resistively heated carbon nanotube films by the action of hydrogen peroxide. Materials Letters, 2014, 119, 115-118.	2.6	7
23098	A DFT study of SO ₂ and H ₂ S gas adsorption on Au-doped single-walled carbon nanotubes. Physica Scripta, 2014, 89, 065803.	2.5	86
23099	Nanofluidics. , 2014, , .		35

#	ARTICLE	IF	CITATIONS
23100	High-Yield Synthesis of Mesoscopic Conductive and Dispersible Carbon Nanostructures via Ultrasonication of Commercial Precursors. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 9781-9791.	3.7	1
23101	Direct synthesis of single-walled aminoaluminosilicate nanotubes with enhanced molecular adsorption selectivity. <i>Nature Communications</i> , 2014, 5, 3342.	12.8	73
23102	Torsion of cracked nanorods using a nonlocal elasticity model. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 115304.	2.8	27
23103	Synthesis and photocatalytic performance of PVA/TiO ₂ /graphene-MWCNT nanocomposites for dye removal. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	34
23104	Fabrication and Characterization of Amino Group Functionalized Multiwall Carbon Nanotubes (MWCNT) Formaldehyde Gas Sensors. <i>IEEE Sensors Journal</i> , 2014, 14, 2362-2368.	4.7	21
23105	Enhanced spinnability of carbon nanotube fibers by surfactant addition. <i>Fibers and Polymers</i> , 2014, 15, 762-766.	2.1	29
23106	Prediction of the nonlocal scaling parameter for graphene sheet. <i>European Journal of Mechanics, A/Solids</i> , 2014, 45, 153-160.	3.7	31
23107	Evaluation of elastic properties of multi walled carbon nanotube reinforced composite. <i>Computational Materials Science</i> , 2014, 81, 332-338.	3.0	43
23108	Multilayer super-short carbon nanotube/reduced graphene oxide architecture for enhanced supercapacitor properties. <i>Journal of Power Sources</i> , 2014, 247, 396-401.	7.8	71
23109	Effect of electric field on persistent current of boron nitride nanotubes. <i>Solid State Communications</i> , 2014, 188, 53-60.	1.9	4
23110	Synergistic effect of MWCNTs and graphite powder on the properties of polymer nanocomposites. <i>Chemical Engineering Journal</i> , 2014, 246, 211-216.	12.7	9
23111	Fracture behavior of epoxy nanocomposites modified with polyol diluent and amino-functionalized multi-walled carbon nanotubes: A loading rate study. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 59, 57-69.	7.6	30
23112	A facile method for the immobilization of myoglobin on multi-walled carbon nanotubes: Poly(methacrylic acid-co-acrylamide) nanocomposite and its application for direct bio-detection of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2014, 724, 80-86.	3.8	34
23113	Effect of Stone-Wales and vacancy defects on elastic moduli of carbon nanotubes and their composites using molecular dynamics simulation. <i>Computational Materials Science</i> , 2014, 86, 1-8.	3.0	52
23114	Vibration of horn-shaped carbon nanotube with attached mass via nonlocal elasticity theory. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 56, 306-311.	2.7	13
23115	Strain effects on the band gap and work function of zigzag single-walled carbon nanotubes and graphene: A comparative study. <i>Computer Physics Communications</i> , 2014, 185, 1422-1428.	7.5	8
23116	Wet chemistry synthesis of SnO ₂ /MWCNTs nanocomposites and their tuning energy bandgap properties. <i>Materials Letters</i> , 2014, 119, 111-114.	2.6	7
23117	Role of the cathode deposit in the carbon arc for the synthesis of nanomaterials. <i>Carbon</i> , 2014, 77, 80-88.	10.3	22

#	ARTICLE	IF	CITATIONS
23118	A pressurized filtration technique for fabricating carbon nanotube buckypaper: Structure, mechanical and conductive properties. <i>Microporous and Mesoporous Materials</i> , 2014, 184, 127-133.	4.4	43
23119	Facile preparation and characterization of free-standing stiff carbon-based composite films with excellent performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2014, 56, 72-79.	7.6	2
23120	Functionally Graded Dual-nanoparticulate-reinforced Aluminium Matrix Bulk Materials Fabricated by Spark Plasma Sintering. <i>Journal of Materials Science and Technology</i> , 2014, 30, 736-742.	10.7	58
23121	Fabrication and consolidation behavior of Al 6061 nanocomposite powders reinforced by multi-walled carbon nanotubes. <i>Powder Technology</i> , 2014, 258, 189-197.	4.2	34
23122	Mesoporous catalyst of Co/MWCNTs as an effective catalyst in toluene hydrogenation and data analysis using response surface methodology (RSM). <i>Materials Letters</i> , 2014, 126, 253-258.	2.6	4
23123	Mass production of carbon nanotube reinforced poly(methyl methacrylate) nonwoven nanofiber mats. <i>Carbon</i> , 2014, 75, 217-226.	10.3	64
23124	Facile synthesis of multifunctional multi-walled carbon nanotube for pathogen <i>Vibrio alginolyticus</i> detection in fishery and environmental samples. <i>Talanta</i> , 2014, 128, 311-318.	5.5	17
23125	Effect of carbon nanotube damage on the mechanical properties of aluminium-carbon nanotube composites. <i>Journal of Alloys and Compounds</i> , 2014, 607, 215-222.	5.5	77
23126	Facile synthesis and advanced performance of Ni(OH) ₂ /CNTs nanoflake composites on supercapacitor applications. <i>Chemical Physics Letters</i> , 2014, 601, 168-173.	2.6	54
23127	Bond dissociation mechanism of ethanol during carbon nanotube synthesis via alcohol catalytic CVD technique: Ab initio molecular dynamics simulation. <i>Chemical Physics Letters</i> , 2014, 595-596, 185-191.	2.6	27
23128	Investigation of optical nonlinearity and diffraction ring patterns of carbon nanotubes. <i>Optics and Laser Technology</i> , 2014, 58, 128-134.	4.6	33
23129	Analysis of five alkaloids using surfactant-coated multi-walled carbon nanotubes as the pseudostationary phase in nonaqueous capillary electrophoresis. <i>Journal of Chromatography A</i> , 2014, 1343, 174-181.	3.7	19
23130	Chirality dependence of dipole matrix element of carbon nanotubes in axial magnetic field: A third neighbor tight binding approach. <i>Optics Communications</i> , 2014, 313, 406-415.	2.1	7
23131	Assembling nanotubes and nanofibres: Cooperativeness in sepiolite-carbon nanotube materials. <i>Carbon</i> , 2014, 72, 296-303.	10.3	32
23132	Elucidation of the origin of grown-in defects in carbon nanotubes. <i>Carbon</i> , 2014, 70, 266-272.	10.3	11
23133	Gas separation properties of poly(amide-6-b-ethylene oxide)/amino modified multi-walled carbon nanotubes mixed matrix membranes. <i>Journal of Membrane Science</i> , 2014, 467, 41-47.	8.2	162
23134	Energy exchange between vibration modes of a graphene nanoflake oscillator: Molecular dynamics study. <i>Current Applied Physics</i> , 2014, 14, 237-244.	2.4	7
23135	Electronic structure and magnetic properties of transition-metal (Y, Zr, Nb, Mo, Tc, Ru, Rh, Pd, Ag and) Tj ETQq1 1 0,784314 rgBT /Overl	3.1	16

#	ARTICLE	IF	CITATIONS
23136	Gastrointestinal actions of orally-administered single-walled carbon nanohorns. Carbon, 2014, 69, 409-416.	10.3	18
23137	Preparation, magnetism and microwave absorption performance of ultra-thin Fe ₃ O ₄ /carbon nanotube sandwich buckypaper. Journal of Alloys and Compounds, 2014, 606, 171-176.	5.5	39
23138	Nanoparticle delivery via stocky single-walled carbon nanotubes: A nonlinear-nonlocal continuum-based scrutiny. Composite Structures, 2014, 116, 254-272.	5.8	39
23139	Density-functional tight-binding study of the collapse of carbon nanotubes under hydrostatic pressure. Carbon, 2014, 69, 355-360.	10.3	40
23140	Investigation of low and mild temperature for synthesis of high quality carbon nanotubes by chemical vapor deposition. Applied Surface Science, 2014, 292, 645-649.	6.1	29
23141	Synthesis of a dendrimeric phenoxy-substituted cyclotetraphosphazene and its non-covalent interactions with multiwalled carbon nanotubes. Polyhedron, 2014, 67, 344-350.	2.2	23
23142	Heat conduction in extended X-junctions of single-walled carbon nanotubes. Journal of Physics and Chemistry of Solids, 2014, 75, 123-129.	4.0	9
23143	Upgrading non-oxidized carbon nanotubes by thermally decomposed hydrazine. Applied Surface Science, 2014, 305, 46-54.	6.1	9
23144	Bandgap oscillation in quasiperiodic carbon-BN nanoribbons. Solid State Communications, 2014, 180, 28-34.	1.9	2
23145	XTRANS: An electron transport package for current distribution and magnetic field in helical nanostructures. Computational Materials Science, 2014, 83, 426-433.	3.0	7
23146	Discontinuity of physical properties of carbon nanotube/polymer composites at the percolation threshold. Journal of Non-Crystalline Solids, 2014, 392-393, 19-25.	3.1	9
23147	Effect of carbon nanotube waviness on the effective thermoelastic properties of a novel continuous fuzzy fiber reinforced composite. Composites Part B: Engineering, 2014, 57, 199-209.	12.0	93
23148	Experimental study of the ammonia adsorption characteristics on the composite sorbent of CaCl ₂ and multi-walled carbon nanotubes. International Journal of Refrigeration, 2014, 46, 165-172.	3.4	40
23149	Facile preparation of highly water-stable and flexible PEDOT:PSS organic/inorganic composite materials and their application in electrochemical sensors. Sensors and Actuators B: Chemical, 2014, 196, 357-369.	7.8	89
23150	Seeing and measuring with electrons: Transmission electron microscopy today and tomorrow – An introduction. Comptes Rendus Physique, 2014, 15, 101-109.	0.9	9
23151	Human osteoblast-like MG 63 cells on polysulfone modified with carbon nanotubes or carbon nanohorns. Carbon, 2014, 67, 578-591.	10.3	23
23152	Influence of functionalized single-walled carbon nanotubes on morphology, conducting and oxygen barrier properties of poly (acrylonitrile-co-starch). Composites Part B: Engineering, 2014, 62, 236-241.	12.0	21
23153	A Simple Method to Synthesize Multi-branched Carbon Fibers Using Cupric Chloride Aqueous Solution as Catalyst Precursor. Journal of Materials Science and Technology, 2014, 30, 917-921.	10.7	4

#	ARTICLE	IF	CITATIONS
23154	Mechanics of filled carbon nanotubes. <i>Diamond and Related Materials</i> , 2014, 44, 11-25.	3.9	11
23155	Graphyne-based carbon allotropes with tunable properties: From Dirac fermion to semiconductor. <i>Diamond and Related Materials</i> , 2014, 41, 65-72.	3.9	32
23156	Hydrogen fluoride on the pristine, Al and Si doped BC ₂ N nanotubes: A computational study. <i>Computational Materials Science</i> , 2014, 82, 197-201.	3.0	27
23157	Pd@Au nanoparticle decorated carbon nanotube as a sensing layer on the surface of glassy carbon electrode for electrochemical determination of ceftazidime. <i>Materials Science and Engineering C</i> , 2014, 34, 318-325.	7.3	35
23158	Characteristic of mode I fatigue crack propagation of CFRP laminates toughened with CNF interlayer. <i>Composites Part B: Engineering</i> , 2014, 65, 26-33.	12.0	36
23159	Electrothermal halogenation of carbon nanotube films. <i>Carbon</i> , 2014, 73, 259-266.	10.3	27
23160	Self-assembly of carbon nanotubes using magnetic positioning and alignment by drop drying. <i>Materials Letters</i> , 2014, 114, 68-71.	2.6	2
23161	Synthesis of transfer-free graphene by solid phase reaction process in presence of a carbon diffusion barrier. <i>Materials Letters</i> , 2014, 129, 76-79.	2.6	8
23162	Structural and mechanical properties of H ₆ -carbon. <i>Computational Materials Science</i> , 2014, 82, 540-543.	3.0	9
23163	Quantum rainbow characterization of short chiral carbon nanotubes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2014, 323, 30-35.	1.4	10
23164	Dispersion of carbon nanotubes in iron by wet processing for the preparation of iron@carbon nanotube composites. <i>Powder Technology</i> , 2014, 258, 1-5.	4.2	7
23165	Effect and mechanism of iron oxide modified carbon nanotubes on thermal oxidative stability of silicone rubber. <i>Composites Science and Technology</i> , 2014, 99, 1-7.	7.8	22
23166	Single-electron transfer living radical copolymerization of SWCNT-g-PMMA via graft from approach. <i>Polymer</i> , 2014, 55, 2959-2966.	3.8	14
23167	A co-pyrolysis route to synthesize nitrogen doped multiwall carbon nanotubes for oxygen reduction reaction. <i>Carbon</i> , 2014, 68, 232-239.	10.3	34
23168	Detecting research fronts using different types of weighted citation networks. <i>Journal of Engineering and Technology Management - JET-M</i> , 2014, 32, 129-146.	2.7	49
23169	Treatment of paper mill effluent using Polyethersulfone/functionalised multiwalled carbon nanotubes based nanocomposite membranes. <i>Chemical Engineering Journal</i> , 2014, 236, 369-377.	12.7	43
23170	Domain growth of carbon nanotubes assisted by dewetting of thin catalyst precursor films. <i>Applied Surface Science</i> , 2014, 288, 215-221.	6.1	5
23171	Molecular interactions between carbon nanotubes and ammonium ionic liquids and their catalysis properties. <i>Materials Research Bulletin</i> , 2014, 58, 6-9.	5.2	9

#	ARTICLE	IF	CITATIONS
23172	Wear damage of Si3N4-graphene nanocomposites at room and elevated temperatures. Journal of the European Ceramic Society, 2014, 34, 3309-3317.	5.7	42
23173	Substantial enhancement of PP random copolymer's thermal stability due to the addition of MWCNTs and nanodiamonds: Decomposition kinetics and mechanism study. Journal of Analytical and Applied Pyrolysis, 2014, 106, 71-80.	5.5	10
23174	Thermodynamics and kinetics of adsorption of Cu(II) from aqueous solutions onto multi-walled carbon nanotubes. Journal of Saudi Chemical Society, 2014, 18, 792-801.	5.2	83
23175	Effect of interphase on elastic behavior of multiwalled carbon nanotube reinforced composite. Computational Materials Science, 2014, 87, 267-273.	3.0	70
23176	Interaction between carbon nanotubes and human cell. Precision Engineering, 2014, 38, 116-120.	3.4	0
23177	Effects of oxygen on growth of carbon nanotubes prospered by PECVD. Materials Research Bulletin, 2014, 49, 66-70.	5.2	12
23178	Effects of B-N co-doping into the ultra-small diameter zigzag single-walled carbon nanotubes: A density functional theory study. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 59, 88-92.	2.7	14
23179	Effects of a carbon nanotube-collagen coating on a titanium surface on osteoblast growth. Applied Surface Science, 2014, 292, 828-836.	6.1	25
23180	Fatigue life evaluation and crack detection of the adhesive joint with carbon nanotubes. Composite Structures, 2014, 108, 417-422.	5.8	76
23181	Biofunctionalization of carbon nanofiber tips for scanning probe microscopy using thin Au coating and immobilized biorecognition molecules. Carbon, 2014, 68, 638-645.	10.3	2
23182	Control of carbon nanotubes at the interface of a co-continuous immiscible polymer blend to fabricate conductive composites with ultralow percolation thresholds. Carbon, 2014, 73, 267-274.	10.3	225
23183	Visualization of the conductive paths in injection moulded MWNT/polycarbonate nanocomposites by conductive AFM. Composites Science and Technology, 2014, 90, 102-109.	7.8	3
23184	Optimisation of carbon nanotube ink for large-area transparent conducting films fabricated by controllable rod-coating method. Carbon, 2014, 70, 103-110.	10.3	41
23185	Synthesis of multi-walled carbon nanotubes over tungsten-doped cobalt-based catalyst derived from a layered double hydroxide precursor. Journal of Industrial and Engineering Chemistry, 2014, 20, 1523-1531.	5.8	12
23186	Development of a structured monolithic support with a CNT washcoat for the naphtha HDS process. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 887-895.	5.3	16
23187	New metric for evaluating the purity of single-walled carbon nanotubes using ultraviolet-visible-near infrared absorption spectroscopy. Carbon, 2014, 75, 68-80.	10.3	5
23188	Can graphynes turn into graphene at room temperature?. Carbon, 2014, 73, 283-290.	10.3	27
23189	Analytical and numerical investigation into the longitudinal vibration of uniform nanotubes. Frontiers of Mechanical Engineering, 2014, 9, 142-149.	4.3	1

#	ARTICLE	IF	CITATIONS
23190	Solubilization of Fullerenes, Carbon Nanotubes, and Graphene. Topics in Current Chemistry, 2014, 348, 1-35.	4.0	3
23191	Influence of modification of MWCNTs on the structure and performance of MWCNT-Poly(MMA-AM) hybrid membranes. Polymers for Advanced Technologies, 2014, 25, 288-293.	3.2	4
23192	Nanoscale Transition Metal Dichalcogenides: Structures, Properties, and Applications. Critical Reviews in Solid State and Materials Sciences, 2014, 39, 319-367.	12.3	125
23193	Carboxyl-tailed ionic liquid promoted aqueous dispersion of multi-walled carbon nanotubes. High Performance Polymers, 2014, 26, 274-282.	1.8	7
23194	Fullerenes and Other Carbon-Rich Nanostructures. Structure and Bonding, 2014, , .	1.0	6
23195	Outlook and Emerging Semiconducting Materials for Ambipolar Transistors. Advanced Materials, 2014, 26, 1176-1199.	21.0	216
23196	Thermo-Active Behavior of Ethylene-Vinyl Acetate Multiwall Carbon Nanotube Composites Examined by in Situ near-Edge X-ray Absorption Fine-Structure Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 3733-3741.	3.1	13
23197	Three-dimensional Heteroatom-doped Carbon Nanofiber Networks Derived from Bacterial Cellulose for Supercapacitors. Advanced Functional Materials, 2014, 24, 5104-5111.	14.9	535
23198	Materials, Fabrication, and Manufacturing of Micro/Nanostructured Surfaces for Phase-Change Heat Transfer Enhancement. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 288-310.	2.6	55
23199	Minimization of CNTFET Ternary Combinational Circuits Using Negation of Literals Technique. Arabian Journal for Science and Engineering, 2014, 39, 4875-4890.	1.1	28
23200	Characterization of Polyacrylonitrile Nanocomposites by Reinforcement of Functionalized Single-Walled Carbon Nanotubes. Polymer-Plastics Technology and Engineering, 2014, 53, 784-789.	1.9	2
23201	Synthesis, characterization and magnetic properties of Co@Au core-shell nanoparticles encapsulated by nitrogen-doped multiwall carbon nanotubes. Carbon, 2014, 77, 722-737.	10.3	23
23202	Flow-induced vibration of double bonded visco-CNTs under magnetic fields considering surface effect. Computational Materials Science, 2014, 86, 144-154.	3.0	52
23203	Rapid Multiplug Filtration Cleanup with Multiple-Walled Carbon Nanotubes and Gas Chromatography-Triple-Quadrupole Mass Spectrometry Detection for 186 Pesticide Residues in Tomato and Tomato Products. Journal of Agricultural and Food Chemistry, 2014, 62, 3710-3725.	5.2	68
23204	Superior thermal features of carbon nanotubes-based nanofluids – A review. Renewable and Sustainable Energy Reviews, 2014, 37, 155-167.	16.4	200
23205	Therapeutic applications of carbon nanotubes: opportunities and challenges. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2014, 6, 327-337.	6.1	7
23206	Exposure and Emission Measurements During Production, Purification, and Functionalization of Arc-Discharge-Produced Multi-walled Carbon Nanotubes. Annals of Occupational Hygiene, 2014, 58, 355-79.	1.9	32
23207	Structural and elastic properties of a hypothetical high density sp^2 -rich amorphous carbon phase. Journal of Chemical Physics, 2014, 140, .	3.0	5

#	ARTICLE	IF	CITATIONS
23208	Thermal Oxidation Kinetic of Carbon Nanotubes (CNTs). Arabian Journal for Science and Engineering, 2014, 39, 621-630.	1.1	5
23209	Electromechanical Properties of Carbon Nanotubes. Journal of Physical Chemistry C, 2014, 118, 13936-13944.	3.1	16
23210	Nanoscale Fluid Mechanics and Energy Conversion. Applied Mechanics Reviews, 2014, 66, .	10.1	51
23211	Effects of carbon nanotube content and annealing temperature on the hardness of CNT reinforced aluminum nanocomposites processed by the high pressure torsion technique. Journal of Alloys and Compounds, 2014, 613, 68-73.	5.5	56
23212	Preparation, Characterization, and Bioelectrocatalytic Properties of Hemoglobin Incorporated Multiwalled Carbon Nanotubesâ€Polyâ€L</scp>â€lysine Composite Film Modified Electrodes Towards Bromate. Electroanalysis, 2014, 26, 996-1003.	2.9	5
23213	Interweaving spins with their environment: novel inorganic nanohybrids with controllable magnetic properties. Dalton Transactions, 2014, 43, 4220-4232.	3.3	27
23214	Large scale molecular simulations of nanotoxicity. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2014, 6, 329-343.	6.6	34
23215	Multifunctional and Recollectable Carbon Nanotube Ponytails for Water Purification. ACS Applied Materials & Interfaces, 2014, 6, 9426-9434.	8.0	48
23216	Axial buckling analysis of vertically aligned ensembles of single-walled carbon nanotubes using nonlocal discrete and continuous models. Acta Mechanica, 2014, 225, 3569-3589.	2.1	33
23217	Influence of Coulomb-induced band couplings on linear excitonic absorption spectra of semiconducting carbon nanotubes. Physical Review B, 2014, 89, .	3.2	7
23218	25th Anniversary Article: 25 Years of Fullerene Research in Electron Transfer Chemistry. Advanced Materials, 2014, 26, 1482-1493.	21.0	119
23219	Experimental Investigation on Thermal Conduction of Carbon Nanotubes Reinforced Copper Matrix Composites. Applied Mechanics and Materials, 0, 564, 455-460.	0.2	0
23220	Bioactive Surface Design Based on Functional Composite Electrospun Nanofibers for Biomolecule Immobilization and Biosensor Applications. ACS Applied Materials & Interfaces, 2014, 6, 5235-5243.	8.0	68
23221	The in situ growth of silver nanowires on multi-walled carbon nanotubes and their application in transparent conductive thin films. RSC Advances, 2014, 4, 27591.	3.6	10
23222	Dispersion of carbon nanotubes in nanostructured epoxy systems for coating application. Progress in Organic Coatings, 2014, 77, 1452-1458.	3.9	34
23223	Oxidative heat treatment of 316L stainless steel for effective catalytic growth of carbon nanotubes. Applied Surface Science, 2014, 313, 227-236.	6.1	51
23224	The effects of defects in CO2 diffusion through carbon nanotubes. Chemical Physics Letters, 2014, 608, 244-248.	2.6	13
23225	On the use of bubble complex finite strip method in the nonlocal buckling and vibration analysis of single-layered graphene sheets. International Journal of Mechanical Sciences, 2014, 85, 168-178.	6.7	23

#	ARTICLE	IF	CITATIONS
23226	Effects of stretching on mechanical properties of aligned multi-walled carbon nanotube/epoxy composites. Composites Part A: Applied Science and Manufacturing, 2014, 64, 194-202.	7.6	50
23227	Carbon nanotubes leading the way forward in new generation 3D tissue engineering. Biotechnology Advances, 2014, 32, 1000-1014.	11.7	131
23228	Phonon transport in helically coiled carbon nanotubes. Carbon, 2014, 77, 281-288.	10.3	13
23229	Bound states in disclinated graphene with Coulomb impurities in the presence of a uniform magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2317-2324.	2.1	15
23230	Synthesis and characterization of 3D Ni nanoparticle/carbon nanotube cathodes for hydrogen evolution in alkaline electrolyte. Journal of Power Sources, 2014, 266, 365-373.	7.8	98
23231	Stable configurations and electronic structures of hydrogenated graphyne. Computational Materials Science, 2014, 91, 274-278.	3.0	7
23232	Odd-even dependence of rectifying behavior in carbon chains modified diphenyl dimethyl molecule. Chemical Physics Letters, 2014, 605-606, 62-66.	2.6	2
23233	Nonlinear free vibration of nanotube with small scale effects embedded in viscous matrix. Mechanics Research Communications, 2014, 60, 45-51.	1.8	36
23234	Induced chirality in single walled carbon nanotube based self-assembly. Journal of Materials Chemistry A, 2014, 2, 5759.	10.3	9
23235	Effect of temperature and chiral vector on emerging CNTFET device. , 2014, , .		17
23236	Adsorption of chromium (VI) on functionalized and non-functionalized carbon nanotubes. Korean Journal of Chemical Engineering, 2014, 31, 1582-1591.	2.7	36
23237	Mechanical alloying of multi-walled carbon nanotubes reinforced aluminum composite powder. Powder Technology, 2014, 266, 7-15.	4.2	47
23238	A review on amperometric-type immunosensors based on screen-printed electrodes. Analyst, The, 2014, 139, 2289.	3.5	98
23239	Torsional buckling behavior of boron-nitride nanotubes using molecular dynamics simulations. Current Applied Physics, 2014, 14, 1072-1077.	2.4	25
23240	Tight-binding theory of graphene bending. Physical Review B, 2014, 89, .	3.2	39
23241	Chemical sensors based on polymer composites with carbon nanotubes and graphene: the role of the polymer. Journal of Materials Chemistry A, 2014, 2, 14289-14328.	10.3	190
23242	Modulating the Electronic Properties of Multimeric Thiophene Oligomers by Utilizing Carbon Nanotube Confinement. Journal of Physical Chemistry C, 2014, 118, 5510-5522.	3.1	25
23243	A comprehensive review on Cd(II) removal from aqueous solution. Journal of Water Process Engineering, 2014, 2, 105-128.	5.6	144

#	ARTICLE	IF	CITATIONS
23244	Methods for coating solid-phase microextraction fibers with carbon nanotubes. TrAC - Trends in Analytical Chemistry, 2014, 59, 133-143.	11.4	90
23245	Nanotechnology Based Thermosets. , 2014, , 623-695.		14
23246	Engineered Proteins for Bioelectrochemistry. Annual Review of Analytical Chemistry, 2014, 7, 257-274.	5.4	14
23247	Future perspectives for spintronic devices. Journal Physics D: Applied Physics, 2014, 47, 193001.	2.8	392
23248	Theoretical exploration of structural, electro-optical and magnetic properties of gallium-doped silicon carbide nanotubes. Superlattices and Microstructures, 2014, 73, 185-192.	3.1	20
23249	Preparation of immunostimulatory single-walled carbon nanotube/CpG DNA complexes and evaluation of their potential in cancer immunotherapy. International Journal of Pharmaceutics, 2014, 471, 214-223.	5.2	22
23250	Carbon nanotube reinforced PVAm/PVA blend FSC nanocomposite membrane for CO ₂ /CH ₄ separation. International Journal of Greenhouse Gas Control, 2014, 26, 127-134.	4.6	85
23251	All optical SRR switch using carbon nanotube composite. Optik, 2014, 125, 4405-4410.	2.9	0
23252	Layer-by-layer approach for deposition of pure carbon nanotubes and composite films for use as electrodes in electrochemical devices. Thin Solid Films, 2014, 565, 116-121.	1.8	5
23253	Fabrication and electromagnetic interference shielding performance of open-cell foam of a Cu–Ni alloy integrated with CNTs. Applied Surface Science, 2014, 311, 351-356.	6.1	205
23254	First-principles study of single atom adsorption on capped single-walled carbon nanotubes. International Journal of Hydrogen Energy, 2014, 39, 10161-10168.	7.1	10
23255	Structure-mediated thermal transport of monolayer graphene allotropes nanoribbons. Carbon, 2014, 77, 416-423.	10.3	35
23256	Numerical modeling of eigenmodes and eigenfrequencies of hetero-junction carbon nanotubes with pentagon–heptagon pair defects. Computational Materials Science, 2014, 92, 76-83.	3.0	20
23257	Accelerator-based single-shot ultrafast transmission electron microscope with picosecond temporal resolution and nanometer spatial resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 759, 74-82.	1.6	36
23258	DFT study of NH ₃ adsorption on pristine, Ni- and Si-doped graphynes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2184-2190.	2.1	198
23259	Carbon nanotube formation during propane decomposition on boron-modified Co/Al ₂ O ₃ catalysts: A kinetic study. International Journal of Hydrogen Energy, 2014, 39, 18016-18026.	7.1	10
23260	Carbon nanotube (CNT) gas sensors for emissions from fossil fuel burning. Sensors and Actuators B: Chemical, 2014, 203, 349-362.	7.8	120
23261	To the theory of plasma waves on the surface of nanotube with superlattice. Solid State Communications, 2014, 192, 79-81.	1.9	5

#	ARTICLE	IF	CITATIONS
23262	Developing a nanoelectromechanical shuttle graphene-nanoflake device. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 58, 88-93.	2.7	6
23263	Improvement in the permeation performance of hybrid membranes by the incorporation of functional multi-walled carbon nanotubes. <i>Journal of Membrane Science</i> , 2014, 466, 338-347.	8.2	33
23264	Disconnect armchair carbon nanotube as rectifier predicted by first-principles study. <i>Computational Materials Science</i> , 2014, 81, 418-422.	3.0	14
23265	Electron transport properties of zigzag single walled tin carbide nanotubes. <i>Computational Materials Science</i> , 2014, 81, 326-331.	3.0	17
23266	Synthesis of biguanide-functionalized single-walled carbon nanotubes (SWCNTs) hybrid materials to immobilized palladium as new recyclable heterogeneous nanocatalyst for Suzuki-Miyaura coupling reaction. <i>Journal of Molecular Catalysis A</i> , 2014, 382, 106-113.	4.8	71
23267	Do Carbon Nanotubes contribute to Electrochemical Biosensing?. <i>Electrochimica Acta</i> , 2014, 128, 102-112.	5.2	43
23268	Theoretical investigation of thermally induced coalescence mechanism of single-wall carbon nanohorns and their mechanical properties. <i>Computational Materials Science</i> , 2014, 88, 76-80.	3.0	6
23269	Determining the work function of a carbon-cone cold-field emitter by in situ electron holography. <i>Micron</i> , 2014, 63, 2-8.	2.2	25
23270	Attempts to control depletion in the surfactant-assisted stabilization of single-walled carbon nanotubes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 443, 123-128.	4.7	19
23271	Applications of carbon nanotubes in high performance lithium ion batteries. <i>Frontiers of Physics</i> , 2014, 9, 351-369.	5.0	54
23272	In situ fabrication of carbon nanotube-MgAl ₂ O ₄ nanocomposite powders through hydrogen-free CCVD. <i>Advanced Powder Technology</i> , 2014, 25, 250-254.	4.1	5
23273	Addition of nanoscaled bioinspired surface features: A revolution for bone related implants and scaffolds?. <i>Journal of Biomedical Materials Research - Part A</i> , 2014, 102, 275-294.	4.0	48
23274	Electronic structure and surface reactivity of BC ₃ nanotubes from first-principle calculations. <i>Structural Chemistry</i> , 2014, 25, 187-195.	2.0	6
23275	Advanced drug delivery systems: Nanotechnology of health design A review. <i>Journal of Saudi Chemical Society</i> , 2014, 18, 85-99.	5.2	316
23276	Effects of randomness and inclination on the optical properties of multi-walled carbon nanotube arrays. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 132, 22-27.	2.3	9
23277	Preparation of carbon nanotubes as the conductive coating layer on flexible thermal-resistant substrate by permeating method and its residual stress analysis. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 1167-1173.	2.3	0
23278	Elastomeric ablative nanocomposites used in hyperthermal environments. <i>Polymer Engineering and Science</i> , 2014, 54, 255-263.	3.1	25
23279	Ferrite multiphase/carbon nanotube composites sintered by spark plasma sintering. <i>Journal of the Ceramic Society of Japan</i> , 2014, 122, 768-771.	1.1	4

#	ARTICLE	IF	CITATIONS
23280	Surface modification of carbon nanofibers with SiC by heating different SiO vapor sources in argon atmosphere. Journal of the Ceramic Society of Japan, 2014, 122, 822-828.	1.1	5
23282	Study of surface morphology and alignment of MWCNTs grown by chemical vapor deposition. , 2014, , .		0
23283	Noncovalent Functionalization of Boron Nitride Nanotubes in Aqueous Media Opens Application Roads in Nanobiomedicine. Nanobiomedicine, 2014, 1, 7.	5.7	44
23284	Manufacturing nanomaterials: from research to industry. Manufacturing Review, 2014, 1, 11.	1.5	168
23285	Nanostructures: a platform for brain repair and augmentation. Frontiers in Systems Neuroscience, 2014, 8, 91.	2.5	92
23286	Electrochemical sensors and devices for heavy metals assay in water: the French groups' contribution. Frontiers in Chemistry, 2014, 2, 19.	3.6	123
23287	Characterization and in vitro studies of the anticancer effect of oxidized carbon nanotubes functionalized with betulinic acid. Drug Design, Development and Therapy, 2014, 8, 2333.	4.3	37
23288	Nanoparticles for hyperthermic therapy: synthesis strategies and applications in glioblastoma. International Journal of Nanomedicine, 2014, 9, 2863.	6.7	80
23289	Remarkable Thermal Contraction in Small Size Single-Walled Boron Nanotubes. Communications in Computational Physics, 2014, 16, 201-212.	1.7	4
23290	Use of Carbon Nanotubes (CNTs) with Polymers in Solar Cells. Molecules, 2014, 19, 17329-17344.	3.8	80
23291	Selectivity of Chemoresistive Sensors Made of Chemically Functionalized Carbon Nanotube Random Networks for Volatile Organic Compounds (VOC). Chemosensors, 2014, 2, 26-40.	3.6	27
23292	The Role of the Protein Corona in Fiber Structure-Activity Relationships. Fibers, 2014, 2, 187-210.	4.0	4
23293	The top 100 papers. Nature, 2014, 514, 550-553.	27.8	377
23294	Modern Electrochemical Methods in Nano, Surface and Corrosion Science. , 2014, , .		9
23295	Synthesis and growth mechanism of Zn _{0.5} Cd _{0.5} S nano-hexagon dendrite. EPJ Applied Physics, 2014, 68, 30401.	0.7	0
23296	Cohesive Zone Model for the Interface of Multiwalled Carbon Nanotubes and Copper: Molecular Dynamics Simulation. Journal of Nanotechnology in Engineering and Medicine, 2014, 5, .	0.8	12
23297	Electropolymerization of carbon nanotubes/poly-ortho-aminophenol nanocomposite on a stainless steel fiber for the solid-phase microextraction of phthalate esters. RSC Advances, 2014, 4, 50426-50434.	3.6	17
23298	Electrical percolation, morphological and dispersion properties of MWCNT/PMMA nanocomposites. Materials Research, 2014, 17, 127-132.	1.3	35

#	ARTICLE	IF	CITATIONS
23299	Improved thermoelastic coefficients of a novel short fuzzy fiber-reinforced composite with wavy carbon nanotubes. Journal of Mechanics of Materials and Structures, 2014, 9, 1-25.	0.6	27
23303	Generalizing thermodynamic properties of bulk single-walled carbon nanotubes. AIP Advances, 2014, 4, 127149.	1.3	6
23304	Advanced Microscopy Techniques for a Better Understanding of the Polymer/Nanotube Composite Properties. , 2014, , 365-404.		1
23306	Preparation of Carbon Nanofibers by Hydrogenation of Carbon Dioxide on a Nickel Sponge Catalyst. Chemistry Letters, 2014, 43, 1843-1845.	1.3	0
23307	Estimation of the carbon nanotube concentration by peak-to-background ratio in XRD patterns. International Journal of Nuclear Energy Science and Technology, 2014, 8, 249.	0.0	0
23308	Scientometric investigation of global carbon nanotubes research. International Journal of Nuclear Knowledge Management, 2014, 6, 322.	0.3	1
23309	Vibrational properties of single-walled carbon nanotubes embedded in an elastic medium in thermal environment. International Journal of Nanomanufacturing, 2014, 10, 453.	0.3	0
23310	Finite element simulation of single carbon nanotube pull-outs from a cementitious nanocomposite material using an elastic-plastic-damage and cohesive surface models. International Journal of Theoretical and Applied Multiscale Mechanics, 2014, 3, 31.	0.6	2
23312	Synthesis of vertically-aligned CNT arrays from diameter-controlled Fe ₃ O ₄ nanoparticles. Journal of the Ceramic Society of Japan, 2014, 122, 187-191.	1.1	0
23313	New processing method for tungsten carbide nano-crystalline particles and nano structural carbon via polyacrylonitrile gasification. Journal of the Ceramic Society of Japan, 2014, 122, 570-573.	1.1	1
23314	Surface modification of carbon nanomaterials by aminopropyltriethoxysilane. Surface Innovations, 2014, 2, 245-252.	2.3	7
23315	Preparation of Aqueous Carbon Material Suspensions by Aqueous Counter Collision. Chemistry Letters, 2014, 43, 483-485.	1.3	11
23316	Large Pseudocapacitance in Quinone-Functionalized Zeolite-Templated Carbon. Bulletin of the Chemical Society of Japan, 2014, 87, 250-257.	3.2	78
23317	Latex Polymer/Super Growth-Single-Walled Carbon Nanotube Composites with High Electroconductivity Fabricated by Wet Processing. Bulletin of the Chemical Society of Japan, 2014, 87, 1343-1348.	3.2	2
23318	Aqueous Dispersion of Carbon Nanotubes Using Self-aggregating Peptides. Chemistry Letters, 2014, 43, 102-104.	1.3	1
23320	Carbon Nanotube Electrochemical Detectors in Microfluidics. , 2014, , 133-168.		0
23322	Magnetic Nanoparticles for Drug Delivery. Frontiers in Nanobiomedical Research, 2014, , 595-620.	0.1	1
23325	Carbon at the Nanoscale. , 2014, , 15-50.		3

#	ARTICLE	IF	CITATIONS
23326	Graphene Overview. Electrochemical Energy Storage and Conversion, 2014, , 1-20.	0.0	1
23327	WAVY-SHAPED DEFORMATION ANALYSIS OF MULTI-WALLED CARBON NANOTUBES USING MOLECULAR DYNAMICS METHOD. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2014, 70, 1_25-1_32.	0.1	0
23328	Effect of Prepreg Stretching on the Mechanical Properties of Aligned Carbon Nanotube/Epoxy Composites. Journal of the Japan Society for Composite Materials, 2014, 40, 209-217.	0.2	0
23330	Theoretical Aspects of Graphene Related Materials for Device Applications. Journal of the Vacuum Society of Japan, 2014, 57, 439-443.	0.3	0
23331	Etching Effects of Ultraviolet Irradiation on Multiwalled Carbon Nanotubes. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2014, 65, 325-329.	0.2	1
23332	Composite Plating using Carbon Nanotubes. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2014, 65, 82-87.	0.2	2
23333	Growth of Single-Walled Carbon Nanotubes Using Cobalt on Cobalt Silicide as a Catalyst by Hot-Filament Chemical Vapor Deposition. Hyomen Kagaku, 2014, 35, 50-55.	0.0	0
23334	Adsorption of Pyrene on Carbon Nanotube: Energetics and Dynamics. Hyomen Kagaku, 2014, 35, 340-344.	0.0	0
23335	Change in Spatial Distribution of State Densities of Carbon Nanotubes Under Anisotropic Strain Field. , 2014, , .		2
23336	Heat Conduction Simulation in Double-Walled Carbon Nanotubes With Intertube Additional Atoms. , 2014, , .		0
23337	UV Fe I absorption in the carbon-iron arc periphery under formation of carbon-encapsulated iron nanoparticles. Journal of Physics: Conference Series, 2014, 550, 012024.	0.4	0
23338	Pyridine modified polyethylene copolymer compatibilizer for melt blended carbon nanotube composites: effects of chain structure and matrix viscosity. Polymers for Advanced Technologies, 2014, 25, 1509-1514.	3.2	1
23339	Carbon nanofiber type and content dependence of the physical properties of carbon nanofiber reinforced polypropylene composites. Polymer Engineering and Science, 2014, 54, 117-128.	3.1	27
23340	PFO-PPy solubilizers for SWNTs: Modelling of polymers from oligomers. Physica Status Solidi (B): Basic Research, 2014, 251, 2407-2412.	1.5	6
23342	A comparative study on effect of aromatic polyimide chain conformation on reinforcement of carbon nanotube/polyimide nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	2.6	6
23343	Effect of arc behaviour on the temperature fluctuation of carbon electrode in DC arc discharge. Journal of Physics: Conference Series, 2014, 518, 012027.	0.4	7
23344	Synthesis and characterisation of double-walled carbon nanotube/cobalt oxide nanocomposite for the application of anode material for lithium ion batteries. International Journal of Nanoparticles, 2014, 7, 133.	0.3	2
23345	White-Light-Emitting Edge-Functionalized Graphene Quantum Dots. Angewandte Chemie, 2014, 126, 5725-5729.	2.0	55

#	ARTICLE	IF	CITATIONS
23348	Carbon Nanotube Composite Cables for Ultra-Deepwater Oil and Gas Fields. , 2014, , .		3
23349	Nanotechnology in Industrial Wastewater Treatment. Water Intelligence Online, 0, 13, .	0.3	7
23350	Piezoresistive properties of CNT reinforced cementitious composites. Materials Research Innovations, 2014, 18, S2-716-S2-721.	2.3	14
23351	Synthesis of highly graphitic carbon nano-sphere by simple flame synthesis on cobalt-based catalyst. , 2014, , .		1
23352	Carbon nanotubesâ€‘filled thermoplastic polyurethaneâ€‘urea and carboxylated acrylonitrile butadiene rubber blend nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	2.6	13
23353	Carbon Nanotubes and Related Structures. , 2014, , 147-254.		0
23354	Non-Classical Properties of Classical Nanostructures. , 2014, , 125-166.		0
23355	Characterization of All Carbon Composites Reinforced with In situ Synthesized Carbon Nanostructures. Materials Research Society Symposia Proceedings, 2014, 1611, 145-151.	0.1	0
23356	A MWCNT gyroscope fabricated by nanorobotic manipulation. , 2014, , .		0
23357	Role of interface tailoring by Cu coating carbon nanotubes to optimize Cuâ€‘W composites. Journal of Materials Research, 2015, 30, 3757-3765.	2.6	8
23358	Structural nanocomposites for aerospace applications. MRS Bulletin, 2015, 40, 829-835.	3.5	67
23359	Not just graphene: The wonderful world of carbon and related nanomaterials. MRS Bulletin, 2015, 40, 1110-1121.	3.5	78
23360	Molecular Disorder in Prestrained Nanocomposites: Effects of Processing on Durability of Thermally-Active Ethylene-Vinyl Acetate PyChol Multiwall Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2015, 1718, 21-26.	0.1	0
23361	An Innovative Process for Synthesis of Carbon-Base Nanostructured Materials Using a Solid-State Route. Materials Research Society Symposia Proceedings, 2015, 1765, 29-35.	0.1	1
23362	DESIGN OF A NANOTORI-METALLOFULLERENE LOGIC GATE. ANZIAM Journal, 2015, 57, 29-42.	0.2	0
23363	Sample Preparation and Extraction Techniques. , 2015, , 1259-1270.		0
23365	Preparation and characterisation of carbonaceous products with three-dimensional grape-bunch structure via self-assembling of saccharides and hydroxylated multi-wall carbon nanotubes through hydrothermal method. Materials Research Innovations, 2015, 19, S2-125-S2-132.	2.3	0
23366	Dispersion analysis of carbon nanotubes, carbon onions, and nanodiamonds for their application as reinforcement phase in nickel metal matrix composites. RSC Advances, 2015, 5, 95149-95159.	3.6	72

#	ARTICLE	IF	CITATIONS
23367	Multi-walled carbon nanotubes supported Pd composite nanoparticles hydrothermally produced from technical grade PdO precursor. <i>Electrochimica Acta</i> , 2015, 176, 1256-1265.	5.2	19
23368	Carbon Nanotube Based NH ₃ Gas Sensor: Ab-Initio Study. , 2015, , .		3
23369	Electronic and vibrational properties of dimer of single-wall carbon nanotubes. , 2015, , .		3
23370	Influence of p-GaN shape on the light emission characteristics of InGaN nanodisk embedded p-i-n GaN nanorods. <i>Current Applied Physics</i> , 2015, 15, S2-S6.	2.4	2
23371	Highly surface functionalized carbon nano-onions for bright light bioimaging. <i>Methods and Applications in Fluorescence</i> , 2015, 3, 044005.	2.3	40
23372	Radiation damage to multi-walled carbon nanotubes and their Raman vibrational modes. <i>Bulletin of Materials Science</i> , 2015, 38, 1771-1775.	1.7	2
23373	Synergistic effect of zero-dimensional spherical carbon nanoparticles and one-dimensional carbon nanotubes on properties of cement-based ceramic matrix: microstructural perspectives and crystallization investigations. <i>Composite Interfaces</i> , 2015, 22, 899-921.	2.3	28
23374	High performance single crystalline PbWO ₄ nanorod field effect transistor. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 10044-10048.	2.2	1
23375	Investigation on the modification to solvent-containing two-component polyurethane coating by carbon nanotubes. <i>Pigment and Resin Technology</i> , 2015, 44, 300-305.	0.9	4
23376	Morphology characterization on different volume and height of MWCNT layer deposition by spray method. , 2015, , .		0
23377	The preparation and property of PEG/CNTs/SiO ₂ microspheres phase change materials. <i>Materials Research Innovations</i> , 2015, 19, S9-254-S9-257.	2.3	0
23378	Effect of carbon nanotubes produced by using different methods on electrical and optical properties of zinc oxide-carbon nanotube composite. <i>International Journal of Materials Research</i> , 2015, 106, 641-646.	0.3	7
23379	Unique combination of zero-one-two dimensional carbon-titania hybrid for cold cathode application. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 74, 244-250.	2.7	1
23380	Growth of Carbon Nanofibers Synthesised from Decomposition of Liquid Organic Waste on a Ni/Al ₂ O ₃ Catalyst: Thermodynamic and Kinetic Analyses. <i>Energy Procedia</i> , 2015, 74, 32-43.	1.8	2
23381	Large-scale density functional theory simulation of inorganic nanotubes: a case study on Imogolite nanotubes. <i>Materials Research Innovations</i> , 2015, 19, S272-S282.	2.3	17
23382	First-principle study on energy gap of CNT superlattice structure. <i>Journal of Semiconductors</i> , 2015, 36, 102002.	3.7	3
23383	The design and investigation of the self-assembly of dimers with two nematic phases. <i>RSC Advances</i> , 2015, 5, 93513-93521.	3.6	49
23384	Computational homogenization of nano-materials accounting for size effects via surface elasticity. <i>GAMM Mitteilungen</i> , 2015, 38, 285-312.	5.5	27

#	ARTICLE	IF	CITATIONS
23385	A scientometric comparative study of single-walled and multi-walled carbon nanotubes research. Proceedings of the Association for Information Science and Technology, 2015, 52, 1-4.	0.6	2
23386	On the Mechanical Properties of Functionalized CNT Reinforced Polymer Roham RaÃee and Reza Pourazizi. , 2015, , 636-653.		0
23387	Nanotubes: Cyclodextrin-Modified Carbon. , 0, , 5585-5592.		0
23390	Ge Nanostructures for Harvesting and Detection of Light. , 2015, , 331-368.		0
23391	A Detailed Review on Modeling of CNT/Green Polymer Composites. , 2015, , 87-153.		0
23394	Plasma Functionalization of Nanotubes. , 2015, , 484-513.		0
23396	Printing Highly Controlled Suspended Carbon Nanotube Network on Micro-patterned Superhydrophobic Flexible Surface. Scientific Reports, 2015, 5, 15908.	3.3	15
23399	Extracting Metals with Carbon Nanotubes: Environmental Possibilities. Key Engineering Materials, 0, 663, 157-165.	0.4	0
23400	Selective Detection toward Quercetin and Kaempferol on NH ₃ -Plasma Treated Carbon Nanotubes Modified Glassy Carbon Electrode. Analytical Sciences, 2015, 31, 225-230.	1.6	7
23402	Stochastic Events in Nanoelectrochemical Systems. , 2015, , 256-307.		0
23403	From static ternary adders to high-performance race-free dynamic ones. Journal of Engineering, 2015, 2015, 371-382.	1.1	7
23404	Development of Large-Scale Industrial Applications of Novel Membrane Materials: Carbon Nanotubes, Aquaporins, Nanobers, Graphene, and Metal-Organic Frameworks. , 2015, , 410-463.		3
23405	Biosensors â Topical issue. Chemical Papers, 2015, 69, 1-3.	2.2	5
23408	Dispersion coefficients for the interactions of the alkali-metal and alkaline-earth-metal ions and inert-gas atoms with a graphene layer. Physical Review A, 2015, 92, .	2.5	10
23409	Effective-mass theory of collapsed carbon nanotubes. Physical Review B, 2015, 91, .	3.2	11
23410	Electronic properties of B-C-N ternary kagome lattices. Physical Review B, 2015, 91, .	3.2	6
23411	Topological node-line semimetal in three-dimensional graphene networks. Physical Review B, 2015, 92, .	3.2	619
23412	Sublattice segregation of hydrogen adsorbates in carbon nanotubes. Physical Review B, 2015, 92, .	3.2	4

#	ARTICLE	IF	CITATIONS
23413	Rigid unit modes in carbon systems: Origin of negative thermal expansion. Physical Review B, 2015, 92, .	3.2	14
23414	Confinement effects on liquid-flow characteristics in carbon nanotubes. Physical Review E, 2015, 92, 063001.	2.1	11
23416	- UNDERSTANDING NONWOVENS: CONCEPTS AND APPLICATIONS. , 2015, , 20-77.		0
23419	Computational prediction of body-centered cubic carbon in an all- ring configuration. Physical Review B, 2015, 91, .	3.2	4
23420	Collapsed armchair single-walled carbon nanotubes as an analog of closed-edged bilayer graphene nanoribbons. Physical Review B, 2015, 92, .	3.2	18
23421	Characteristics and Advances of Graphene. , 2015, , .		0
23424	Study on Dielectric and Magnetic Properties of MWCNTs/Polyester Composites. Applied Mechanics and Materials, 2015, 815, 188-192.	0.2	0
23425	Dual-MWCNT Probe Thermal Sensor Assembly and Evaluation Based on Nanorobotic Manipulation inside a Field-Emission-Scanning Electron Microscope. International Journal of Advanced Robotic Systems, 2015, 12, 21.	2.1	3
23426	Extremely High Thermal Conductivity of Aligned Carbon Nanotube-Polyethylene Composites. Scientific Reports, 2015, 5, 16543.	3.3	73
23427	Recent Advancements in Boron Nitride Nanotube Biomedical Research. , 2015, , 594-605.		0
23428	Boron Nitride Nanotubes and Nanoribbons Produced by Ball Milling Method. , 2015, , 52-77.		0
23432	Graphdiyne as a promising material for detecting amino acids. Scientific Reports, 2015, 5, 16720.	3.3	59
23433	A quantitative method for analysing the dispersion of carbon nanotubes in cement composite materials. Advances in Cement Research, 2015, 27, 464-469.	1.6	2
23435	The Shielding Effect of Carbon Nanotubes on the Chemical Shift of Adsorbates. Chemistry Letters, 2015, 44, 1419-1421.	1.3	2
23436	An Efficient Approach to Prepare Carbon Nanotube“Gold Nanoparticles Nanocomposites Based on Amphiphilic Copolymer Containing Coumarin. Chemistry Letters, 2015, 44, 1497-1499.	1.3	1
23437	Fabrication of Highly Transparent, Thermally Stable, and Scalable Conductive Films from Double-Walled Carbon Nanotubes. Bulletin of the Chemical Society of Japan, 2015, 88, 217-221.	3.2	10
23438	Charge-transfer Complex Formed with Bowl-shaped Corannulene as Electron Donor and Planar 7,7,8,8-Tetracyanoquinodimethane as Electron Acceptor. Chemistry Letters, 2015, 44, 709-711.	1.3	4
23439	Conducting Polymers: Prospects. , 0, , 2024-2038.		0

#	ARTICLE	IF	CITATIONS
23440	Editorial: 2D nanomaterials for energy research. Nanomaterials and Energy, 2015, 4, 1-2.	0.2	0
23443	Cyclopentadienyliron dicarbonyl dimer carbon nanotube synthesis. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, 011204.	1.2	0
23444	Understanding flocculation mechanism of graphene oxide for organic dyes from water: Experimental and molecular dynamics simulation. AIP Advances, 2015, 5, .	1.3	42
23445	An Overview of Nanomaterials. , 2015, , 22-108.		4
23446	Dibenzothiophene adsorption at boron doped carbon nanoribbons studied within density functional theory. Journal of Applied Physics, 2015, 117, .	2.5	5
23447	Enhancement of the effective thermal conductivity in packed beds by direct synthesis of carbon nanotubes. Journal of Thermal Science and Technology, 2015, 10, JTST0013-JTST0013.	1.1	2
23448	Pt- and Ag-Decorated Carbon Nanotube Network Layers for Enhanced NH ₃ Gas Sensitivity at Room Temperature. Materials Transactions, 2015, 56, 1399-1402.	1.2	14
23449	Layer-by-Layer Assembly of Hemoglobin and DNA Functionalized Carbon Nanotubes on Glassy Carbon Electrode: Direct Electrochemistry and Electrocatalysis. Electrochemistry, 2015, 83, 979-983.	1.4	1
23450	Highly Sensitive Pressure Sensor Using Two-Dimensionally Aligned Carbon Nanotube Bundles. , 2015, , .		0
23451	Dispersion of Co/CNTs via strong electrostatic adsorption method: Thermal treatment effect. AIP Conference Proceedings, 2015, , .	0.4	28
23452	Transition mechanism of Stone-Wales defect in armchair edge (5,5) carbon nanotube. AIP Conference Proceedings, 2015, , .	0.4	1
23453	Unwinding of a carbon nanoscroll due to high speed rotation. AIP Advances, 2015, 5, 107202.	1.3	4
23454	Introduction to Nanotechnology. , 0, , 3-21.		0
23455	Effect of process temperature on morphology of CNTs grown in a vertically fluidized bed reactor with Fe ₂ O ₃ /Al ₂ O ₃ catalyst. AIP Conference Proceedings, 2015, , .	0.4	0
23457	Combination of Temperature Sensitive Paint and Carbon Nanotubes for Transition Detection. , 2015, , .		22
23459	Nanostructures. , 0, , 484-497.		0
23460	Electronic properties and carrier mobilities of 6,6,12-graphyne nanoribbons. AIP Advances, 2015, 5, .	1.3	13
23461	Graphene nanoribbons production from flat carbon nanotubes. Journal of Applied Physics, 2015, 118, 184301.	2.5	0

#	ARTICLE	IF	CITATIONS
23462	Novel, low-cost solid-liquid-solid process for the synthesis of Si_3N_4 nanowires at lower temperatures and their luminescence properties. Scientific Reports, 2015, 5, 17250.	3.3	20
23463	Tunable thermal conductivity in carbon allotrope sheets: Role of acetylenic linkages. Journal of Applied Physics, 2015, 118, .	2.5	13
23464	An efficient molecular mechanics model for the torsional buckling analysis of multi-walled silicon carbide nanotubes. EPJ Applied Physics, 2015, 70, 10401.	0.7	3
23465	Mechanical Performance of Carbon Nanotube-Reinforced Nanocomposites. Advanced Materials Research, 2015, 1110, 60-64.	0.3	0
23466	Dispersability of Carbon Nanotubes in Biopolymer-Based Fluids. Crystals, 2015, 5, 74-90.	2.2	5
23467	Immobilization of myoglobin on Au nanoparticle-decorated carbon nanotube/polytyramine composite as a mediator-free H_2O_2 and nitrite biosensor. Scientific Reports, 2015, 5, 18390.	3.3	40
23468	Concept of the Tip Effect in Single Walled Carbon Nanotube. Advanced Materials Research, 0, 1099, 37-40.	0.3	0
23470	Motion Driven by Strain Gradient Fields. Scientific Reports, 2015, 5, 13675.	3.3	25
23471	Morphology of a columnar stack of coronene molecules encapsulated in a single-walled carbon nanotube. AIP Advances, 2015, 5, 117113.	1.3	8
23472	Effect of Heat Treatment on Hardness Behavior of AZ91 and AZ91 Reinforced Carbon Nanotube. Applied Mechanics and Materials, 0, 815, 79-83.	0.2	0
23473	Microwave conductance properties of aligned multiwall carbon nanotube textile sheets. Journal of Applied Physics, 2015, 118, 014308.	2.5	1
23474	$\frac{1}{4}\pi$ phase shift in the Si_3N_4 nanowires. Nature Digest, 2015, 12, 14-20.	0.0	1
23475	Ion acceleration in shell cylinders irradiated by a short intense laser pulse. Physics of Plasmas, 2015, 22, 093106.	1.9	1
23476	Quantitative evaluation of orbital hybridization in carbon nanotubes under radial deformation using $\text{I}\Gamma$ -orbital axis vector. AIP Advances, 2015, 5, .	1.3	3
23477	Effective permittivity of single-walled carbon nanotube composites: Two-fluid model. Physics of Plasmas, 2015, 22, 122104.	1.9	3
23478	Coaxial nanocable composed by imogolite and carbon nanotubes. AIP Conference Proceedings, 2015, , .	0.4	7
23479	Facile method to control the diameter and density of carbon nanotubes by using a catalyst-embedded supporting layer. Journal of the Korean Physical Society, 2015, 66, 1715-1719.	0.7	0
23480	Effect of increased crystallinity of single-walled carbon nanotubes used as field emitters on their electrical properties. Journal of Applied Physics, 2015, 118, .	2.5	11

#	ARTICLE	IF	CITATIONS
23481	The Effect of Thermal Accumulation to the Field Emission Properties of the Carbon Nanotubes. Key Engineering Materials, 0, 645-646, 265-268.	0.4	0
23482	The strength of electron electron correlation in Cs3C60. Scientific Reports, 2015, 5, 15240.	3.3	10
23483	Investigation of physical aging of carbon nanotube/PEDOT:PSS nanocomposites by electrochemical impedance spectroscopy. , 2015, , .		1
23484	Piezoresistive behavior of Epoxy/MWCNTs nanocomposites thin films for strain sensing application. , 2015, , .		0
23485	In situ measurement of activation energy for pyrolysis of ethanol as a first reaction in the synthesis of carbon nanotubes. Chemical Physics Letters, 2015, 639, 261-265.	2.6	1
23486	Structural and Optical Properties of Gd _{2-x} Sm _x O ₃ Nanorods. Materials Today: Proceedings, 2015, 2, 3684-3689.	1.8	1
23487	Study on Field Emission Characteristics of Ti-based Chrysanthemum-like Nano-ZnO Cathode by Electrophoresis Deposition. Rare Metal Materials and Engineering, 2015, 44, 2711-2715.	0.8	5
23488	Carbon nanotube field emitters on KOVAR substrate modified by random pattern. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	2
23489	Mechanical and biological properties of silk fibroin/carbon nanotube nanocomposite films. Fibers and Polymers, 2015, 16, 1781-1787.	2.1	12
23490	Preparation and Characterization of Yttrium Hydroxide and Oxide Doped with Rare Earth Ions (Eu ³⁺), Tj ETQq1 1 0.784314 rgBT /Overdo	1.2	10
23491	Stack growth of aligned multiwalled carbon nanotubes using floating catalyst chemical vapor deposition technique. Chemical Physics Letters, 2015, 625, 53-57.	2.6	1
23492	Helices in micro-world: Materials, properties, and applications. Journal of Materiomics, 2015, 1, 296-306.	5.7	21
23493	Comparative Evaluation of Different Methods of Carboxylation of Carbon Nanotubes as a Modifier of Mechanical Properties of Heat-Resistant Polyimide Based Nanocomposites. Fibre Chemistry, 2015, 47, 236-243.	0.2	4
23494	Research for improved flexible tactile sensor sensitivity. Journal of Mechanical Science and Technology, 2015, 29, 5133-5138.	1.5	7
23495	Fabrication of Vertical Array CNTs/Polyaniline Composite Membranes by Microwave-Assisted In Situ Polymerization. Nanoscale Research Letters, 2015, 10, 493.	5.7	28
23496	Possibility of Increasing the Mechanical Strength of Carbon/Epoxy Composites by Addition of Carbon Nanotubes. Materials Science Forum, 2015, 818, 299-302.	0.3	3
23497	Performance evaluation of the electromagnetic behavior of the bundle SWCNTs with circular geometry. , 2015, , .		0
23498	Structure based calculation for scanned field enhancement factor for CNT field emitters. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
23499	Structural, Vibrational and Electronic Properties of Defective Single-Walled Carbon Nanotubes Functionalised with Carboxyl Groups: Theoretical Studies. ChemPhysChem, 2015, 16, 2775-2782.	2.1	16
23500	Carbon-Based Materials for Lithium-Ion Batteries, Electrochemical Capacitors, and Their Hybrid Devices. ChemSusChem, 2015, 8, 2284-2311.	6.8	259
23501	Studies on synergistic effect of CNT and CB nanoparticles on PVDF. Polymer Composites, 2015, 36, 2248-2254.	4.6	26
23502	1. Photosensitive microcapsules. , 2015, , 1-18.		0
23503	Synthetic Crystals of Silver with Carbon: 3D Epitaxy of Carbon Nanostructures in the Silver Lattice. Advanced Functional Materials, 2015, 25, 4768-4777.	14.9	27
23504	Carbon/Silicon Heterojunction Solar Cells: State of the Art and Prospects. Advanced Materials, 2015, 27, 6549-6574.	21.0	159
23506	Flexible, Stretchable, and Rechargeable Fiber-Shaped Zinc-Air Battery Based on Cross-Stacked Carbon Nanotube Sheets. Angewandte Chemie - International Edition, 2015, 54, 15390-15394.	13.8	291
23507	Improved impact strength of epoxy by the addition of functionalized multiwalled carbon nanotubes and reactive diluent. Journal of Applied Polymer Science, 2015, 132, .	2.6	17
23508	Electrocatalytic Interface Based on Novel Carbon Nanomaterials for Advanced Electrochemical Sensors. ChemCatChem, 2015, 7, 2744-2764.	3.7	59
23509	Growth of SWNTs using Cu(NO ₃) ₂ and CuO a systematic study on role of oxygen in growth of CNTs. , 2015, , .		3
23510	Field Emission Characteristics of the Structure of Vertically Aligned Carbon Nanotube Bundles. Nanoscale Research Letters, 2015, 10, 1005.	5.7	25
23511	Synthesis and Modification of Carbon Nanomaterials utilizing Microwave Heating. Advanced Materials, 2015, 27, 4113-4141.	21.0	251
23512	Preparation and characterization of P(AN-co-VA-co-DEMA) fibers coated with multiwalled carbon nanotubes by electrostatic interactions. Journal of Applied Polymer Science, 2015, 132, .	2.6	1
23513	Investigation on morphology and properties of melt compounded polyoxymethylene/carbon nanotube composites. Journal of Applied Polymer Science, 2015, 132, .	2.6	8
23514	Magnetically Active Carbon Nanotubes at Work. Chemistry - A European Journal, 2015, 21, 9288-9301.	3.3	16
23515	Preparation of Highly Flexible SiC Nanowires by Fluidized Bed Chemical Vapor Deposition. Chemical Vapor Deposition, 2015, 21, 196-203.	1.3	4
23516	A Zinc Oxide Carbon Nanotube Based Sensor for In Situ Monitoring of Hydrogen Peroxide in Swimming Pools. Electroanalysis, 2015, 27, 2552-2558.	2.9	18
23517	Influence of preparation methods on the electrical and nanomechanical properties of poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlook 132, .	2.6	7

#	ARTICLE	IF	CITATIONS
23518	Microphase separation and hard domain assembly in thermoplastic polyurethane/multiwalled carbon nanotube nanocomposites. <i>Polymer Engineering and Science</i> , 2015, 55, 2163-2173.	3.1	38
23520	Silver clusters encapsulated in C60: A density functional study. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0
23521	<i>In Situ</i> Photoluminescence Spectroelectrochemistry for Determination of Electronic States of Single-Walled Carbon Nanotubes. <i>E-Journal of Surface Science and Nanotechnology</i> , 2015, 13, 179-184.	0.4	1
23522	Novel Functional Devices of Single-walled Carbon Nanotubes. <i>Molecular Science</i> , 2015, 9, A0080.	0.2	0
23523	Comparison of Etching Effects Using Deep Ultraviolet (DUV) and Vacuum Ultraviolet/Deep Ultraviolet (VUV/DUV) Irradiation on Multiwalled Carbon Nanotubes. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2015, 66, 467-471.	0.2	0
23524	Length difference effect on dynamic behaviors of double-walled carbon nanotubes. <i>Mechanics and Industry</i> , 2015, 16, 110.	1.3	2
23525	Enhanced Stability of Carbon Doped Boron Nanotubes: An ab-initio Approach. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 73, 012075.	0.6	0
23526	Synthesis of Fe ₃ O ₄ Nanoparticles to Synthesize Bundles of Single-Walled Carbon Nanotubes. <i>Advanced Materials Research</i> , 0, 1109, 108-112.	0.3	1
23527	Toxicity of SWCNT Synthesized from Fermented Tapioca on SH-SY5Y Cells. <i>Advanced Materials Research</i> , 0, 1109, 370-375.	0.3	0
23528	A Review of Patterned Organic Bioelectronic Materials and their Biomedical Applications. <i>Advanced Materials</i> , 2015, 27, 7583-7619.	21.0	67
23529	Selective Synthesis of Single- and Multi-Walled Supramolecular Nanotubes by Using Solvophobic/Solvophilic Controls: Stepwise Radial Growth via "Coil-Coil Tube" Intermediates. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 11168-11172.	13.8	31
23530	Transcrystallinity and relevant interfacial strength induced by carbon nanotube fibers in a polypropylene matrix. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	5
23531	Unique Separation Behavior of a C ₆₀ Fullerene-Bonded Silica Monolith Prepared by an Effective Thermal Coupling Agent. <i>Chemistry - A European Journal</i> , 2015, 21, 18095-18098.	3.3	18
23532	Evaluation of the Sorbent Properties of Single- and Multiwalled Carbon Nanotubes for Volatile Organic Compounds through Thermal Desorption-Gas Chromatography/Mass Spectrometry. <i>ChemPlusChem</i> , 2015, 80, 1279-1287.	2.8	14
23533	Determination of multi-pesticide residue in tobacco using multi-walled carbon nanotubes as a reversed-dispersive solid-phase extraction sorbent. <i>Journal of Separation Science</i> , 2015, 38, 1894-1899.	2.5	11
23534	Interaction of multi-walled carbon nanotube with poly(m-aminophenol) in their processable conducting nanocomposite. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2044-2052.	1.8	3
23535	Negative Poisson's ratio for six-constant tetragonal nano/microtubes. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1580-1586.	1.5	17
23536	Comprehensive study of threonine adsorption on carbon nanotube: A dispersion complemented density functional theory-based treatment. <i>International Journal of Quantum Chemistry</i> , 2015, 115, 1606-1612.	2.0	2

#	ARTICLE	IF	CITATIONS
23537	Modeling carbon nanotube reinforced composite materials with the cylindrical method of cells. International Journal for Numerical Methods in Engineering, 2015, 103, 413-429.	2.8	5
23538	An investigation into the hydrogen bond of poly (p-phenylene benzobisoxazole)/carboxylic carbon nanotube composites, insight from quantum mechanics/molecular mechanics simulation. Polymer Composites, 2015, 36, 1454-1461.	4.6	7
23539	Segmental nitrogen doping and carboxyl functionalization of multi-walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2015, 252, 2472-2478.	1.5	4
23540	Nanostructured Hybrid Carbon Nanotube/UltraHigh-Temperature Ceramic Heterostructures: Microstructure Evolution and Forming Mechanism. Journal of the American Ceramic Society, 2015, 98, 3699-3705.	3.8	13
23541	Free torsional vibrations of carbon nanotube based on nonlocal elasticity of bi-Helmholtz type. Journal of Physics: Conference Series, 2015, 662, 012003.	0.4	3
23544	Double-Walled Carbon Nanotube Processing. Advanced Materials, 2015, 27, 3105-3137.	21.0	84
23545	Reduction of percolation threshold of multiwall carbon nanotube (MWCNT) in polystyrene (PS)/low-density polyethylene (LDPE)/MWCNT nanocomposites: An eco-friendly approach. Polymer Composites, 2015, 36, 1574-1583.	4.6	13
23546	Mechanical, rheological, and electrical properties of multiwalled carbon nanotube reinforced ASA/Na-ionomer blend. Journal of Applied Polymer Science, 2015, 132, .	2.6	3
23547	The influence of grafting methods on the aniline-formaldehyde carbon-nanotubes adducts. Polymer Science - Series B, 2015, 57, 710-716.	0.8	1
23549	Bottom-Up Construction of Mesoporous Nanotubes from 78-Component Self-Assembled Nanobarrels. Angewandte Chemie - International Edition, 2015, 54, 9844-9848.	13.8	36
23550	Synthesis and Growth Mechanism of TiC Whiskers by Carbothermal Reduction of Titania/Microcrystalline Cellulose. Journal of the American Ceramic Society, 2015, 98, 1951-1958.	3.8	9
23551	Crystallization and mechanical behavior of covalent functionalized carbon nanotube/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	2.6	10
23552	Development of hierarchical structured carbon nanotube-Nylon nanofiber mats. Journal of Applied Polymer Science, 2015, 132, .	2.6	16
23553	Probing the interactions between carboxylated multi-walled carbon nanotubes and copper-zinc superoxide dismutase at a molecular level. Luminescence, 2015, 30, 693-698.	2.9	6
23554	In Situ Synthesis of Porous Carbons by Using Room-Temperature, Atmospheric-Pressure Dielectric Barrier Discharge Plasma as High-Performance Adsorbents for Solid-Phase Microextraction. Chemistry - A European Journal, 2015, 21, 13618-13624.	3.3	14
23555	Carbon-Supported Copper Nanomaterials: Recyclable Catalysts for Huisgen [3+2] Cycloaddition Reactions. Chemistry - A European Journal, 2015, 21, 10763-10770.	3.3	65
23556	A V-Shaped Polyaromatic Amphiphile: Solubilization of Various Nanocarbons in Water and Enhanced Photostability. Chemistry - A European Journal, 2015, 21, 12741-12746.	3.3	39
23557	Improving O ₂ /N ₂ Selective Filtration Using Carbon Nanotube-Modified Mixed-Matrix Membranes. Chemical Engineering and Technology, 2015, 38, 2079-2086.	1.5	8

#	ARTICLE	IF	CITATIONS
23558	Carbon Fiber/Carbon Nanotube Buckypaper Interply Hybrid Composites: Manufacturing Process and Tensile Properties. <i>Advanced Engineering Materials</i> , 2015, 17, 1442-1453.	3.5	57
23559	Recent Progress in Obtaining Semiconducting Single-Walled Carbon Nanotubes for Transistor Applications. <i>Advanced Materials</i> , 2015, 27, 7908-7937.	21.0	67
23563	Thermoresponsive and magnetic molecularly imprinted polymers based on iron oxide encapsulated carbon nanotubes as a matrix for the selective adsorption and controlled release of 2,4,5-trichlorophenol. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	1
23564	Effect of Amide Functionalization and Precuring on Tensile Properties of MWCNT/Epoxy Nanocomposites. <i>Macromolecular Symposia</i> , 2015, 353, 88-95.	0.7	2
23565	Rheological properties and fracture toughness of epoxy resin/multi-walled carbon nanotube composites. <i>Polymer Engineering and Science</i> , 2015, 55, 2676-2682.	3.1	6
23566	Transport, magnetic and vibrational properties of chemically exfoliated few-layer graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 2438-2443.	1.5	5
23567	Beta-Sheet-Forming, Self-Assembled Peptide Nanomaterials towards Optical, Energy, and Healthcare Applications. <i>Small</i> , 2015, 11, 3623-3640.	10.0	161
23568	Exploring Two-Dimensional Transport Phenomena in Metal Oxide Heterointerfaces for Next-Generation, High-Performance, Thin-Film Transistor Technologies. <i>Small</i> , 2015, 11, 5472-5482.	10.0	45
23569	Thermal Stability of Electrical Properties and Amine Vapour Sensitivity of In-Situ Prepared Polyaniline/Graphene Nanocomposites Assisted by Sodium Dodecyl Sulfate Micelles. <i>Polymers and Polymer Composites</i> , 2015, 23, 261-270.	1.9	3
23572	Effects of Nanoparticle Size on Catalytic and Photocatalytic Activity of Carbon Nanotubes-Titanium Dioxide Composites. <i>Journal of Environmental Analytical Chemistry</i> , 2015, 02, .	0.3	2
23573	Avaliação da dureza superficial de cimentos de ionômero de vidro reforçados por nanotubos de carbono. <i>Universidade Estadual Paulista Revista De Odontologia</i> , 2015, 44, 108-112.	0.3	3
23574	Fabrication of Functionally Graded Carbon Nanotube-Reinforced Aluminium Matrix Laminate by Mechanical Powder Metallurgy Technique - Part I. <i>Journal of Material Science & Engineering</i> , 2015, 04, .	0.2	5
23575	Synthesis, Characterization and Applications of Nano-structured Metal Hexacyanoferrates: A Review. <i>Journal of Environmental Analytical Chemistry</i> , 2015, 02, .	0.3	40
23576	Amalgamation of complex iron(III) ions and iron nanoclusters with MWCNTs as a route to potential T2 MRI contrast agents. <i>International Journal of Nanomedicine</i> , 2015, 10, 3581.	6.7	8
23577	Exploiting the hierarchical morphology of single-walled and multi-walled carbon nanotube films for highly hydrophobic coatings. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 353-360.	2.8	12
23578	Small-scale effects on transverse vibrational behavior of single-walled carbon nanotubes with arbitrary boundary conditions. <i>Engineering Solid Mechanics</i> , 2015, 3, 131-144.	1.2	6
23579	Nanoelectronic Devices Based on Carbon Nanotubes. <i>Journal of Aerospace Technology and Management</i> , 2015, 7, 53-62.	0.3	5
23580	Preliminary study on piezoresistive and piezoelectric properties of a double-layer soft material for tactile sensing. <i>Medziagotyra</i> , 2015, 21, .	0.2	3

#	ARTICLE	IF	CITATIONS
23581	Mechanical and thermal behavior of polyvinyl alcohol reinforced with aligned carbon nanotubes. Revista Materia, 2015, 20, 794-802.	0.2	13
23582	Allotropes of Carbon Nanotubes with MWCNTs. Journal of Nanomedicine & Nanotechnology, 2015, 06, .	1.1	0
23583	Writing Style. , 2015, , 27-49.		0
23584	Manufacturing and characterization of multifunctional polymer-reduced graphene oxide nanocomposites. , 2015, , 157-232.		2
23585	Low-velocity Impact Response of a Nanocomposite Beam Using an Analytical Model. Latin American Journal of Solids and Structures, 2015, 12, 333-354.	1.0	12
23586	In Situ Observation of Ag Nanoparticle Catalyzed Oxidation of Carbon Nanotubes in an Aberration-corrected Environmental TEM. Microscopy and Microanalysis, 2015, 21, 423-424.	0.4	0
23587	Adsorption Studies of Cd (II) from Water by Acid Modified Multiwalled Carbon Nanotubes. Journal of Nanomedicine & Nanotechnology, 2015, 06, .	1.1	6
23588	1. Multiwalled Carbon nanotube “ Strength to polymer composite. , 2015, , 1-22.		0
23589	Refined 2D and Exact 3D Shell Models for the Free Vibration Analysis of Single- and Double-Walled Carbon Nanotubes. Technologies, 2015, 3, 259-284.	5.1	25
23590	Voltammetric and Impidimetric Detection of Anticancer Drug Mitomycin C and DNA Interaction by Using Carbon Nanotubes Modified Electrodes. Current Bionanotechnology, 2015, 1, 32-36.	0.6	3
23591	Carbon nanotube biosensors. Frontiers in Chemistry, 2015, 3, 59.	3.6	252
23592	Reinforcement of Polyethylene Terephthalate via Addition of Carbon-Based Materials. , 2015, , 41-64.		2
23593	Nanodelivery Systems as New Tools for Immunostimulant or Vaccine Administration: Targeting the Fish Immune System. Biology, 2015, 4, 664-696.	2.8	53
23594	Superior Performance Nanocomposites from Uniformly Dispersed Octadecylamine Functionalized Multi-Walled Carbon Nanotubes. Journal of Carbon Research, 2015, 1, 58-76.	2.7	15
23595	Carbon Nanotube-Based Electrochemical Sensor for the Determination of Anthraquinone Hair Dyes in Wastewaters. Chemosensors, 2015, 3, 22-35.	3.6	12
23596	Nanocomposites Based on Thermoplastic Polymers and Functional Nanofiller for Sensor Applications. Materials, 2015, 8, 3377-3427.	2.9	75
23597	Enhanced Synthesis of Carbon Nanomaterials Using Acoustically Excited Methane Diffusion Flames. Materials, 2015, 8, 4805-4816.	2.9	7
23598	Multifunctional Carbon Nanostructures for Advanced Energy Storage Applications. Nanomaterials, 2015, 5, 755-777.	4.1	73

#	ARTICLE	IF	CITATIONS
23599	Synthesis of Helical Carbon Fibers and Related Materials: A Review on the Past and Recent Developments. <i>Nanomaterials</i> , 2015, 5, 937-968.	4.1	18
23600	Impact of Carbon Nano-Onions on <i>Hydra vulgaris</i> as a Model Organism for Nanoecotoxicology. <i>Nanomaterials</i> , 2015, 5, 1331-1350.	4.1	57
23601	Carbon Nanotube/Alumina/Polyethersulfone Hybrid Hollow Fiber Membranes with Enhanced Mechanical and Anti-Fouling Properties. <i>Nanomaterials</i> , 2015, 5, 1366-1378.	4.1	29
23602	Biosensing with Förster Resonance Energy Transfer Coupling between Fluorophores and Nanocarbon Allotropes. <i>Sensors</i> , 2015, 15, 14766-14787.	3.8	29
23603	A Bottom-Up Approach for the Synthesis of Highly Ordered Fullerene-Intercalated Graphene Hybrids. <i>Frontiers in Materials</i> , 2015, 2, .	2.4	23
23604	Threshold voltage variation for charge accumulation in carbon nanotube owing to monatomic defect arrangement. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 06FF04.	1.5	0
23605	The interaction of single walled carbon nanotube (SWCNT) with phospholipids membrane: in point view of solvent effect. <i>Oriental Journal of Chemistry</i> , 2015, 31, 223-229.	0.3	1
23606	Carbon Nanotube Polymer Composites for High Performance Strain Sensors. , 2015, , .		4
23608	TEM Morphology of Carbon Nanotubes (CNTs) and its Effect on the Life of Micropunch. , 0, , .		3
23609	New Materials for the Construction of Electrochemical Biosensors. , 0, , .		19
23610	Nonlinear Dynamic Analysis of Electrostatically Actuated Single-walled Carbon Nanotubes Using Nonlocal Elasticity. <i>Latin American Journal of Solids and Structures</i> , 2015, 12, 1224-1240.	1.0	3
23611	A Ni-Doped Carbon Nanotube Sensor for Detecting Oil-Dissolved Gases in Transformers. <i>Sensors</i> , 2015, 15, 13522-13532.	3.8	37
23612	Molecular Dynamics Study on the Effect of Temperature on the Tensile Properties of Single-Walled Carbon Nanotubes with a Ni-Coating. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	2.7	5
23613	Functionalization of Multi-Walled Carbon Nanotube and Mechanical Property of Epoxy-Based Nanocomposite. <i>Journal of Aerospace Technology and Management</i> , 2015, 7, 289-293.	0.3	52
23614	Recent Advances in the Synthesis and Biomedical Applications of Nanocomposite Hydrogels. <i>Pharmaceutics</i> , 2015, 7, 413-437.	4.5	28
23615	Possibilities and limitations of advanced transmission electron microscopy for carbon-based nanomaterials. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 1541-1557.	2.8	26
23616	A Review of Spectral Methods for Dispersion Characterization of Carbon Nanotubes in Aqueous Suspensions. <i>Journal of Spectroscopy</i> , 2015, 2015, 1-11.	1.3	67
23617	X-ray photoelectron spectroscopy of graphitic carbon nanomaterials doped with heteroatoms. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 177-192.	2.8	319

#	ARTICLE	IF	CITATIONS
23618	Syntesis of Carbon Nanostructures Near Room Temperature Using Microwave PECVD. Materials Research, 2015, 18, 860-866.	1.3	11
23619	DFT Study on Adiabatic and Vertical Ionization Potentials of Graphene Sheets. Advances in Materials Science and Engineering, 2015, 2015, 1-7.	1.8	9
23620	Synthesis of Boron Nanowires, Nanotubes, and Nanosheets. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	27
23621	Preparation and Microwave Absorbing Properties of an Electroless Ni-Co Coating on Multiwall Carbon Nanotubes Using $[Ag(NH_3)_2]^{+}$ as Activator. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	2
23622	Magnetic and Electrical Properties of Nitrogen-Doped Multiwall Carbon Nanotubes Fabricated by a Modified Chemical Vapor Deposition Method. Journal of Nanomaterials, 2015, 2015, 1-14.	2.7	7
23623	Gel spinning of PVA composite fibers with high content of multi-walled carbon nanotubes and graphene oxide hybrids. IOP Conference Series: Materials Science and Engineering, 2015, 87, 012052.	0.6	2
23624	Meshing Highly Regular Structures: The Case of Super Carbon Nanotubes of Arbitrary Order. Journal of Nanomaterials, 2015, 2015, 1-26.	2.7	3
23625	Effects of Nitrogen-Doped Multiwall Carbon Nanotubes on Murine Fibroblasts. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	6
23626	Atomic Structure and Energy Distribution of Collapsed Carbon Nanotubes of Different Chiralities. Journal of Nanomaterials, 2015, 2015, 1-5.	2.7	7
23627	Dispersion of Multiwall Carbon Nanotubes in Organic Solvents through Hydrothermal Supercritical Condition. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	21
23628	The Effect of Fiber Geometry and Interfacial Properties on the Elastic Properties of Cementitious Nanocomposite Material. Journal of Nanomaterials, 2015, 2015, 1-14.	2.7	4
23629	Thermal Analysis of NR Composite with MWCNTs Aligned in a Magnetic Field. International Journal of Polymer Science, 2015, 2015, 1-6.	2.7	6
23630	Rayleigh-Ritz Vibrational Analysis of Multiwalled Carbon Nanotubes Based on the Nonlocal Fl $\frac{1}{4}$ gge Shell Theory. Journal of Composites, 2015, 2015, 1-11.	0.8	6
23631	Physical, Physicochemical, Mechanical, and Structural Characterization of Films Based on Gelatin/Glycerol and Carbon Nanotubes. International Journal of Polymer Science, 2015, 2015, 1-8.	2.7	21
23632	Elastic Properties of Boron-Nitride Nanotubes through an Atomic Simulation Method. Mathematical Problems in Engineering, 2015, 2015, 1-5.	1.1	7
23633	Observation of Surface Structure Using Transmission Electron Microscopy. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2015, 66, 573-576.	0.2	0
23634	Functionalization of Carbon Nanofibres Obtained by Floating Catalyst Method. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	5
23635	A Review on the Low-Dimensional and Hybridized Nanostructured Diamond Films. Journal of Nanomaterials, 2015, 2015, 1-15.	2.7	7

#	ARTICLE	IF	CITATIONS
23636	Elucidating How Surface Functionalization of Multiwalled Carbon Nanotube Affects Nanostructured MWCNT/Titania Hybrid Materials. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	2.7	4
23637	Performance of the Chemical and Electrochemical Composites of PPy/CNT as Electrodes in Type I Supercapacitors. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-13.	2.7	15
23638	Shear Flow Induced Alignment of Carbon Nanotubes in Natural Rubber. <i>International Journal of Polymer Science</i> , 2015, 2015, 1-8.	2.7	11
23639	Progress in Research on Carbon Nanotubes Reinforced Cementitious Composites. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-16.	1.8	30
23640	Formation, Energetics, and Electronic Properties of Graphene Monolayer and Bilayer Doped with Heteroatoms. <i>Advances in Condensed Matter Physics</i> , 2015, 2015, 1-14.	1.1	21
23641	Thermal Spectroscopy and Kinetic Studies of PEO/PVDF Loaded by Carbon Nanotubes. <i>Journal of Materials</i> , 2015, 2015, 1-8.	0.1	12
23642	Free Vibrations of a Cantilevered SWCNT with Distributed Mass in the Presence of Nonlocal Effect. <i>Scientific World Journal</i> , The, 2015, 2015, 1-12.	2.1	4
23643	Krypton Gas for High Quality Single Wall Carbon Nanotubes Synthesis by KrF Excimer Laser Ablation. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	2.7	3
23644	Correlation between macro- and nano-scopic measurements of carbon nanostructured paper elastic modulus. <i>Applied Physics Letters</i> , 2015, 107, 031903.	3.3	1
23645	CNT and proteins for bioelectronics in personalized medicine. , 2015, , 109-121.		0
23646	Paper Essentials. , 2015, , 105-140.		0
23650	Protein Purification in Chromatographic Media using Multiwall Carbon Nanotubes. <i>Journal of Bioprocessing & Biotechniques</i> , 2015, 05, .	0.2	0
23651	Large-Scale Preparation of Carbon Nanotubes via Catalytic Pyrolysis of Phenolic Resin at Low Temperature. <i>InterCeram: International Ceramic Review</i> , 2015, 64, 86-89.	0.2	3
23652	Radial stability and configuration transition of carbon nanotubes regulated by enclosed cores. <i>AIP Advances</i> , 2015, 5, .	1.3	1
23658	Evaluation of Carbon Nanotubes Functionalized Polydimethylsiloxane Based Coatings for In-Tube Solid Phase Microextraction Coupled to Capillary Liquid Chromatography. <i>Chromatography (Basel)</i> , 2015, 2, 515-528.	1.2	11
23659	Design and Analysis of High Frame Rate Capable Active Pixel Sensor by Using CNTFET Devices for Nanoelectronics. <i>International Journal of Recent Contributions From Engineering, Science & IT</i> , 2015, 3, 20.	1.5	0
23660	Electronic Structure Study of Gallium and Indium Doped (4,4)<i>armchair</i>Single-Walled Boron Nitride Nanotubes for Production of Solid-State Devices. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 68-77.	2.1	4
23661	Damping Performances of Carbon Nanotube Reinforced Cement Composite. <i>Mechanics of Advanced Materials and Structures</i> , 2015, 22, 224-232.	2.6	38

#	ARTICLE	IF	CITATIONS
23662	Chains of Carbon Nanotetrahedra/Nanoribbons. Scientific Reports, 2015, 5, 8430.	3.3	10
23663	A review of cathode materials and structures for rechargeable lithium-air batteries. Energy and Environmental Science, 2015, 8, 2144-2198.	30.8	415
23664	Broadband laser polarization control with aligned carbon nanotubes. Nanoscale, 2015, 7, 11199-11205.	5.6	14
23665	Adsorption of chlorinated phenols on multiwalled carbon nanotubes. RSC Advances, 2015, 5, 24920-24929.	3.6	22
23666	Multifunctional polybenzoxazine nanocomposites containing photoresponsive azobenzene units, catalytic carboxylic acid groups, and pyrene units capable of dispersing carbon nanotubes. RSC Advances, 2015, 5, 45201-45212.	3.6	40
23667	Effects of morphology and exposed facets of Fe_2O_3 nanocrystals on photocatalytic water oxidation. RSC Advances, 2015, 5, 52210-52216.	3.6	35
23668	Microscopy investigations of the microstructural change and thermal response of cobalt-based nanoparticles confined inside a carbon nanotube medium. Journal of Materials Chemistry A, 2015, 3, 11203-11214.	10.3	9
23669	Elemental Characterization of Single-Wall Carbon Nanotube Certified Reference Material by Neutron and Prompt I^3 Activation Analysis. Analytical Chemistry, 2015, 87, 3699-3705.	6.5	18
23670	Synthesis of Graphdiyne Nanowalls Using Acetylenic Coupling Reaction. Journal of the American Chemical Society, 2015, 137, 7596-7599.	13.7	484
23671	Reduced Cytotoxicity of Graphene Nanosheets Mediated by Blood-Protein Coating. ACS Nano, 2015, 9, 5713-5724.	14.6	271
23672	Non-covalent polymer wrapping of carbon nanotubes and the role of wrapped polymers as functional dispersants. Science and Technology of Advanced Materials, 2015, 16, 024802.	6.1	279
23673	Effect of carbon nanofillers on anticorrosive and physico-mechanical properties of hyperbranched urethane alkyd coatings. Progress in Organic Coatings, 2015, 87, 28-35.	3.9	33
23674	Supporting 1-D AgVO_3 nanoribbons on single layer 2-D graphitic carbon nitride ultrathin nanosheets and their excellent photocatalytic activities. Applied Catalysis A: General, 2015, 501, 74-82.	4.3	69
23675	Heat conduction in double-walled carbon nanotubes with intertube additional carbon atoms. Physical Chemistry Chemical Physics, 2015, 17, 16476-16482.	2.8	14
23676	Growth Mechanism of Single-Walled Carbon Nanotubes from Pt Catalysts by Alcohol Catalytic CVD. Materials Research Society Symposia Proceedings, 2015, 1752, 27-30.	0.1	0
23677	Characterization of Composite Coatings Obtained by Electrodeposition. Solid State Phenomena, 0, 228, 49-57.	0.3	0
23679	Tumour Cell Membrane Poration and Ablation by Pulsed Low-Intensity Electric Field with Carbon Nanotubes. International Journal of Molecular Sciences, 2015, 16, 6890-6901.	4.1	18
23680	Influence of fuel to oxidizer ratio on LPG sensing performance of MgFe_2O_4 nanoparticles. Materials Chemistry and Physics, 2015, 161, 135-141.	4.0	45

#	ARTICLE	IF	CITATIONS
23681	Fast and selective determination of phenazopyridine at a novel multi-walled carbon nanotube modified ZnCrFeO ₄ magnetic nanoparticle paste electrode. RSC Advances, 2015, 5, 37431-37439.	3.6	14
23682	Carbon Nanotubes and Their Potential Applications in Developing Electrochemical Biosensors for the Detection of Analytes in Food. Food Engineering Series, 2015, , 231-242.	0.7	0
23683	Carbon Nanotube Synthesis and the Role of Catalyst. , 2015, , 125-129.		2
23685	Preparation and characterization of a novel porous Ti/SnO ₂ •Sb ₂ O ₃ •CNT/PbO ₂ electrode for the anodic oxidation of phenol wastewater. RSC Advances, 2015, 5, 53504-53513.	3.6	48
23686	Nonlinear vibration of fluid-conveying single-walled carbon nanotubes under harmonic excitation. International Journal of Non-Linear Mechanics, 2015, 76, 48-55.	2.6	29
23687	Validating the anticancer potential of carbon nanotube-based therapeutics through cell line testing. Drug Discovery Today, 2015, 20, 1049-1060.	6.4	50
23688	Towards nanoreliability of CNT-based sensor applications: Investigations of CNT-metal interfaces combining molecular dynamics simulations, advanced in situ experiments and analytics. , 2015, ,		2
23689	Carbon nanotubes and catalysis: the many facets of a successful marriage. Catalysis Science and Technology, 2015, 5, 3859-3875.	4.1	106
23690	Broad Family of Carbon Nanoallotropes: Classification, Chemistry, and Applications of Fullerenes, Carbon Dots, Nanotubes, Graphene, Nanodiamonds, and Combined Superstructures. Chemical Reviews, 2015, 115, 4744-4822.	47.7	1,519
23691	Interaction and thermodynamics of methylene blue adsorption on oxidized multi-walled carbon nanotubes. Green Processing and Synthesis, 2015, 4, .	3.4	6
23692	Carbon Nanomaterials for Biological Imaging and Nanomedicinal Therapy. Chemical Reviews, 2015, 115, 10816-10906.	47.7	1,151
23693	Low temperature and cost-effective growth of vertically aligned carbon nanofibers using spin-coated polymer-stabilized palladium nanocatalysts. Science and Technology of Advanced Materials, 2015, 16, 015007.	6.1	24
23694	Graphene Nanocomposites in Optoelectronics. , 2015, , 131-156.		2
23695	Removal of dioxane pollutants from water by using Al-doped single walled carbon nanotubes. RSC Advances, 2015, 5, 48124-48132.	3.6	15
23696	Three dimensional architectures: design, assembly and application in electrochemical capacitors. Journal of Materials Chemistry A, 2015, 3, 15792-15823.	10.3	135
23697	Nonlinear integrable model of Frenkel-like excitations on a ribbon of triangular lattice. Journal of Mathematical Physics, 2015, 56, .	1.1	27
23698	Electronic structure, aromaticity and spectra of hetero[8]circulenes. Russian Chemical Reviews, 2015, 84, 455-484.	6.5	46
23699	Energetics, Electron States, and Magnetization in Nearly Zigzag-Edged Graphene Nano-Ribbons. Journal of the Physical Society of Japan, 2015, 84, 024704.	1.6	10

#	ARTICLE	IF	CITATIONS
23700	DFT studies of CNTs functionalized uracil-acetate hybrids. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 73, 105-109.	2.7	8
23701	Oxidative Synthesis And Electrochemical Studies Of Poly(aniline-co-pyrrole)-hybrid Carbon Nanostructured Composite Electrode Materials For Supercapacitor. Advanced Materials Letters, 2015, 6, 414-420.	0.6	38
23702	Hot extrusion to manufacture the metal matrix composite of carbon nanotube and aluminum with excellent electrical conductivities and mechanical properties. CIRP Annals - Manufacturing Technology, 2015, 64, 257-260.	3.6	20
23703	In Situ TEM of Carbon Nanotubes. , 2015, , 207-247.		1
23704	Photochemistry of Graphene. Structure and Bonding, 2015, , 213-238.	1.0	0
23705	Carbon Nanoadsorbents. Carbon Nanostructures, 2015, , 11-32.	0.1	15
23706	Synthesis of One Dimensional Li ₂ MoO ₄ Nanostructures and Their Electrochemical Performance as Anode Materials for Lithium-ion Batteries. Electrochimica Acta, 2015, 174, 315-326.	5.2	20
23707	Influence of the per pulse laser fluence on the optical properties of carbon nanoparticles synthesized by laser ablation of solids in liquids. Optics and Laser Technology, 2015, 74, 48-52.	4.6	39
23708	Tribological behavior of carbon-filled PPS composites in water lubricated contacts. Wear, 2015, 328-329, 456-463.	3.1	56
23709	Carbon Nanotropes: A Contemporary Paradigm in Drug Delivery. Materials, 2015, 8, 3068-3100.	2.9	49
23710	Synthesis and characterization of carbon microtube/tantalum oxide composites and their photocatalytic activity under visible irradiation. RSC Advances, 2015, 5, 56391-56400.	3.6	21
23711	Nanomolecular gas sensor architectures based on functionalized carbon nanotubes for vapor detection. , 2015, , .		1
23712	Multifunctional hierarchical nanocomposite laminates for automotive/aerospace applications. , 2015, , 491-526.		0
23713	Orientation and thermal properties of carbon nanotube/polyacrylonitrile nascent composite fibers. Journal of Polymer Research, 2015, 22, 1.	2.4	7
23714	Photofunctional Layered Materials. Structure and Bonding, 2015, , .	1.0	10
23715	Polyaromatic molecular tubes with a subnanometer pore and the guest-induced emission enhancement behavior. Chemical Communications, 2015, 51, 10451-10454.	4.1	17
23716	Sol Processing of Conjugated Carbon Nitride Powders for Thin Film Fabrication. Angewandte Chemie - International Edition, 2015, 54, 6297-6301.	13.8	354
23719	Carbon Nanomaterials as Adsorbents for Environmental and Biological Applications. Carbon Nanostructures, 2015, , .	0.1	73

#	ARTICLE	IF	CITATIONS
23720	Advances in Lithium-Ion Battery Technology Based on Functionalized Carbon Nanotubes for Electrochemical Energy Storage. , 2015, , 447-478.		1
23721	Nanoscience Advances in CBRN Agent Detection, Information and Energy Security: An Introduction. NATO Science for Peace and Security Series A: Chemistry and Biology, 2015, , 3-13.	0.5	1
23722	Self-assembled arrays of polyoxometalate-based metal-organic nanotubes for proton conduction and magnetism. Chemical Communications, 2015, 51, 11313-11316.	4.1	70
23723	Toward Controlled Growth of Helicity-Specific Carbon Nanotubes. Journal of Physical Chemistry Letters, 2015, 6, 2232-2237.	4.6	7
23724	Pulsed electrochemical deposition of Pt NPs on polybenzimidazole-CNT hybrid electrode for high-temperature proton exchange membrane fuel cells. International Journal of Hydrogen Energy, 2015, 40, 14398-14404.	7.1	7
23725	Electric field effect in the growth of carbon nanotubes. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	5
23726	Carbon and titanium dioxide nanotube polymer composite manufacturing - characterization and interphase modeling. , 2015, , 735-761.		1
23727	Scalable synthesis of three-dimensional interconnected mesoporous TiO ₂ nanotubes with ultra-large surface area. Acta Materialia, 2015, 93, 138-143.	7.9	18
23728	Dispersant selection for nanomaterials: Insight into dispersing functionalized carbon nanotubes by small polar aromatic organic molecules. Carbon, 2015, 91, 494-505.	10.3	26
23729	Direct synthesis of carbon-based microtubes by hydrothermal carbonization of microorganism cells. Chemical Engineering Journal, 2015, 276, 322-330.	12.7	11
23730	Pristine and amino functionalized carbon nanotubes reinforced glass fiber epoxy composites. Composites Part A: Applied Science and Manufacturing, 2015, 76, 92-101.	7.6	83
23731	Anomalous transfer phenomenon of carbon nanotube in the blend of polyethylene and polycarbonate. Composites Part B: Engineering, 2015, 78, 409-414.	12.0	17
23732	Carbon nanotubes obtained along variations in chemical vapor deposition process for improvement in mechanical properties of an epoxy composite. Journal of Analytical and Applied Pyrolysis, 2015, 113, 483-490.	5.5	4
23733	Tailoring environment friendly carbon nanostructures by surfactant mediated interfacial engineering. Journal of Industrial and Engineering Chemistry, 2015, 30, 1-9.	5.8	15
23734	Molecular dynamics and atomistic based continuum studies of the interfacial behavior of nanoreinforced epoxy. Mechanics of Materials, 2015, 85, 38-46.	3.2	24
23735	Mechanical properties of nanodiamond and multi-walled carbon nanotubes dual-reinforced aluminum matrix composite materials. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 632, 72-77.	5.6	37
23736	Channeling of protons in various types of radially compressed carbon nanotubes. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 316-319.	1.4	7
23738	Indirect Involvement of Amorphous Carbon Layer on Convective Heat Transfer Enhancement Using Carbon Nanofibers. Journal of Heat Transfer, 2015, 137, .	2.1	5

#	ARTICLE	IF	CITATIONS
23739	Study of the Interface/Bonding of Boron Nitride (BN) Nanocomposites. Materials Research Society Symposia Proceedings, 2015, 1767, 145-151.	0.1	3
23740	Synthesis of mica-multiwalled carbon nanotube (MWCNT) hybrid material and properties of mica-MWCNT/epoxy composites coating research. High Performance Polymers, 2015, 27, 191-199.	1.8	16
23741	Synthesis and characterization. High Performance Polymers, 2015, 27, 352-361.	1.8	7
23742	Thermal analysis of Al ₂ O ₃ +0.1% CNT ribbon. Nanoscale Research Letters, 2015, 10, 170.	5.7	14
23743	Nanotube field electron emission: principles, development, and applications. Nanotechnology, 2015, 26, 242001.	2.6	66
23744	Surface Modification of Carbon Nanotubes for High-Performance Polymer Composites. , 2015, , 13-59.		5
23745	Diethylenetriamine-functionalized single-walled carbon nanotubes (SWCNTs) to immobilization palladium as a novel recyclable heterogeneous nanocatalyst for the Suzuki-Miyaura coupling reaction in aqueous media. Comptes Rendus Chimie, 2015, 18, 636-643.	0.5	28
23746	Ordered arrays of hollow carbon nanospheres and nanotubules from polyacrylonitrile grafted on ordered mesoporous silicas using atom transfer radical polymerization. Polymer, 2015, 72, 356-360.	3.8	13
23747	Atomistic simulation of the growth of defect-free carbon nanotubes. Chemical Science, 2015, 6, 4704-4711.	7.4	44
23748	Electronic and energetic properties of FeCl ₃ and CrO ₃ interacting with single wall BN nanotube. Applied Surface Science, 2015, 349, 948-951.	6.1	1
23749	Impedimetric and stripping voltammetric determination of methamphetamine at gold nanoparticles-multiwalled carbon nanotubes modified screen printed electrode. Sensors and Actuators B: Chemical, 2015, 218, 271-279.	7.8	39
23750	In-situ combined dual-layer CNT/PVDF membrane for electrically-enhanced fouling resistance. Journal of Membrane Science, 2015, 491, 37-44.	8.2	97
23751	Graphite-graphene hybrid filler system for high thermal conductivity of epoxy composites. Journal of Materials Research, 2015, 30, 959-966.	2.6	39
23752	Development of polyurethane multiwall carbon nanotubes (MWCNTs) novel polymeric nanodielectric material. Journal of Electrostatics, 2015, 76, 95-101.	1.9	18
23753	High-performance electrochemical amperometric sensors for the sensitive determination of phenyl urea herbicides diuron and fenuron. Ionics, 2015, 21, 2675-2683.	2.4	35
23754	Effects of Heat Treatment on Mechanical Properties of Ni-P-CNT Composite Coating. Materials Science Forum, 0, 817, 493-497.	0.3	3
23755	Single-walled carbon nanotubes-carboxyl-functionalized graphene oxide-based electrochemical DNA biosensor for thermolabile hemolysin gene detection. Analytical Methods, 2015, 7, 5303-5310.	2.7	29
23756	Multiwalled carbon nanotube buckypaper induces cell cycle arrest and apoptosis in human leukemia cell lines through modulation of AKT and MAPK signaling pathways. Toxicology in Vitro, 2015, 29, 1298-1308.	2.4	17

#	ARTICLE	IF	CITATIONS
23757	Polymer nanocomposites for energy storage, energy saving, and anticorrosion. Journal of Materials Chemistry A, 2015, 3, 14929-14941.	10.3	201
23758	Introduction to One-Dimensional Bose Gases. Springer Theses, 2015, , 1-37.	0.1	0
23759	Enrichment of copper and nickel with solid phase extraction using multiwalled carbon nanotubes modified with Schiff bases. International Journal of Environmental Analytical Chemistry, 2015, 95, 698-712.	3.3	9
23760	Ball milling as a powerful nanotechnological tool for fabrication of nanomaterials. , 2015, , 84-112.		4
23761	Reinforcing Effects of Modified Nanodiamonds on the Physical Properties of Polymer-Based Nanocomposites: A Review. Polymer-Plastics Technology and Engineering, 2015, 54, 861-879.	1.9	35
23762	Hybrid and nanocomposite materials for flexible organic electronics applications. , 2015, , 57-84.		2
23763	The effect of multiwall carbon nanotube additions on the thermo-mechanical, electrical, and morphological properties of gelatin-polyvinyl alcohol blend nanocomposite. Journal of Composite Materials, 2015, 49, 1379-1391.	2.4	27
23764	Energetic stability, atomic and electronic structures of extended β -graphyne: A density functional study. Journal of Molecular Modeling, 2015, 21, 154.	1.8	7
23765	Carbon Nanotube-Based Poly(ethylene oxide) Nanocomposites. , 2015, , 299-334.		2
23766	Non-linear vibration of nanobeams with various boundary condition based on nonlocal elasticity theory. Composites Part B: Engineering, 2015, 80, 43-52.	12.0	43
23767	Mode-locked and Q-switched fiber lasers with graphene oxide based saturable absorber. , 2015, , .		1
23768	Third-order optical nonlinearity effect of DNA- and polyvinylpyrrolidone-functionalized carbon nanotubes. Journal of Nonlinear Optical Physics and Materials, 2015, 24, 1550008.	1.8	3
23769	Graphene based metal and metal oxide nanocomposites: synthesis, properties and their applications. Journal of Materials Chemistry A, 2015, 3, 18753-18808.	10.3	563
23770	Phase Behavior of Copolymers Confined in Multi-Walled Nanotubes: Insights from Simulations. Polymers, 2015, 7, 120-133.	4.5	5
23771	A comparative study on the basis of adsorption capacity between CNTs and activated carbon as adsorbents for removal of noxious synthetic dyes: a review. Journal of Nanostructure in Chemistry, 2015, 5, 227-236.	9.1	177
23773	Discovery of the K_4 Structure Formed by a Triangular \dot{C} Radical Anion. Journal of the American Chemical Society, 2015, 137, 7612-7615.	13.7	37
23774	Low temperature synthesis of carbon fibres and metal-filling carbon nanoparticles with laser irradiation into near-critical benzene. RSC Advances, 2015, 5, 12671-12677.	3.6	3
23775	Effect of aggregation on dielectric property of MWCNT/PDMS nanocomposite. , 2015, , .		2

#	ARTICLE	IF	CITATIONS
23776	Numerical analysis of open-ended single-wall carbon nanotubes optical properties. Proceedings of SPIE, 2015, , .	0.8	0
23777	Nanomanipulation of Carbon Nanotubes with the Vector Scanning Mode of Atomic Force Microscope. Integrated Ferroelectrics, 2015, 163, 81-88.	0.7	25
23778	Observation of carbon growth and interface structures in methanol solution. Japanese Journal of Applied Physics, 2015, 54, 115502.	1.5	0
23779	Improved properties of Carbon nanotube yarn spun from dense and long carbon nanotube forest. , 2015, , .		2
23780	Structure design of through silicon via interconnects and growth of carbon nanotubes. , 2015, , .		0
23781	Controlling the Diameter of Single-Walled Carbon Nanotubes by Improving the Dispersion of the Uniform Catalyst Nanoparticles on Substrate. Nano-Micro Letters, 2015, 7, 353-359.	27.0	23
23782	Marching-on in degree method for electromagnetic coupling analysis of carbon nanotubes (CNT) dipoles array. Journal of Electromagnetic Waves and Applications, 2015, 29, 2454-2471.	1.6	2
23783	Advanced properties of multiwalled carbon nanotube elastomer composites. Materials Technology, 2015, 30, 150-154.	3.0	8
23784	Atomic carbon adsorption on Ni38/Co38 clusters and three low-index Ni/Co surfaces: a density functional theory study. Materials Research Innovations, 2015, 19, S5-94-S5-100.	2.3	0
23785	1. Recent progresses on weak-light nonlinear optics. , 2015, , 1-104.		0
23786	Nanostructured material formation for beyond Si devices. , 2015, , .		0
23787	Investigation of damping and toughness properties of epoxy-based nanocomposite using different reinforcement mechanisms: polymeric alloying, nanofiber, nanolayered, and nanoparticulate materials. Science and Engineering of Composite Materials, 2015, 22, 223-229.	1.4	2
23788	Piezoresistive nanocomposite as an embedded stress sensor in instrumented knee prosthesis. , 2015, 2015, 2677-80.		1
23789	Nanotechnology. Human and Experimental Toxicology, 2015, 34, 1318-1321.	2.2	221
23790	Separation and Enrichment of Gold in Water, Geological and Environmental Samples by Solid Phase Extraction on Multiwalled Carbon Nanotubes Prior to its Determination by Flame Atomic Absorption Spectrometry. Journal of AOAC INTERNATIONAL, 2015, 98, 1733-1738.	1.5	5
23791	Structural Studies of Functionalized Single-Walled Carbon Nano-Horns. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 942-946.	2.1	6
23792	Analysis of triallate residue and degradation rate in wheat and soil by liquid chromatography coupled to tandem mass spectroscopy detection with multi-walled carbon nanotubes. International Journal of Environmental Analytical Chemistry, 2015, 95, 1413-1423.	3.3	6
23793	1-butyl-3-methylimidazolium chloride assisted electrospinning of SAN/MWCNTs conductive reinforced composite membranes. Journal of Electrostatics, 2015, 78, 11-16.	1.9	9

#	ARTICLE	IF	CITATIONS
23794	Conducting Polymeric Nano/Microstructures: From Fabrication to Sensing Applications. ACS Symposium Series, 2015, , 181-197.	0.5	1
23795	Multi-walled carbon nanotubes-g-[poly(ethylene glycol)-b-poly(μ -caprolactone)]: synthesis, characterization, and properties. Journal of Polymer Research, 2015, 22, 1.	2.4	37
23796	Analysis on mass sensing characteristics of SWCNT-based nano-mechanical resonators using continuum mechanics based finite element analysis. Journal of Mechanical Science and Technology, 2015, 29, 4801-4806.	1.5	7
23797	Microwave absorption by hydrogen plasma in carbon nanotubes films with layered dielectric structure. International Journal of Modern Physics B, 2015, 29, 1550105.	2.0	0
23798	One step fabrication of multi-walled carbon nanotubes/graphene nanoplatelets hybrid materials with excellent mechanical property. Fibers and Polymers, 2015, 16, 1540-1546.	2.1	14
23799	Role of spray processes on microstructural evolution, and physical and mechanical properties of multi-walled carbon nanotube reinforced cu composite coatings. Applied Surface Science, 2015, 356, 1039-1051.	6.1	18
23800	A comprehensive review of Li4Ti5O12-based electrodes for lithium-ion batteries: The latest advancements and future perspectives. Materials Science and Engineering Reports, 2015, 98, 1-71.	31.8	501
23801	Heterogranular-Structured Diamond“Gold Nanohybrids: A New Long-Life Electronic Display Cathode. ACS Applied Materials & Interfaces, 2015, 7, 27078-27086.	8.0	15
23802	To the mechanism coarsening of Ostwald ripening of Pt, Pd catalysts and their compounds. , 2015, , .		0
23803	The Effect of Time Interval on Waste Cooking Palm Oil Injection for Carbon Nanotubes Production. Advanced Materials Research, 2015, 1109, 94-98.	0.3	1
23804	Synthesis and Characterized of Carbon Nanotubes from Fermented Tapioca. Advanced Materials Research, 0, 1109, 365-369.	0.3	1
23805	Influence of FeO/CNFs/LDPE semi-conductive layer on space charge injection. , 2015, , .		0
23806	Sulphur-free synthesis of helical carbon nanotubes. Materials Technology, 2015, 30, 115-120.	3.0	8
23807	First-principles study of structural and electronic properties of carbon clusters. Materials Research Innovations, 2015, 19, S8-14-S8-16.	2.3	0
23808	Computational studies on the interactions of nanomaterials with proteins and their impacts. Chinese Physics B, 2015, 24, 120504.	1.4	5
23809	Modelling Calcium Signaling with a Two-Layer Cluster-Based Communication Network System. , 2015, , .		0
23810	Rheological Characterization of Fiber Suspensions and Nanocomposites. , 2015, , 19-58.		5
23811	Carbon nanotube strain gauge design and calibration. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
23812	Rhodium-decorated MWCNTs for detecting organic vapours. International Journal of Nanotechnology, 2015, 12, 562.	0.2	7
23813	Quantitative monitoring of the removal of non-encapsulated material external to filled carbon nanotube samples. Physical Chemistry Chemical Physics, 2015, 17, 31662-31669.	2.8	12
23814	A General Method Towards Efficient Synthesis and Fluorescence Tuning of Carbon Black-Derived Carbon Dots via Controlled Liquid Oxidization. Australian Journal of Chemistry, 2015, 68, 1446.	0.9	2
23815	Electrode materials for microbial fuel cells: nanomaterial approach. Materials for Renewable and Sustainable Energy, 2015, 4, 1.	3.6	177
23816	The use of carbon nanotubes for damage sensing and structural health monitoring in laminated composites: a review. Nanocomposites, 2015, 1, 167-184.	4.2	119
23817	Indentation size effect and wear characteristics of spark plasma sintered, hard MWCNT/Al ₂ O ₃ nanocomposites. Advances in Applied Ceramics, 2015, 114, 448-455.	1.1	5
23818	Non-solution treatment method of carbon nanotubes to prepare strong and tough polymer nanocomposites. , 2015, , .		0
23819	Interface Dynamics in Strained Polymer Nanocomposites: Stick-Slip Wrapping as a Prelude to Mechanical Backbone Twisting Derived from Sonication-Induced Amorphization. Journal of Physical Chemistry C, 2015, 119, 20091-20099.	3.1	4
23820	Preparation of multi-walled carbon nanotubes and its application as flame retardant for polypropylene. Micro and Nano Letters, 2015, 10, 625-629.	1.3	6
23821	Three-dimensional architectures constructed using two-dimensional nanosheets. Science China Chemistry, 2015, 58, 1792-1799.	8.2	19
23822	Dynamic stability analysis of embedded multi-walled carbon nanotubes in thermal environment. Acta Mechanica Solida Sinica, 2015, 28, 659-667.	1.9	29
23823	Preparation, Morphology and Properties of Acyl Azide-Functionalized Carbon Nanotubes. Integrated Ferroelectrics, 2015, 163, 98-105.	0.7	0
23824	Conjugated polymer sorting of semiconducting carbon nanotubes and their electronic applications. Nano Today, 2015, 10, 737-758.	11.9	111
23825	Development of solid-phase microextraction fibers based on multi-walled carbon nanotubes for pre-concentration and analysis of alkanes in human breath. Journal of Chromatography A, 2015, 1425, 34-41.	3.7	12
23826	Ultrastrong carbon nanotube/ bismaleimide composite film with super-aligned and tightly packing structure. Composites Science and Technology, 2015, 117, 176-182.	7.8	29
23827	Modifications in optical and electrical properties of selenium nanowire arrays using ion beam irradiation. Applied Physics A: Materials Science and Processing, 2015, 121, 571-579.	2.3	6
23828	Microstructure and Mechanical Properties of Multiwall Carbon Nanotubes Reinforced Polymer Composites. Materials Today: Proceedings, 2015, 2, 3598-3604.	1.8	8
23829	Challenges and opportunities for graphene as transparent conductors in optoelectronics. Nano Today, 2015, 10, 681-700.	11.9	73

#	ARTICLE	IF	CITATIONS
23830	Investigating linear and nonlinear viscoelastic behaviour and microstructures of gelatin-multiwalled carbon nanotube composites. RSC Advances, 2015, 5, 107916-107926.	3.6	21
23831	Synthesis of carbon nanotubes using microwave oven. , 2015, , .		2
23832	A Review of Hydrophilization of Oxidized Nanocarbons. ACS Symposium Series, 2015, , 25-41.	0.5	1
23833	Formation mechanism of graphite hexagonal pyramids by argon plasma etching of graphite substrates. Journal Physics D: Applied Physics, 2015, 48, 495304.	2.8	10
23834	Nanobiohybrid: A Favorite Candidate for Future Water Purification Technology. Advanced Materials Research, 2015, 1131, 193-197.	0.3	3
23835	Carbon Nanotubes in Liquid Crystals: Fundamental Properties and Applications. Springer Proceedings in Physics, 2015, , 243-297.	0.2	23
23836	Single molecular transistor as a superior gas sensor. Journal of Applied Physics, 2015, 118, .	2.5	22
23837	Vibration and buckling analyses of nanobeams embedded in an elastic medium. Chinese Physics B, 2015, 24, 097305.	1.4	10
23838	Interaction of a two-dimensional electromagnetic pulse with an electron inhomogeneity in an array of carbon nanotubes in the presence of field inhomogeneity. European Physical Journal D, 2015, 69, 1.	1.3	14
23839	Covalent addition of chitosan to graphene sheets: Density functional theory explorations of quadrupole coupling constants. Superlattices and Microstructures, 2015, 88, 56-61.	3.1	13
23840	Internal length parameter and buckling analysis of carbon nanotubes using modified couple stress theory and Timoshenko beam model. Materials Research Express, 2015, 2, 105009.	1.6	8
23841	Synthesis of 2D materials in arc plasmas. Journal Physics D: Applied Physics, 2015, 48, 314007.	2.8	43
23842	Chemical Bonding, Reactivity, and Viability of Large Boron Clusters. Annual Reports in Computational Chemistry, 2015, 11, 147-187.	1.7	1
23843	Electrical and optical polarization responses of composite films based on aligned carbon nanotubes. RSC Advances, 2015, 5, 86811-86816.	3.6	3
23844	Carbon nanotube-reinforced elastomeric nanocomposites: a review. International Journal of Smart and Nano Materials, 2015, 6, 211-238.	4.2	81
23845	Nanomaterials for new and emerging physical sensing applications: a review of recent developments. Sensor Review, 2015, 35, 321-328.	1.8	3
23846	Aerosol synthesized carbon nanotube films for stretchable electronic applications. , 2015, , .		2
23847	Modification of mechanical properties of polymers by SiO ₂ - MgO coated multiwalled carbon nanotubes. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
23848	Multiwall carbon nanotube/copper porous coating for heat transfer application. Surface Engineering, 2015, 31, 723-732.	2.2	13
23849	Field electron emission characteristics of plasma treated carbon nanotubes. Modern Physics Letters B, 2015, 29, 1540030.	1.9	7
23850	Quantitative Production of Charges with a Carbon Nanotubes Coated Electrode Based on Trichel Pulses. Key Engineering Materials, 0, 645-646, 92-97.	0.4	0
23851	Synthesis of ZnO nanowire array film on Mg doped gallium nitride substrate. Materials Science and Technology, 2015, 31, 1837-1841.	1.6	3
23852	A 3D self-consistent percolative model for AC-DC electrical analysis of carbon nanotubes networks. , 2015, , .		1
23853	A Study on the Mechanical Characteristics of Cu-CNT Composites by Extrusion Process. Applied Mechanics and Materials, 0, 764-765, 8-12.	0.2	1
23854	12.1 Introduction “C nanotubes. , 2015, , 666-680.		0
23855	Modification of carbon nanotube with poly(3-hexylthiophene) by using RF rotating plasma. , 2015, , .		0
23856	CVD growth of carbon nanotubes on thin-film Ni20Ti35N45 alloy catalyst. Technical Physics Letters, 2015, 41, 1177-1180.	0.7	3
23857	Experimental study of thermopower of SWCNTs and SiC nanoparticles with B-P (born-phosphorus) sol-gel dopants. Materials Research Innovations, 2015, 19, 410-417.	2.3	1
23858	Co-production of hydrogen and carbon nanofibers from catalytic decomposition of methane over LaNi(1-x)MxO3± perovskite (where M=Co, Fe and X=O, 0.2, 0.5, 0.8, 1). International Journal of Hydrogen Energy, 2015, 40, 13399-13411.	1.1	52
23859	Wet spinning of PVA composite fibers with a large fraction of multi-walled carbon nanotubes. Progress in Natural Science: Materials International, 2015, 25, 445-452.	4.4	39
23860	Effect of Device Parameters on Carbon Nanotube Field Effect Transistor in Nanometer Regime. Journal of Nano Research, 2015, 36, 64-75.	0.8	5
23861	Experimental Comparative Study of Carbon Nanotubes Synthesized from CO and CH ₄ by Flame Pyrolysis Method. Applied Mechanics and Materials, 0, 751, 55-60.	0.2	1
23862	CVD method for carbon nanotubes preparation based on orthogonal experiment using C ₃ H ₆ . Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 959-964.	1.0	5
23863	Removal of Co(II) from aqueous solutions by sulfonated magnetic multi-walled carbon nanotubes. Korean Journal of Chemical Engineering, 2015, 32, 2247-2256.	2.7	10
23864	Effect of carbon nano tube (CNT) particles in magnetic abrasive finishing of Mg alloy bars. Journal of Mechanical Science and Technology, 2015, 29, 5325-5333.	1.5	19
23865	Copolymer-templated nitrogen-enriched nanocarbons as a low charge-transfer resistance and highly stable alternative to platinum cathodes in dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 4413-4419.	10.3	45

#	ARTICLE	IF	CITATIONS
23866	Tight-binding description of optoelectronic properties of silicon nanotubes. Optical and Quantum Electronics, 2015, 47, 2169-2179.	3.3	8
23867	Nonlinear vibration of matrix cracked laminated beams containing carbon nanotube reinforced composite layers in thermal environments. Composite Structures, 2015, 124, 35-43.	5.8	30
23868	Nickel ions removal from water by two different morphologies of induced CNTs in mullite pore channels as adsorptive membrane. Ceramics International, 2015, 41, 5464-5472.	4.8	30
23869	Preparation and Characterization of Single-Crystal Silica Nanotubes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 770-772.	0.6	2
23870	A third-generation biosensor for hydrogen peroxide based on the immobilization of horseradish peroxidase on a disposable carbon nanotubes modified screen-printed electrode. Mikrochimica Acta, 2015, 182, 1241-1246.	5.0	22
23871	A first principles study on the mechanical properties of hexagonal zinc oxide sheets. Superlattices and Microstructures, 2015, 79, 15-20.	3.1	10
23872	Synthesis and Applications of One-Dimensional Porous Nanowire Arrays: A Review. Nano, 2015, 10, 1530001.	1.0	19
23873	Improved electro-oxidation of triclosan at nano-zinc oxide-multiwalled carbon nanotube modified glassy carbon electrode. Sensors and Actuators B: Chemical, 2015, 209, 898-905.	7.8	48
23874	Determination of Acephate in Vegetables by Magnetic Molecularly Imprinted Polymer Isolation Coupled with High-Performance Liquid Chromatography. Analytical Letters, 2015, 48, 752-765.	1.8	11
23875	An exact analysis for the hoop elasticity and pressure-induced twist of CNT-nanovessels and CNT-nanopipes. Mechanics of Materials, 2015, 82, 47-62.	3.2	8
23876	A feasible way for the fabrication of single walled carbon nanotube/polypyrrole composite film with controlled pore size for neural interface. Colloids and Surfaces B: Biointerfaces, 2015, 126, 138-145.	5.0	10
23877	Applications of Nanoparticles in Elemental Speciation. Analytical Letters, 2015, 48, 1031-1043.	1.8	8
23878	The effect of functionalized single walled carbon nanotube with octadecylamine on efficiency of poly-(3-hexylthiophene): [(6,6)] phenyl C61 butyric acid methyl ester organic solar cells. Physica B: Condensed Matter, 2015, 461, 85-91.	2.7	12
23879	First principles study on B/P pair and Al/N pair doping carbon nanotubes. Chemical Physics Letters, 2015, 619, 189-192.	2.6	6
23880	Electronic properties of $\hat{1}^2$ -graphyne bilayers. Chemical Physics Letters, 2015, 620, 67-72.	2.6	14
23881	Synthesis of New PI/MWCNT Containing Sulfone Groups via In Situ Polymerization: Study on Thermal, Electrical, and Optical Properties. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 406-410.	3.4	4
23882	Experimental investigation on the ammonia adsorption and heat transfer characteristics of the packed multi-walled carbon nanotubes. Applied Thermal Engineering, 2015, 77, 20-29.	6.0	42
23883	Micro and Nano Fabrication. , 2015, , .		28

#	ARTICLE	IF	CITATIONS
23884	Solid-State Materials and Molecular Cavities and Containers for the Supramolecular Recognition and Storage of NOX-Species: A Review. Comments on Inorganic Chemistry, 2015, 35, 128-178.	5.2	8
23885	Confinement induced binding in noble gas atoms within a BN-doped carbon nanotube. Chemical Physics Letters, 2015, 621, 29-34.	2.6	33
23886	Analysis of different parameters of channel material and temperature on threshold voltage of CNTFET. Materials Science in Semiconductor Processing, 2015, 31, 431-438.	4.0	25
23887	An X-ray investigation of the adsorption of methane, water, and their mixtures in carbon micropores. Carbon, 2015, 85, 8-15.	10.3	11
23888	Mechanical and Dielectric Properties of SiC _f /Al ₂ O ₃ Composites with Multi-Walled Carbon Nanotubes. International Journal of Applied Ceramic Technology, 2015, 12, 1045-1053.	2.1	1
23889	Vibrational heat capacity of carbon nanotubes at low and ultra-low temperatures. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 68, 133-139.	2.7	9
23890	Thermal conductivity of epoxy resins filled with MWCNT and hydrotalcite clay: Experimental data and theoretical predictive modeling. Polymer Composites, 2015, 36, 1118-1123.	4.6	19
23891	Surface Functionalized Carbon Nanotubes for Biomedical Applications. Frontiers in Nanobiomedical Research, 2015, , 157-179.	0.1	1
23892	Electronic properties and charge carrier mobilities of graphynes and graphdiynes from first principles. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2015, 5, 215-227.	14.6	42
23893	Dramatic Improvement in Water Retention and Proton Conductivity in Electrically Aligned Functionalized CNT/SPEEK Nanohybrid PEM. ACS Applied Materials & Interfaces, 2015, 7, 264-272.	8.0	164
23894	Removal of heavy metals from aqueous solution by multiwalled carbon nanotubes: equilibrium, isotherms, and kinetics. Desalination and Water Treatment, 2015, 53, 3521-3530.	1.0	26
23895	Biodegradation of carbon nanohorns in macrophage cells. Nanoscale, 2015, 7, 2834-2840.	5.6	48
23896	The effect of boron doping on the thermal conductivity of zigzag carbon nanotubes. International Journal of Modern Physics B, 2015, 29, 1550025.	2.0	9
23897	Comprehensive spectroscopic studies on the interaction of biomolecules with surfactant detached multi-walled carbon nanotubes. Colloids and Surfaces B: Biointerfaces, 2015, 128, 315-321.	5.0	8
23898	Crystal orbital study on the combined carbon nanowires constructed from linear carbon chains encapsulated in zigzag double-walled carbon nanotubes. Current Applied Physics, 2015, 15, 342-351.	2.4	15
23899	On the tensile behavior of hetero-junction carbon nanotubes. Composites Part B: Engineering, 2015, 75, 274-280.	12.0	16
23900	Carbon nanotube composite membranes for microfiltration of pharmaceuticals and personal care products: Capabilities and potential mechanisms. Journal of Membrane Science, 2015, 479, 165-174.	8.2	117
23901	Solvated fullerenes, a new class of carbon materials suitable for high-pressure studies: A review. Journal of Physics and Chemistry of Solids, 2015, 84, 85-95.	4.0	35

#	ARTICLE	IF	CITATIONS
23902	Shape-controlled synthesis of nickel phosphide nanocrystals and their application as hydrogen evolution reaction catalyst. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 80, 22-25.	4.0	23
23903	Carbon nanotube/polyaniline nanocomposites: Electronic structure, doping level and morphology investigations. <i>Synthetic Metals</i> , 2015, 203, 16-21.	3.9	32
23904	Experiments and FE simulation for twin screw mixing of nanocomposite of polypropylene/multi-walled carbon nanotubes. <i>Composites Science and Technology</i> , 2015, 107, 169-176.	7.8	9
23905	The analysis of electronic structures, adsorption properties, NBO, QTAIM and NMR parameters of the adsorbed hydrogen sulfide on various sites of the outer surface of aluminum phosphide nanotube: a DFT study. <i>Structural Chemistry</i> , 2015, 26, 1059-1075.	2.0	37
23906	One-pot, template-free synthesis of hydrophobic single-crystalline La(OH) ₃ nanowires with tunable size and their d ⁰ ferromagnetic properties. <i>RSC Advances</i> , 2015, 5, 16093-16100.	3.6	6
23907	Nanocarbons for mesoscopic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9020-9031.	10.3	104
23908	Techniques of Introducing Intentional Voids into Particles and Fibers. , 2015, , 73-102.		0
23909	Fabrication and properties of polycarbonate composites with polycarbonate grafted multi-walled carbon nanotubes by reactive extrusion. <i>Polymer</i> , 2015, 60, 18-25.	3.8	37
23910	R & D on carbon nanostructures in Russia: scientometric analysis, 1990â€“2011. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	9
23911	A concurrent multi-scale technique in modeling heterogeneous FCC nano-crystalline structures. <i>Mechanics of Materials</i> , 2015, 83, 40-65.	3.2	17
23912	The comparison of dispersive solid phase extraction and multi-plug filtration cleanup method based on multi-walled carbon nanotubes for pesticides multi-residue analysis by liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1385, 1-11.	3.7	75
23913	Simultaneous determination of hydroquinone and catechol using a modified glassy carbon electrode by ruthenium red/carbon nanotube. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1139-1147.	2.2	44
23914	Systematic review of catalyst nanoparticles synthesized by solution process: towards efficient carbon nanotube growth. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 484-500.	2.4	8
23915	Tribological behaviour and wear of carbon nanotubes grafted on carbon fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 71, 168-175.	7.6	18
23916	Filled and peptide-modified single-walled carbon nanotubes: synthesis, characterization, and in vitro test for cancer cell targeting. <i>RSC Advances</i> , 2015, 5, 16792-16800.	3.6	3
23917	Multiwalled carbon nanotubes noncovalently functionalized by electro-active amphiphilic copolymer micelles for selective dopamine detection. <i>RSC Advances</i> , 2015, 5, 18233-18241.	3.6	15
23918	A higher-order nonlocal elasticity and strain gradient theory and its applications in wave propagation. <i>Journal of the Mechanics and Physics of Solids</i> , 2015, 78, 298-313.	4.8	1,161
23919	Synthesis and properties of iron oxide coated carbon nanotubes hybrid materials and their use in epoxy coatings. <i>Polymers for Advanced Technologies</i> , 2015, 26, 414-421.	3.2	12

#	ARTICLE	IF	CITATIONS
23920	Integrable Nonlinear Schrödinger System on a Triangular-Lattice Ribbon. Journal of the Physical Society of Japan, 2015, 84, 014003.	1.6	21
23921	Characterization of functional groups on oxidized multi-wall carbon nanotubes by potentiometric titration. Catalysis Today, 2015, 249, 23-29.	4.4	25
23922	VO ₂ nanorods for efficient performance in thermal fluids and sensors. Nanoscale, 2015, 7, 6159-6172.	5.6	70
23923	A Fractal Analysis of the Detection of Biomarkers for Different Diseases on Biosensor Surfaces. , 2015, , 597-652.		1
23924	Colloidally Stabilized Magnetic Carbon Nanotubes Providing MRI Contrast in Mouse Liver Tumors. Biomacromolecules, 2015, 16, 790-797.	5.4	16
23925	Magnetic-field-assisted electrospinning highly aligned composite nanofibers containing well-aligned multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2015, 132, .	2.6	30
23926	Low temperature synthesized carbon nanotube superstructures with superior CO ₂ and hydrogen storage capacity. Journal of Materials Chemistry A, 2015, 3, 5148-5161.	10.3	84
23927	Recent progress in synthesis, properties and potential applications of SiC nanomaterials. Progress in Materials Science, 2015, 72, 1-60.	32.8	415
23929	Multidimensional carbon allotropes as electrochemical detectors in capillary and microchip electrophoresis. Electrophoresis, 2015, 36, 179-194.	2.4	48
23930	Carbon monoxide monitoring using pristine and Cu-functionalized aluminum nitride and silicon carbide nanotubes; DFT study. Journal of Molecular Liquids, 2015, 204, 147-155.	4.9	5
23931	Basic concepts and recent advances in nitrophenol reduction by gold- and other transition metal nanoparticles. Coordination Chemistry Reviews, 2015, 287, 114-136.	18.8	657
23932	The influence of cations and anions on some structural and electronic properties of single-walled zigzag boron nitride and aluminum nitride nanotubes: a computational study. Structural Chemistry, 2015, 26, 1013-1024.	2.0	5
23934	Room temperature hydrogen gas sensing properties of Pt sputtered F-MWCNTs/SnO ₂ network. Sensors and Actuators B: Chemical, 2015, 210, 742-747.	7.8	30
23935	Formation of single and multi-walled carbon nanotubes and graphene from Indian bituminous coal. Fuel, 2015, 147, 35-42.	6.4	60
23936	Toxicology Considerations in Nanomedicine. , 2015, , 239-261.		1
23937	Comparative evaluation of hydrogen storage behavior of Pd doped carbon nanotubes prepared by wet impregnation and polyol methods. International Journal of Hydrogen Energy, 2015, 40, 3268-3276.	7.1	62
23938	Comparison of sample digestion techniques for the determination of trace and residual catalyst metal content in single-wall carbon nanotubes by inductively coupled plasma mass spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 105, 89-94.	2.9	24
23939	Toxicoproteomic analysis of pulmonary carbon nanotube exposure using LC-MS/MS. Toxicology, 2015, 329, 80-87.	4.2	14

#	ARTICLE	IF	CITATIONS
23940	Mass spectrometry and its role in advancing cluster science. <i>International Journal of Mass Spectrometry</i> , 2015, 377, 235-247.	1.5	15
23941	Triggering compatibility and dispersion by selective plasma functionalized carbon nanotubes to fabricate tough and enhanced Nylon 12 composites. <i>Polymer</i> , 2015, 58, 153-161.	3.8	23
23942	Visible light photocatalytic activities of carbon nanotube/titanic acid nanotubes derived-TiO ₂ composites for the degradation of methylene blue. <i>Advanced Powder Technology</i> , 2015, 26, 8-13.	4.1	13
23943	Towards graphyne molecular electronics. <i>Nature Communications</i> , 2015, 6, 6321.	12.8	135
23944	An approach for homogeneous carbon nanotube dispersion in Al matrix composites. <i>Materials & Design</i> , 2015, 72, 1-8.	5.1	159
23945	Influence of iron impurities on defected graphene. <i>Chemical Physics</i> , 2015, 449, 14-22.	1.9	8
23946	Facile synthesis of $\text{Fe}_2\text{O}_3/\text{SnO}_2$ core-shell heterostructure nanotubes for high performance gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 27-34.	7.8	103
23947	Structured Assemblages of Single-Walled 3d Transition Metal Silicate Nanotubes as Precursors for Composition-Tailorable Catalysts. <i>Chemistry of Materials</i> , 2015, 27, 658-667.	6.7	43
23948	Exact solutions of bending deflections for nano-beams and nano-plates based on nonlocal elasticity theory. <i>Composite Structures</i> , 2015, 125, 304-313.	5.8	85
23949	The hybrid of Pd and SWCNT (Pd loaded on SWCNT) as an efficient sensor for the formaldehyde molecule detection: A DFT study. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 55-62.	7.8	75
23950	Beam-Induced Nonuniform Shrinkage of Single-Walled Carbon Nanotube and Passivation Effect of Metal Nanoparticle. <i>Journal of Physical Chemistry C</i> , 2015, 119, 6239-6245.	3.1	10
23951	Graft-Induced Midgap States in Functionalized Carbon Nanotubes. <i>ACS Nano</i> , 2015, 9, 2626-2634.	14.6	13
23952	Reprogramming Cellular Signaling Machinery Using Surface-Modified Carbon Nanotubes. <i>Chemical Research in Toxicology</i> , 2015, 28, 296-305.	3.3	9
23953	Syntheses of the Smallest Carbon Nanohoops and the Emergence of Unique Physical Phenomena. <i>Accounts of Chemical Research</i> , 2015, 48, 557-566.	15.6	257
23954	Hybrid, Tunable-Diameter, Metal Oxide Nanotubes for Trapping of Organic Molecules. <i>Chemistry of Materials</i> , 2015, 27, 1488-1494.	6.7	56
23955	Random Networks of Single-Walled Carbon Nanotubes Promote Mesenchymal Stem Cell's Proliferation and Differentiation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 1560-1567.	8.0	18
23956	Transport, Aharonov-Bohm, and Topological Effects in Graphene Molecular Junctions and Graphene Nanorings. <i>Journal of Physical Chemistry C</i> , 2015, 119, 11131-11142.	3.1	13
23957	Fabrication of an electrochemical sensor based on carbon nanotubes modified with gold nanoparticles for determination of valrubicin as a chemotherapy drug: Valrubicin-DNA interaction. <i>Materials Science and Engineering C</i> , 2015, 49, 769-775.	7.3	37

#	ARTICLE	IF	CITATIONS
23958	Fabrication and characterization of polymer composites surface coated $\text{Fe}_3\text{O}_4/\text{MWCNT}$ s hybrid buckypaper as a novel microwave-absorbing structure. Journal of Applied Polymer Science, 2015, 132, .	2.6	14
23959	Structure of boron nitride nanotubes. Crystallography Reports, 2015, 60, 90-94.	0.6	3
23960	Nanotechnology and Plant Sciences. , 2015, , .		79
23961	Green catalysis by nanoparticulate catalysts developed for flow processing? Case study of glucose hydrogenation. RSC Advances, 2015, 5, 15898-15908.	3.6	20
23962	Well-ordered nanohybrids and nanoporous materials from gyroid block copolymer templates. Chemical Society Reviews, 2015, 44, 1974-2018.	38.1	198
23963	Advanced Physical Chemistry of Carbon Nanotubes. Annual Review of Physical Chemistry, 2015, 66, 331-356.	10.8	42
23964	Electrical percolation thresholds of semiconducting single-walled carbon nanotube networks in field-effect transistors. Physical Chemistry Chemical Physics, 2015, 17, 6874-6880.	2.8	20
23965	The photochemistry of carbon nanotubes and its impact on the photo-degradation of dye pollutants in aqueous solutions. Journal of Colloid and Interface Science, 2015, 439, 98-104.	9.4	18
23966	General Strategy for Preparation of Carbon-Nanotube-Supported Nanocatalysts with Hollow Cavities and Mesoporous Shells. Chemistry of Materials, 2015, 27, 726-734.	6.7	38
23967	Progress of new label-free techniques for biosensors: a review. Critical Reviews in Biotechnology, 2016, 36, 1-17.	9.0	159
23968	Comparative kinetic study of functionalized carbon nanotubes and magnetic biochar for removal of Cd^{2+} ions from wastewater. Korean Journal of Chemical Engineering, 2015, 32, 446-457.	2.7	54
23969	Helium ion microscopy of electrospun CNT-polymer composites. Journal of Materials Research, 2015, 30, 130-140.	2.6	8
23970	Synthesis of carbon nanotube/layered double hydroxide nanocomposite as a novel fiber coating for the headspace solid-phase microextraction of phenols from water samples. Journal of Separation Science, 2015, 38, 1344-1350.	2.5	33
23971	Encapsulation of an f-block metal atom/ion to enhance the stability of C_{20} with the h_3 symmetry. Physical Chemistry Chemical Physics, 2015, 17, 4328-4336.	2.8	12
23972	Direct electron transfer of glucose oxidase and dual hydrogen peroxide and glucose detection based on water-dispersible carbon nanotubes derivative. Analytica Chimica Acta, 2015, 867, 83-91.	5.4	26
23973	Nanotechnology-Enabled Drug Delivery for Cancer Therapy. , 2015, , 173-193.		5
23974	Single-Walled Metal-Organic Nanotube Built from a Simple Synthon. Chemistry - A European Journal, 2015, 21, 4300-4307.	3.3	37
23975	Review on carbon-based composite materials for capacitive deionization. RSC Advances, 2015, 5, 15205-15225.	3.6	319

#	ARTICLE	IF	CITATIONS
23976	Radiative properties of argon-helium-nitrogen-carbon-cobalt-nickel plasmas used in CNT synthesis. Journal Physics D: Applied Physics, 2015, 48, 065202.	2.8	10
23977	Dielectric properties of ultraviolet cured poly(dimethyl siloxane) sub-percolative composites containing percolative amounts of multi-walled carbon nanotubes. RSC Advances, 2015, 5, 12792-12799.	3.6	40
23978	Construction of the First Rhodium(I) Cyclic Pentameric Structure [Rh(CO)Cl{(1/4-NtBuP)2(Câ%o;CPh)2}]5 Using (Phenylethynyl)cyclodiphosphazanes. Inorganic Chemistry, 2015, 54, 1200-1202.	4.0	15
23979	Simple, effective fabrication of layered carbon nanotube/graphene hybrid field emitters by electrophoretic deposition. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2015, 33, 011802.	1.2	7
23980	Carbon nanotubes part I: preparation of a novel and versatile drug-delivery vehicle. Expert Opinion on Drug Delivery, 2015, 12, 1071-1087.	5.0	88
23981	Asymmetric dyes align inside carbon nanotubes to yield a large nonlinear optical response. Nature Nanotechnology, 2015, 10, 248-252.	31.5	88
23982	Elastomeric nanocomposite scaffolds made from poly(glycerol sebacate) chemically crosslinked with carbon nanotubes. Biomaterials Science, 2015, 3, 46-58.	5.4	85
23983	Preparation of polypyrrole nanoparticles and their composites: effect of electronic properties on hydrogen adsorption. Polymer International, 2015, 64, 696-703.	3.1	18
23984	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage. , 2015, , 213-289.		6
23985	Highly dispersible surface-unzipped multi-walled carbon nanotubes as binder-free electrodes for supercapacitor applications. Current Applied Physics, 2015, 15, S21-S26.	2.4	15
23986	H₂-Selective Catalytic Oxidation: Catalysts and Processes. ACS Catalysis, 2015, 5, 1053-1067.	11.2	257
23987	Electronic properties of disordered zigzag carbon nanotubes. International Journal of Modern Physics B, 2015, 29, 1550020.	2.0	1
23988	Rational design of three-dimensional nitrogen-doped carbon nanoleaf networks for high-performance oxygen reduction. Journal of Materials Chemistry A, 2015, 3, 5617-5627.	10.3	32
23989	Bio-inspired synthesis of Y2O3: Eu3+ red nanophosphor for eco-friendly photocatalysis. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 141, 149-160.	3.9	71
23990	Glycoprofiling of cancer biomarkers: Label-free electrochemical lectin-based biosensors. Open Chemistry, 2015, 13, 636-655.	1.9	48
23992	Effect of growth temperature and feedstock:catalyst ratio on the production of carbon nanotubes and hydrogen from the pyrolysis of waste plastics. Journal of Analytical and Applied Pyrolysis, 2015, 113, 231-238.	5.5	110
23993	Electrochemical sensor based on a bilayer of PPY-MWCNTs-BiCoPc composite and molecularly imprinted PoAP for sensitive recognition and determination of metolcarb. RSC Advances, 2015, 5, 11498-11505.	3.6	14
23994	Fabrication of LiMnPO4-MWCNT cathode material via vapor phase hydrolysis and its electrochemical properties. Ionics, 2015, 21, 651-656.	2.4	1

#	ARTICLE	IF	CITATIONS
23995	Fâ ⁺ , Clâ ⁺ , Li ⁺ and Na ⁺ adsorption on AlN nanotube surface: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 69, 75-80.	2.7	76
23996	Influence of the hydrocarbon chain length of imidazolium-based ionic liquid on the dispersion and stabilization of double-walled carbon nanotubes in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 107-116.	4.7	8
23997	Recent progress in solar cells based on one-dimensional nanomaterials. <i>Energy and Environmental Science</i> , 2015, 8, 1139-1159.	30.8	164
23998	Carbon Nanotubes and Modern Nanoagriculture. , 2015, , 183-201.		14
23999	Synthesis of mesitylene-based polyamine dendrimer for functionalisation of single-walled carbon nanotubes. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 429-437.	2.4	4
24000	Preparation and Characterization of Hematite-Multiwall Carbon Nanotubes Nanocomposite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 901-904.	1.8	3
24001	Nanomaterials-based electrochemical sensors for nitric oxide. <i>Mikrochimica Acta</i> , 2015, 182, 455-467.	5.0	52
24002	On the study of elastic properties of CNT-reinforced composites based on element-free MLS method with nanoscale cylindrical representative volume element. <i>Composite Structures</i> , 2015, 124, 1-9.	5.8	34
24003	Gallium nitride porous microtubules self-assembled from wurtzite nanorods. <i>Journal of Crystal Growth</i> , 2015, 415, 139-145.	1.5	8
24004	Modeling and Analysis of Crosstalk Induced Effects in Multiwalled Carbon Nanotube Bundle Interconnects: An ABCD Parameter-Based Approach. <i>IEEE Nanotechnology Magazine</i> , 2015, 14, 259-274.	2.0	69
24005	Distinct element method for multiscale modeling of cross-linked carbon nanotube bundles: From soft to strong nanomaterials. <i>Journal of Materials Research</i> , 2015, 30, 19-25.	2.6	16
24006	Influence of humic acids on sorption of alkanes by carbon nanotubes – Implications for the dominant sorption mode. <i>Chemosphere</i> , 2015, 119, 1169-1175.	8.2	10
24007	Synthesis of tetrahydro-4H-indol-4-one derivatives catalyzed by carbonaceous material. <i>Catalysis Communications</i> , 2015, 62, 6-9.	3.3	27
24008	Synthesis, treatment, and application of a novel carbon nanostructure for removal of fluoride from aqueous solution. <i>Desalination and Water Treatment</i> , 2015, 54, 2432-2440.	1.0	4
24009	The electronic response of nano-sized tube of BeO to CO molecule: a density functional study. <i>Structural Chemistry</i> , 2015, 26, 809-814.	2.0	44
24010	Highly Strained Nonclassical Nanotube End-caps. A Single-Step Solution Synthesis from Strain-Free, Non-Macrocyclic Precursors. <i>Journal of the American Chemical Society</i> , 2015, 137, 1643-1649.	13.7	70
24012	Properties and Applications of Polymer Nanocomposite. , 2015, , 43-98.		3
24013	As-synthesized multi-walled carbon nanotubes for the removal of ionic and non-ionic surfactants. <i>Journal of Hazardous Materials</i> , 2015, 286, 195-203.	12.4	56

#	ARTICLE	IF	CITATIONS
24014	Carbon Nanotube Based Operational Transconductance Amplifier: A Simulation Study. , 2015, , 231-242.		8
24015	Nonlocal vibration of Y-shaped CNT conveying nano-magnetic viscous fluid under magnetic field. Ain Shams Engineering Journal, 2015, 6, 565-575.	6.1	19
24016	The interaction between sugar-based surfactant with zigzag single-walled carbon nanotubes: insight from a computational study. Liquid Crystals, 2015, 42, 158-166.	2.2	3
24017	Temperature effect on the synthesis of carbon nanotubes and core-shell Ni nanoparticle by thermal CVD. Diamond and Related Materials, 2015, 52, 59-65.	3.9	19
24018	Pull-out simulations of interfacial properties of amine functionalized multi-walled carbon nanotube epoxy composites. Computational Materials Science, 2015, 99, 232-241.	3.0	76
24019	Superhard $\langle \text{BC} \rangle_3$ in Cubic Diamond Structure. Physical Review Letters, 2015, 114, 015502.	7.8	180
24020	Influence of induced magnetic field and heat flux with the suspension of carbon nanotubes for the peristaltic flow in a permeable channel. Journal of Magnetism and Magnetic Materials, 2015, 381, 405-415.	2.3	156
24021	The novel Elvaloy4170/functionalized multi-walled carbon nanotubes mixed matrix membranes: Fabrication, characterization and gas separation study. Journal of the Taiwan Institute of Chemical Engineers, 2015, 49, 220-228.	5.3	46
24022	Functionalized multiwalled carbon nanotubes as reinforcing agents for poly(vinyl alcohol) and poly(vinyl alcohol)/starch nanocomposites: synthesis, characterization and properties. Polymer International, 2015, 64, 689-695.	3.1	27
24023	Magnetoresistance of Mn-decorated topological line defects in graphene. Physical Review B, 2015, 91, .	3.2	7
24024	Site and chirality selective chemical modifications of boron nitride nanotubes (BNNTs) via Lewis acid-base interactions. Physical Chemistry Chemical Physics, 2015, 17, 3850-3866.	2.8	20
24025	The redox-active nanomaterial toolbox for cancer therapy. Cancer Letters, 2015, 359, 9-19.	7.2	55
24026	A perfectly aligned 6×3 helical tubular cuprous bromide single crystal for selective photo-catalysis, luminescence and sensing of nitro-explosives. Dalton Transactions, 2015, 44, 3410-3416.	3.3	12
24027	Tailoring carbon nanotubes surface with maleic anhydride for highly dispersed PtRu nanoparticles and their electrocatalytic oxidation of methanol. RSC Advances, 2015, 5, 16986-16992.	3.6	10
24028	Prediction of chirality- and size-dependent elastic properties of single-walled boron nitride nanotubes based on an accurate molecular mechanics model. Superlattices and Microstructures, 2015, 80, 196-205.	3.1	19
24029	Theoretical study of carbon double cones. European Physical Journal B, 2015, 88, 1.	1.5	4
24030	Mass spectrometric study of ammonia/methane surface-wave plasma applied to low-temperature growth of carbon nanomaterials. Journal Physics D: Applied Physics, 2015, 48, 045201.	2.8	3
24031	mRNA and miRNA Regulatory Networks Reflective of Multi-Walled Carbon Nanotube-Induced Lung Inflammatory and Fibrotic Pathologies in Mice. Toxicological Sciences, 2015, 144, 51-64.	3.1	37

#	ARTICLE	IF	CITATIONS
24032	A Primer on the Geometry of Carbon Nanotubes and Their Modifications. SpringerBriefs in Applied Sciences and Technology, 2015, , .	0.4	3
24034	Effect of Co and Ni nanoparticles formation on carbon nanotubes growth via PECVD. Journal of Experimental Nanoscience, 2015, 10, 1232-1241.	2.4	19
24036	The influence of carbon nanotubes characteristics in their performance as positive electrodes in vanadium redox flow batteries. Sustainable Energy Technologies and Assessments, 2015, 9, 105-110.	2.7	25
24037	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage:. , 2015, , 125-211.		10
24038	Nitrogen-doped carbon dots from plant cytoplasm as selective and sensitive fluorescent probes for detecting p-nitroaniline in both aqueous and soil systems. Analyst, The, 2015, 140, 1428-1431.	3.5	45
24039	An innovative approach for separation and purification of natural products using carbon nanotubeâ€alginate gel beads as a novel stationary phase. RSC Advances, 2015, 5, 10878-10885.	3.6	2
24040	Nonisothermal Crystallization and Melting Behavior of EVA/OMWNTs Nanocomposites. Polymer-Plastics Technology and Engineering, 2015, 54, 390-401.	1.9	2
24041	Development of highly sensitive UV sensor using morphology tuned ZnO nanostructures. Applied Physics A: Materials Science and Processing, 2015, 118, 595-603.	2.3	10
24042	Supramolecular modification of multi-walled carbon nanotubes with Î²-cyclodextrin for better dispersibility. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	5
24043	Predicting and Designing Optical Properties of Inorganic Materials. Annual Review of Materials Research, 2015, 45, 491-518.	9.3	56
24044	Graphdiyneâ€metal contacts and graphdiyne transistors. Nanoscale, 2015, 7, 2116-2127.	5.6	94
24045	Multi-walled carbon nanotubes-agarose gel micro-solid phase extraction for the determination of triazine herbicides in water samples. Analytical Methods, 2015, 7, 2862-2868.	2.7	15
24046	Carboxyl groups trigger the activity of carbon nanotube catalysts for the oxygen reduction reaction and agar conversion. Nano Research, 2015, 8, 502-511.	10.4	19
24047	Impact of Electric Field Application During Curing on Epoxy-Carbon Nanotube Nanocomposite Electrical Conductivity. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 627-634.	3.7	9
24048	Polymerization study and rheological behavior of a RTM6 epoxy resin system during preprocessing step. Journal of Thermal Analysis and Calorimetry, 2015, 119, 329-336.	3.6	15
24049	Multi-walled carbon nanotubes as novel promoter of catalysts for certain hydrogenation and dehydrogenation reactions. Science China Chemistry, 2015, 58, 47-59.	8.2	7
24050	Buckling of multi-walled silicon carbide nanotubes under axial compression via a molecular mechanics model. Applied Physics A: Materials Science and Processing, 2015, 118, 845-854.	2.3	1
24051	Synthesis of Nanostructured Carbon through Ionothermal Carbonization of Common Organic Solvents and Solutions. Angewandte Chemie - International Edition, 2015, 54, 5507-5512.	13.8	70

#	ARTICLE	IF	CITATIONS
24052	Electrophoretic deposition of multi-walled carbon nanotubes on porous anodic aluminum oxide using ionic liquid as a dispersing agent. <i>Applied Surface Science</i> , 2015, 341, 109-119.	6.1	26
24053	Multi-Fractal Hierarchy of Single-Walled Carbon Nanotube Hydrophobic Coatings. <i>Scientific Reports</i> , 2015, 5, 8583.	3.3	53
24054	Electronic structure and optical properties of boron nitride nanotube bundles from first principles. <i>Superlattices and Microstructures</i> , 2015, 82, 630-638.	3.1	6
24055	Pulsed Plasma Assisted Growth of Vertically Aligned Carbon Nanotubes at Low Temperature on Mo Substrate. <i>Plasma Chemistry and Plasma Processing</i> , 2015, 35, 247-257.	2.4	2
24056	Detection of biological objects using dynamic characteristics of double-walled carbon nanotubes. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 681-695.	3.1	9
24057	Carbon nanotubes as base material for fabrication of gap waveguide components. <i>Sensors and Actuators A: Physical</i> , 2015, 224, 163-168.	4.1	5
24058	Application and Uses of Graphene. , 2015, , 1-38.		27
24059	Characterizing the mechanical properties of carbon nanocones using an accurate spring-mass model. <i>Computational Materials Science</i> , 2015, 101, 260-266.	3.0	13
24060	Dispersion of carbon nanotubes in organic solvent by commercial polymers with ethylene chains: Experimental and theoretical studies. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 035101.	1.5	6
24061	An ultrasensitive electrochemiluminescence sensor for detecting diphenhydramine hydrochloride based on l-cysteine-functionalized multiwalled carbon nanotubes/gold nanoparticles nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 5-11.	7.8	26
24062	An investigation on the effects of functionalized multi-walled carbon nanotube on mechanical and thermal properties of dopamine-bearing poly(amide-imide) composite films. <i>Journal of Thermoplastic Composite Materials</i> , 2015, 28, 1644-1661.	4.2	8
24063	Synthesis, Characterization, and ECAP Consolidation of Carbon Nanotube Reinforced AA 4032 Nanocrystalline Composites Produced by High Energy Ball Milling. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2015, 137, .	1.4	2
24064	Elastomeric composites based on carbon nanomaterials. <i>Nanotechnology</i> , 2015, 26, 112001.	2.6	119
24065	Predicting elastic properties of single-walled boron nitride nanotubes and nanocones using an atomistic-continuum approach. <i>Composite Structures</i> , 2015, 125, 489-498.	5.8	28
24066	Electrocatalytic oxidation of 2-mercaptoethanol using modified glassy carbon electrode by MWCNT in combination with unsymmetrical manganese (II) Schiff base complexes. <i>Materials Research Bulletin</i> , 2015, 66, 219-225.	5.2	6
24067	PVT variations of a behaviorally modeled single walled carbon nanotube field-effect transistor (SW-CNTFET). , 2015, , .		4
24068	Effective adsorption of chromium(Cr^{VI})/Cr(Cr^{III}) from aqueous solution using ionic liquid functionalized multiwalled carbon nanotubes as a super sorbent. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7044-7057.	10.3	201
24069	Hepatic oxidative stress and catalyst metals accumulation in goldfish exposed to carbon nanotubes under different pH levels. <i>Aquatic Toxicology</i> , 2015, 160, 142-150.	4.0	32

#	ARTICLE	IF	CITATIONS
24070	Thermodynamic characteristics of the adsorption of oxygen by multilayer carbon nanotubes. Russian Journal of Physical Chemistry A, 2015, 89, 453-461.	0.6	1
24071	Crack Formation in Powder Metallurgy Carbon Nanotube (CNT)/Al Composites During Post Heat-Treatment. Jom, 2015, 67, 2887-2891.	1.9	8
24072	Liquid droplet evaporation from buckypaper: On the fundamental properties of the evaporation profile. Microporous and Mesoporous Materials, 2015, 209, 105-112.	4.4	11
24073	Controlled modification of carbon nanotubes and polyaniline on macroporous graphite felt for high-performance microbial fuel cell anode. Journal of Power Sources, 2015, 283, 46-53.	7.8	169
24074	Nanocomposites based on epoxy resin and organoclay functionalized with a reactive modifier having structural similarity with the curing agent. Polymer, 2015, 63, 41-51.	3.8	33
24075	Chiral surfactants for dispersing carbon nanotubes. Polymer Chemistry, 2015, 6, 2909-2918.	3.9	12
24076	Nanotechnology in the management of cervical cancer. Reviews in Medical Virology, 2015, 25, 72-83.	8.3	48
24077	Synthesis of high purity chain-like carbon nanospheres in ultrahigh yield, and their microwave absorption properties. RSC Advances, 2015, 5, 16010-16016.	3.6	24
24078	A QM:MM model for the interaction of DNA nucleotides with carbon nanotubes. Physical Chemistry Chemical Physics, 2015, 17, 7564-7575.	2.8	19
24079	Growth and Plasma Functionalization of Carbon Nanotubes. Journal of Cluster Science, 2015, 26, 315-336.	3.3	16
24080	Highly bright multicolour emission through energy migration in core/shell nanotubes. Dalton Transactions, 2015, 44, 6645-6654.	3.3	13
24081	Adsorption of sulfamethazine by multi-walled carbon nanotubes: effects of aqueous solution chemistry. RSC Advances, 2015, 5, 25541-25549.	3.6	74
24082	Polyoxometalate-based layered nano-tubular arrays: facile fabrication and superior performance for catalysis. RSC Advances, 2015, 5, 24550-24557.	3.6	10
24083	Soluble carbon nanotubes/phthalocyanines transparent electrode and interconnection layers for flexible inverted polymer tandem solar cells. Organic Electronics, 2015, 21, 86-91.	2.6	28
24084	DFT, QTAIM, and NBO Study of Adsorption of Rare Gases into and on the Surface of Sulfur-Doped, Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2015, 119, 6502-6510.	3.1	45
24085	Macroscopic Carbon Nanotube-based 3D Monoliths. Small, 2015, 11, 3263-3289.	10.0	83
24086	Low temperature chlorobenzene catalytic oxidation over MnO _x /CNTs with the assistance of ozone. RSC Advances, 2015, 5, 15103-15109.	3.6	28
24087	Elastic properties of chiral carbon nanotubes under oxygen adsorption. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 70, 129-134.	2.7	10

#	ARTICLE	IF	CITATIONS
24088	Scale effects on nonlocal buckling analysis of bilayer composite plates under non-uniform uniaxial loads. Applied Mathematics and Mechanics (English Edition), 2015, 36, 1-10.	3.6	11
24089	On the Thermal Buckling Characteristics of Armchair Single-Walled Carbon Nanotube Embedded in an Elastic Medium Based on Nonlocal Continuum Elasticity. Brazilian Journal of Physics, 2015, 45, 225-233.	1.4	38
24090	Nanotube- and graphene-based photomedicine for cancer therapeutics. , 2015, , 291-329.		1
24092	Fabrication of flexible, transparent and conductive films from single-walled carbon nanotubes with high aspect ratio using poly((furfuryl methacrylate)-co-(2-(dimethylamino)ethyl methacrylate)) as a new polymeric dispersant. Nanoscale, 2015, 7, 6745-6753.	5.6	25
24093	Geometry Dependence of Electronic and Energetic Properties of One-Dimensional Peanut-Shaped Fullerene Polymers. Journal of Physical Chemistry A, 2015, 119, 3048-3055.	2.5	12
24094	Single-walled carbon nanotubes as near-infrared optical biosensors for life sciences and biomedicine. Biotechnology Journal, 2015, 10, 447-459.	3.5	79
24095	Insights into the electrocatalysis of nitrobenzene using chemically-modified carbon nanotube electrodes. Scientific Reports, 2014, 4, 6321.	3.3	32
24096	Ambient solid-state mechano-chemical reactions between functionalized carbon nanotubes. Nature Communications, 2015, 6, 7291.	12.8	35
24097	Molecules with Biological Interest Adsorbed on Carbon Nanostructures. Carbon Nanostructures, 2015, , 107-122.	0.1	0
24098	Magnetic correlations in ferromagnetic single-walled nanotubes. Journal of Magnetism and Magnetic Materials, 2015, 390, 132-136.	2.3	7
24099	Removal of cadmium ion from wastewater by carbon-based nanosorbents: a review. Journal of Water and Health, 2015, 13, 18-33.	2.6	55
24100	Heat transfer in microcellular polystyrene/multi-walled carbon nanotube nanocomposite foams. Carbon, 2015, 93, 819-829.	10.3	158
24101	Rare Earth Based Anisotropic Nanomaterials: Synthesis, Assembly, and Applications. Nanoscience and Technology, 2015, , 157-208.	1.5	0
24102	Adsorption-Based Model for Single-Wall Carbon Nanotube Response to NO ₂ Gas. Adsorption Science and Technology, 2015, 33, 37-43.	3.2	4
24103	Electrocatalytic boost up of epinephrine and its simultaneous resolution in the presence of serotonin and folic acid at poly(serine)/multi-walled carbon nanotubes composite modified electrode: A voltammetric study. Materials Science and Engineering C, 2015, 56, 57-65.	7.3	50
24104	Nanomaterials for boron and gadolinium neutron capture therapy for cancer treatment. Pure and Applied Chemistry, 2015, 87, 123-134.	1.9	9
24105	Carbon nanotube biconvex microcavities. Applied Physics Letters, 2015, 106, .	3.3	22
24106	Degradation of the Common Aqueous Antibiotic Tetracycline using a Carbon Nanotube Electrochemical Filter. Environmental Science & Technology, 2015, 49, 7974-7980.	10.0	200

#	ARTICLE	IF	CITATIONS
24107	Improvement of impact-resistant property of glass fiber-reinforced composites by carbon nanotube-modified epoxy and pre-stretched fiber fabrics. <i>Journal of Materials Science</i> , 2015, 50, 5978-5992.	3.7	36
24108	Fabrication of electrochemical sensor for paracetamol based on multi-walled carbon nanotubes and chitosan-copper complex by self-assembly technique. <i>Talanta</i> , 2015, 144, 252-257.	5.5	64
24109	Shape memory polymer-based self-healing composites. , 2015, , 293-363.		6
24110	Effect of substrate heating and microwave attenuation on the catalyst free growth and field emission of carbon nanotubes. <i>Carbon</i> , 2015, 94, 256-265.	10.3	27
24111	Fluorescent chemosensor for pyridine based on N-doped carbon dots. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 209-216.	9.4	56
24112	Post-annealing effects of electroless Ni-B-plated MWCNTs on thermal conductivity of epoxy-based composites. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 31, 47-50.	5.8	5
24113	Anomalous Compression of $D_{5(450)}C_{100}$ by Encapsulating $La_{2}C_{2}$ Cluster instead of La_{2} . <i>Journal of the American Chemical Society</i> , 2015, 137, 10292-10296.	13.7	46
24114	Preparation and Ferroelectric Properties of $BaTiO_{3}$ Nanotubes. <i>Key Engineering Materials</i> , 2015, 655, 159-163.	0.4	2
24115	Potato starch-derived almond-shaped carbon nanoparticles for non enzymatic detection of sucrose. <i>New Carbon Materials</i> , 2015, 30, 244-251.	6.1	4
24116	Investigation of carbon nanotube-containing film on silicon substrates and its tribological behavior. <i>Applied Surface Science</i> , 2015, 355, 272-278.	6.1	7
24117	Multi-wall carbon nanotubes as support of copper-cerium composite for preferential oxidation of carbon monoxide. <i>Journal of Power Sources</i> , 2015, 293, 1016-1023.	7.8	35
24118	Influence of Citric Acid Dosage on Activity of Fe-Ni-Mo/MgO Catalyst for Carbon Nanotube Synthesis. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 985-988.	2.1	0
24119	Multifunctional MWCNTs- $NaGdF_{4} : Yb^{3+}, Er^{3+}, Eu^{3+}$ hybrid nanocomposites with potential dual-mode luminescence, magnetism and photothermal properties. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 22659-22667.	2.8	30
24120	Effects of CNT diameter on mechanical properties of aligned CNT sheets and composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 76, 289-298.	7.6	69
24121	Capped carbon nanotube photovoltaic cells: Influence of distribution of the five-membered rings on the efficiency. <i>Diamond and Related Materials</i> , 2015, 58, 24-30.	3.9	4
24122	Influence of Waviness and Vacancy Defects on Carbon Nanotubes Properties. <i>Procedia Engineering</i> , 2015, 100, 213-219.	1.2	18
24123	PEGylation of carbon nanotubes via mussel inspired chemistry: Preparation, characterization and biocompatibility evaluation. <i>Applied Surface Science</i> , 2015, 351, 425-432.	6.1	74
24124	A numerical study on carbon nanotube pullout to understand its bridging effect in carbon nanotube reinforced composites. <i>Composites Part B: Engineering</i> , 2015, 81, 64-71.	12.0	41

#	ARTICLE	IF	CITATIONS
24125	Carbon nanotubes versus polyaniline nanoparticles; which transducer offers more opportunities for designing a stable solid contact ion-selective electrode. <i>Journal of Electroanalytical Chemistry</i> , 2015, 755, 122-126.	3.8	27
24126	TEM study of the (SbS) ₁ +(NbS ₂) _n , (n=1, 2, 3; $\hat{\Gamma}$ ~1.14, 1.20) misfit layer phases. <i>Journal of Solid State Chemistry</i> , 2015, 230, 357-368.	2.9	2
24127	Facile fabrication of morphology-tunable SnO nanostructures by catalyst-free growth. <i>Materials Letters</i> , 2015, 158, 5-8.	2.6	3
24128	Numerical analysis of the elastic-plastic properties of the composites incorporating nanohybrid shish-kebab structures. <i>Computational Materials Science</i> , 2015, 109, 56-65.	3.0	3
24129	Preparation in-situ of carbon nanotubes/polyaniline modified electrode and application for ascorbic acid detection. <i>Journal of Electroanalytical Chemistry</i> , 2015, 755, 39-46.	3.8	22
24130	Ultra-long SiC nanowires synthesized by a simple method. <i>RSC Advances</i> , 2015, 5, 66403-66408.	3.6	38
24131	A Review on Polymeric Nanocomposites of Nanodiamond, Carbon Nanotube, and Nanobifiller: Structure, Preparation and Properties. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 1379-1409.	1.9	55
24132	Graphene fiber: a new trend in carbon fibers. <i>Materials Today</i> , 2015, 18, 480-492.	14.2	307
24133	One-Pot Synthesis of Carbon Nanofibers from CO ₂ . <i>Nano Letters</i> , 2015, 15, 6142-6148.	9.1	209
24134	Electrochemical wastewater treatment with carbon nanotube filters coupled with in situ generated H ₂ O ₂ . <i>Environmental Science: Water Research and Technology</i> , 2015, 1, 769-778.	2.4	78
24135	Effects of inter-tube coupling on the electro-optical properties of silicon carbide nanotube bundles studied by density functional theory. <i>Optical Materials</i> , 2015, 47, 512-517.	3.6	11
24136	Tuned electronic, optical and mechanical properties of pristine and hetero nanotubes of group IV elements (C, Si and Ge). <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 73, 54-62.	2.7	10
24137	Density control of aligned carbon nanotubes from controlled deposition of Fe catalyst nanoparticles using the filler-added Langmuir-Blodgett technique. <i>Thin Solid Films</i> , 2015, 589, 115-119.	1.8	5
24138	Analytical and numerical investigations on buckling behavior of nanotube structures. <i>Acta Mechanica</i> , 2015, 226, 3695-3705.	2.1	4
24139	DFT, QTAIM, and NBO investigations of the ability of the Fe or Ni doped CNT to absorb and sense CO and NO. <i>Journal of Molecular Modeling</i> , 2015, 21, 225.	1.8	8
24140	Torsional behavior of single-walled carbon nanotubes. <i>Carbon</i> , 2015, 94, 826-835.	10.3	9
24141	Load transfer mechanism of the composites incorporating nanohybrid shish-kebab structures. <i>Composite Structures</i> , 2015, 121, 247-257.	5.8	8
24142	Synthesis and measurements of the optical bandgap of single crystalline complex metal oxide BaCuV ₂ O ₇ nanowires by UV-VIS absorption. <i>Journal of Alloys and Compounds</i> , 2015, 641, 201-204.	5.5	2

#	ARTICLE	IF	CITATIONS
24143	Interfacial Interactions in 1D and 2D Nanostructure-Based Material Systems. Nanoscience and Technology, 2015, , 379-424.	1.5	1
24144	Development of nanocomposite with epoxidized natural rubber and functionalized multiwalled carbon nanotubes for enhanced thermal conductivity and gas barrier property. Materials and Design, 2015, 83, 777-785.	7.0	41
24145	Enhanced figure of merit in $Mg_{2Si_{0.877}Ge_{0.1}Bi_{0.023}}$ /multi wall carbon nanotube nanocomposites. RSC Advances, 2015, 5, 65328-65336.	3.6	20
24146	Stress magnification due to carbon nanotube agglomeration in composites. Composite Structures, 2015, 133, 246-256.	5.8	55
24147	Selective Synthesis of Graphitic Carbon and Polyacetylene by Electrochemical Reduction of Halogenated Carbons in Ionic Liquid at Room Temperature. Electrochimica Acta, 2015, 176, 388-393.	5.2	3
24148	Low-temperature intermediates to oxygen reduction reaction catalysts based on amine-modified metal-loaded carbons. An XPS and ss-NMR investigation. Materials Chemistry and Physics, 2015, 162, 234-243.	4.0	25
24149	Nontronites as catalyst for synthesis of carbon nanotubes by catalytic chemical vapor deposition.. Applied Clay Science, 2015, 114, 170-178.	5.2	9
24150	The patterning mechanism of carbon nanotubes using surface acoustic waves: the acoustic radiation effect or the dielectrophoretic effect. Nanoscale, 2015, 7, 14047-14054.	5.6	49
24151	Polypropylene membrane coated with carbon nanotubes functionalized with chitosan: Application in the microextraction of polychlorinated biphenyls and polybrominated diphenyl ethers from environmental water samples. Journal of Chromatography A, 2015, 1408, 56-62.	3.7	21
24152	Interaction of carbohydrate modified boron nitride nanotubes with living cells. Colloids and Surfaces B: Biointerfaces, 2015, 134, 440-446.	5.0	40
24153	Effect of milling time on the formation of carbon nanotube by mechano-thermal method. Bulletin of Materials Science, 2015, 38, 857-863.	1.7	6
24154	Simulation of mechanical properties of carbon nanotubes with superlattice structure. Current Applied Physics, 2015, 15, 1216-1221.	2.4	3
24155	Adsorption of acetyl halide molecules on the surface of pristine and Al-doped graphene: Ab initio study. Applied Surface Science, 2015, 355, 233-241.	6.1	91
24156	Stochastic stability and bifurcation characteristics of multiwalled carbon nanotubes-absorbing hydrogen atoms subjected to thermal perturbation. International Journal of Hydrogen Energy, 2015, 40, 12880-12888.	7.1	6
24157	Pure and carbon-doped boron phosphide (6,0) zigzag nanotube: A computational NMR study. Physica B: Condensed Matter, 2015, 477, 1-7.	2.7	1
24158	High-temperature creep properties of TATB-based polymer bonded explosives filled with multi-walled carbon nanotubes. RSC Advances, 2015, 5, 21376-21383.	3.6	22
24159	Binding energy and mechanical stability of two parallel and crossing carbon nanotubes. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150229.	2.1	12
24160	Green chemical functionalization of single-wall carbon nanotube with methylimidazolium dicyanamide ionic liquid: A first principle computational exploration. Journal of Molecular Liquids, 2015, 211, 498-505.	4.9	13

#	ARTICLE	IF	CITATIONS
24161	Iron nanoparticles decorated multi-wall carbon nanotubes modified carbon paste electrode as an electrochemical sensor for the simultaneous determination of uric acid in the presence of ascorbic acid, dopamine and l-tyrosine. Materials Science and Engineering C, 2015, 57, 328-337.	7.3	79
24162	Charge transfer and storage in nanostructures. Materials Science and Engineering Reports, 2015, 96, 1-69.	31.8	74
24163	Structural and Magnetic Changes Induced by Electron and Ion Irradiation on HOPG. , 2015, 9, 62-68.		2
24164	Numerical simulation of polarization beam splitter with triangular lattice of multi-walled carbon nanotube arrays. Optics Communications, 2015, 356, 182-185.	2.1	1
24165	Vibrational properties of single-walled silver nanotubes studied from first principles. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 74, 310-317.	2.7	1
24166	Highly sensitive, room temperature gas sensor based on polyaniline-multiwalled carbon nanotubes (PANI/MWCNTs) nanocomposite for trace-level ammonia detection. Sensors and Actuators B: Chemical, 2015, 221, 1523-1534.	7.8	311
24167	CMOS compatible on-chip decoupling capacitor based on vertically aligned carbon nanofibers. Solid-State Electronics, 2015, 107, 15-19.	1.4	13
24168	Facile tuning of a polymeric dispersant for single-walled carbon nanotube dispersion. RSC Advances, 2015, 5, 69410-69417.	3.6	10
24169	Functionalized Solid Electrodes for Electrochemical Biosensing of Purine Nucleobases and Their Analogues: A Review. Sensors, 2015, 15, 1564-1600.	3.8	46
24170	A nonlocal plate model incorporating interatomic potentials for vibrations of graphene with arbitrary edge conditions. Current Applied Physics, 2015, 15, 1062-1069.	2.4	30
24171	Nanospot welding of carbon nanotubes using near-field enhancement effect of AFM probe irradiated by optical fiber probe laser. RSC Advances, 2015, 5, 56677-56685.	3.6	45
24172	AIM and NBO analyses on the interaction between SWCNT and cyclophosphamide as an anticancer drug: A density functional theory study. Journal of Theoretical and Computational Chemistry, 2015, 14, 1550021.	1.8	4
24173	Preparation and characterization of poly(ether imide) nanocomposites and nanocomposite foams. , 2015, , 61-85.		8
24174	The processing of polycarbonate nanocomposites generated with various nanofillers. , 2015, , 87-101.		0
24175	Preparation and characterization of polyoxymethylene nanocomposites. , 2015, , 103-125.		5
24176	Preparation, characterization, and applications of poly(ethylene terephthalate) nanocomposites. , 2015, , 167-198.		5
24177	Microstructured optical fiber filled with carbon nanotubes. , 2015, , 85-109.		0
24178	Preparation of Nitrogen-Doped Carbon Spheres by Injecting Pyrolysis of Pyridine. ACS Sustainable Chemistry and Engineering, 2015, 3, 1786-1793.	6.7	41

#	ARTICLE	IF	CITATIONS
24179	Fabrication, microstructure, and microhardness of copper composites reinforced by carbon nanotubes. <i>Physics of the Solid State</i> , 2015, 57, 1206-1212.	0.6	9
24180	Multi-Walled Carbon Nanotubes Promote Cementoblast Differentiation and Mineralization through the TGF- β 2/Smad Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2015, 16, 3188-3201.	4.1	16
24181	Relative stability and local curvature analysis in carbon nanotube. <i>Physical Review B</i> , 2015, 91, .	3.2	9
24182	Carbonaceous Anode Materials. <i>Green Energy and Technology</i> , 2015, , 135-156.	0.6	0
24183	Nanoparticles: Blood Components Interactions. , 2015, , 1352-1360.		1
24184	Third-Nearest-Neighbors Tight-Binding Description of Optical Response of Carbon Nanotubes: Effects of Chirality and Diameter. <i>Journal of Electronic Materials</i> , 2015, 44, 3500-3511.	2.2	12
24185	Chemistry of one dimensional silicon carbide materials: Principle, production, application and future prospects. <i>Progress in Solid State Chemistry</i> , 2015, 43, 98-122.	7.2	54
24186	The graphene/nucleic acid nanobiointerface. <i>Chemical Society Reviews</i> , 2015, 44, 6954-6980.	38.1	181
24187	A highly sensitive persulfate sensor based on a hybrid nanocomposite with silicomolybdate doping poly(3,4-ethylenedioxythiophene) on multi-walled carbon nanotubes. <i>RSC Advances</i> , 2015, 5, 59946-59952.	3.6	5
24188	A molecular dynamics study on the vibration of carbon and boron nitride double-walled hybrid nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 1399-1406.	2.3	32
24189	Quantum Chemical Simulation of Carbon Nanotube Nucleation on Al ₂ O ₃ Catalysts via CH ₄ Chemical Vapor Deposition. <i>Journal of the American Chemical Society</i> , 2015, 137, 9281-9288.	13.7	25
24190	The new dimension of silver. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19695-19699.	2.8	52
24191	Time-temperature-Transformation Cure Diagram of Multiwall Carbon Nanotube/Epoxy Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 1057-1065.	1.9	1
24192	Natural Rubber. , 2015, , 1377-1382.		1
24193	Nanofibers and Electrospinning. , 2015, , 1323-1337.		8
24194	Potential of carbon nanotubes in algal biotechnology. <i>Photosynthesis Research</i> , 2015, 125, 451-471.	2.9	39
24195	A new perspective in multifunctional composite materials. , 2015, , 42-67.		12
24196	Adsorption of dyes by nanomaterials: Recent developments and adsorption mechanisms. <i>Separation and Purification Technology</i> , 2015, 150, 229-242.	7.9	582

#	ARTICLE	IF	CITATIONS
24197	DFT studies of 5-fluorouracil tautomers on a silicon graphene nanosheet. Superlattices and Microstructures, 2015, 85, 784-788.	3.1	38
24198	Transport characteristics of organic solvents through carbon nanotube filled styrene butadiene rubber nanocomposites: the influence of rubber-filler interaction, the degree of reinforcement and morphology. Physical Chemistry Chemical Physics, 2015, 17, 11217-11228.	2.8	74
24199	Understanding the stable boron clusters: A bond model and first-principles calculations based on high-throughput screening. Journal of Chemical Physics, 2015, 142, 214307.	3.0	27
24200	Electrochemical sensors based on carbon nanomaterials for acetaminophen detection: A review. Analytica Chimica Acta, 2015, 886, 16-28.	5.4	137
24201	Pristine and <scp>BN</scp> doped graphyne derivatives for <scp>UV</scp> light protection. International Journal of Quantum Chemistry, 2015, 115, 820-829.	2.0	80
24202	Stable and solid pellets of functionalized multi-walled carbon nanotubes produced under high pressure and temperature. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	3
24203	The Effect of Ni Catalyst on the Growth of Multi-Walled Carbon Nanotubes by PECVD Method. Advanced Materials Research, 0, 1107, 314-319.	0.3	0
24204	Hydrophilic Carbon Nano-Particles; Preparation and Applications. Advanced Materials Research, 2015, 1109, 232-237.	0.3	0
24205	Isotherm, kinetic, and thermodynamic studies on Hg(II) adsorption from aqueous solution by silica-multiwall carbon nanotubes. Environmental Science and Pollution Research, 2015, 22, 16721-16731.	5.3	515
24206	Local TEM Spectroscopic Studies on Carbon- and Boron Nitride-Based Nanomaterials. , 2015, , 139-170.		1
24207	Interfacial properties of carboxylic acid functionalized CNT/polyethylene composites: A molecular dynamics simulation study. Applied Surface Science, 2015, 351, 1043-1052.	6.1	27
24208	Molecular dynamic simulation for the evaluation of free energy distribution along the reaction coordinates at the initial stage of carbon nanotube nucleation. Chemical Physics Letters, 2015, 634, 194-197.	2.6	3
24209	Vertically aligned single-crystal zinc sulfide nanotubes with hexagonal cross-sections and optical properties. Materials Letters, 2015, 154, 112-115.	2.6	3
24210	Laser directed writing of flat lenses on buckypaper. Nanoscale, 2015, 7, 12405-12410.	5.6	11
24211	Promotional effect of the electron donating functional groups on the gas sensing properties of graphene nanoflakes. RSC Advances, 2015, 5, 54535-54543.	3.6	21
24212	Microwave plasma-induced graphene-sheet fibers from waste coffee grounds. Journal of Materials Chemistry A, 2015, 3, 14545-14549.	10.3	22
24213	Scaling Effects on Static Metrics and Switching Attributes of Graphene Nanoribbon FET for Emerging Technology. IEEE Transactions on Emerging Topics in Computing, 2015, 3, 458-469.	4.6	34
24214	Dielectric behaviors of carbon nanotube/silicone elastomer composites. Science and Engineering of Composite Materials, 2015, 22, 215-221.	1.4	5

#	ARTICLE	IF	CITATIONS
24215	The Dispersion of MWCNTS in Acetone Solution of SAN. Advanced Materials Research, 2015, 1088, 8-12.	0.3	0
24216	Solâ€“gel chemistry mediated Zn/Al-based complex dispersant for SWCNT in water without foam formation. Carbon, 2015, 94, 518-523.	10.3	18
24217	Vibration insight of a nonlocal viscoelastic coupled multi-nanorod system. European Journal of Mechanics, A/Solids, 2015, 54, 132-145.	3.7	18
24218	Structure, volumetric adsorption method and electrochemical hydrogen storage properties of vanadium oxide nanotubes VOx-NTs. Journal of Alloys and Compounds, 2015, 648, 244-252.	5.5	20
24219	Improved microstructure and mechanical properties for Sn58Bi solder alloy by addition of Ni-coated carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 642, 7-15.	5.6	57
24220	Superstructured Assembly of Nanocarbons: Fullerenes, Nanotubes, and Graphene. Chemical Reviews, 2015, 115, 7046-7117.	47.7	448
24221	Base Metal Catalyzed Graphitization of Cellulose: A Combined Raman Spectroscopy, Temperature-Dependent X-ray Diffraction and High-Resolution Transmission Electron Microscopy Study. Journal of Physical Chemistry C, 2015, 119, 10653-10661.	3.1	139
24222	Thermo-stable carbon nanotube-TiO ₂ nanocompsite as electron highways in dye-sensitized solar cell produced by bio-nano-process. Nanotechnology, 2015, 26, 285601.	2.6	11
24223	Organo functionalized graphene with Pd nanoparticles and its excellent catalytic activity for Suzuki coupling reaction. Applied Catalysis A: General, 2015, 505, 539-547.	4.3	66
24224	Optical and photoelectron-chemical properties of TiO ₂ films by using hydrothermal method. Journal of Materials Science: Materials in Electronics, 2015, 26, 6557-6562.	2.2	3
24225	DC conductivity retention of functionalised multiwalled carbon nanotube/polyaniline composites. Materials Science in Semiconductor Processing, 2015, 39, 764-770.	4.0	3
24226	Carbon Nanomaterials for Environmental Applications. Carbon Nanostructures, 2015, , 85-105.	0.1	5
24227	Predicting adsorption of aromatic compounds by carbon nanotubes based on quantitative structure property relationship principles. Journal of Molecular Structure, 2015, 1099, 510-515.	3.6	22
24228	Synergistic improvement of thermal conductivity in polymer composites filled with pitch based carbon fiber and graphene nanoplatelets. Polymer Testing, 2015, 45, 132-138.	4.8	91
24229	Are metal-free pristine carbon nanotubes electrocatalytically active?. Chemical Communications, 2015, 51, 13764-13767.	4.1	50
24230	Preparation of silicon nanomaterials by arc discharge. Materials Science in Semiconductor Processing, 2015, 40, 491-500.	4.0	10
24231	Highly sensitive and selective carbon nanotube-based gas sensor arrays functionalized with different metallic nanoparticles. Sensors and Actuators B: Chemical, 2015, 220, 1288-1296.	7.8	76
24232	An aqueous molecular tube with polyaromatic frameworks capable of binding fluorescent dyes. Chemical Science, 2015, 6, 259-263.	7.4	20

#	ARTICLE	IF	CITATIONS
24233	In situ tracking of defect healing and purification of single-wall carbon nanotubes with laser radiation by time-resolved Raman spectroscopy. RSC Advances, 2015, 5, 62149-62159.	3.6	19
24234	Theoretical investigation of rare gas adsorption on and inside B-doped carbon nanotubes by DFT, QTAIM and NBO. RSC Advances, 2015, 5, 65604-65612.	3.6	4
24235	Relationships among the structural topology, bond strength, and mechanical properties of single-walled aluminosilicate nanotubes. Nanoscale, 2015, 7, 16222-16229.	5.6	15
24236	Rapid Determination of Cadmium and Lead in Maca (<i>Lepidium meyenii</i>) by Magnetic Solid-Phase Extraction and Flame Atomic Absorption Spectrometry. Analytical Letters, 2015, 48, 2566-2580.	1.8	5
24237	Carbon nanotube mechanical resonator in potential well induced by van der Waals interaction with graphene. Applied Physics Express, 2015, 8, 085101.	2.4	3
24238	Effects of nanobuds and heat welded nanobuds chains on mechanical behavior of carbon nanotubes. Computational Materials Science, 2015, 109, 49-55.	3.0	13
24239	Wave propagation analysis of embedded (coupled) functionally graded nanotubes conveying fluid. Composite Structures, 2015, 132, 1260-1273.	5.8	45
24240	Serrated single-wall metal-organic nanotubes (SWMONTs) for benzene adsorption. CrystEngComm, 2015, 17, 5625-5628.	2.6	11
24241	Electronic and optical properties of pristine and boron-nitrogen doped graphyne nanotubes. Physical Chemistry Chemical Physics, 2015, 17, 19325-19341.	2.8	71
24242	Effect of carbonization temperature on properties of aligned electrospun polyacrylonitrile carbon nanofibers. Materials and Design, 2015, 85, 483-486.	7.0	53
24243	Facile synthesis of MnO ₂ /carbon nanotubes decorated with a nanocomposite of Pt nanoparticles as a new platform for the electrochemical detection of catechin in red wine and green tea samples. Journal of Materials Chemistry B, 2015, 3, 6285-6292.	5.8	43
24244	Spectroscopic Investigation of Interaction Between Carbon Quantum Dots and D-Penicillamine Capped Gold Nanoparticles. Journal of Fluorescence, 2015, 25, 1085-1093.	2.5	9
24245	Parametric analysis of carbon nanotube field effect transistor under non-ballistic regime considering different dielectric materials. , 2015, , .		2
24246	A study of oxidizing centers in carbon nanotubes by solid-state NMR. RSC Advances, 2015, 5, 60380-60385.	3.6	3
24247	Prediction of torsional buckling behaviour of single-walled SiC nanotubes based on molecular mechanics. Engineering Computations, 2015, 32, 1837-1866.	1.4	5
24248	Direct electrocatalytic and simultaneous determination of purine and pyrimidine DNA bases using novel mesoporous carbon fibers as electrocatalyst. Journal of Electroanalytical Chemistry, 2015, 750, 65-73.	3.8	29
24249	Mechanical characterization and validation of poly (methyl methacrylate)/multi walled carbon nanotube composite for the polycentric knee joint. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 50, 33-42.	3.1	10
24250	Investigation of the width-dependent static characteristics of graphene nanoribbon field effect transistors using non-parabolic quantum-based model. Solid-State Electronics, 2015, 111, 80-90.	1.4	28

#	ARTICLE	IF	CITATIONS
24251	Preferential Adsorption of TiO ₂ Nanostructures on Functionalized Single-Walled Carbon Nanotubes: A DFT Study. Journal of Physical Chemistry C, 2015, 119, 15085-15093.	3.1	18
24252	Structure and Properties of [8]BN-Circulenes: Inorganic Analogues of [8]Circulenes. Journal of Physical Chemistry C, 2015, 119, 15541-15546.	3.1	11
24253	Facile synthesis of ultrahigh-surface-area hollow carbon nanospheres for enhanced adsorption and energy storage. Nature Communications, 2015, 6, 7221.	12.8	554
24254	Surface Curvature Relation to Protein Adsorption for Carbon-based Nanomaterials. Scientific Reports, 2015, 5, 10886.	3.3	97
24255	The enhanced photoactivity of hydrogenated TiO ₂ @reduced graphene oxide with p-n junctions. RSC Advances, 2015, 5, 26328-26334.	3.6	16
24256	A review on nanomechanical resonators and their applications in sensors and molecular transportation. Applied Physics Reviews, 2015, 2, .	11.3	106
24257	Loaded sectioned space elevator. Cosmic Research, 2015, 53, 230-236.	0.6	4
24258	Theoretical investigations of sp ² hybridized capped graphyne nanotubes. Chemical Engineering Science, 2015, 134, 217-221.	3.8	16
24259	Extraordinary mechanical properties of monatomic C ₃ N ₂ chain. Molecular Simulation, 2015, 41, 256-261.	2.0	0
24260	Investigation of the Effect of Reaction Time, Weight Ratio, and Type of Catalyst on the Yield of Multi-Wall Carbon Nanotubes via Chemical Vapor Deposition of Acetylene. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 853-859.	2.1	1
24261	Synthesis of ZnO Nanowire Array Film on Mg-Doped Gallium Nitride Substrate by Simple Hydrothermal Method. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1045-1048.	0.6	0
24262	Symmetry groups associated with tilings on a flat torus. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, 99-110.	0.1	3
24263	Template free synthesis of highly ordered mullite nanowhiskers with exceptional photoluminescence. Ceramics International, 2015, 41, 9560-9566.	4.8	13
24264	Natural carbon-based dots from humic substances. Scientific Reports, 2015, 5, 10037.	3.3	61
24265	Interfacing proteins with graphitic nanomaterials: from spontaneous attraction to tailored assemblies. Chemical Society Reviews, 2015, 44, 6916-6953.	38.1	91
24266	Bio-inspired synthesis of carbon hollow microspheres from Aspergillus flavus conidia for lithium-ion batteries. RSC Advances, 2015, 5, 59655-59658.	3.6	9
24267	Effect of Carbon Nanotubes Purification on Electroanalytical Response of Near-Percolation Amperometric Nanocomposite Sensors. Journal of the Electrochemical Society, 2015, 162, B217-B224.	2.9	12
24268	Uncovering Cortical Modularity by Nanotechnology. , 2015, , 339-366.		0

#	ARTICLE	IF	CITATIONS
24269	Nonlocal axial load-bearing capacity of two neighboring perpendicular single-walled carbon nanotubes accounting for shear deformation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 74, 270-286.	2.7	2
24270	The role of basic residues in the adsorption of blood proteins onto the graphene surface. <i>Scientific Reports</i> , 2015, 5, 10873.	3.3	88
24271	Preparation and characterization of chitosan/silver nanoparticle/copper nanoparticle/carbon nanotube multifunctional nano-composite for water treatment: heavy metals removal; kinetics, isotherms and competitive studies. <i>RSC Advances</i> , 2015, 5, 55774-55783.	3.6	38
24272	Modulus prediction of buckypaper based on multi-fidelity analysis involving latent variables. <i>IIE Transactions</i> , 2015, 47, 141-152.	2.1	16
24273	Adjustable wideband bandstop filter with inductive coupling for ultrawideband applications. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 1901-1905.	1.4	5
24274	Performance of passively Q-switched ring erbium-doped fiber laser using a multiwalled carbon nanotubes polyethylene oxide (PEO) polymer composite-based saturable absorber. <i>Microwave and Optical Technology Letters</i> , 2015, 57, 1897-1901.	1.4	4
24275	Carbon-Based Hierarchical Micro- and Nanostructures: From Synthesis to Applications. Springer Tracts in Mechanical Engineering, 2015, , 83-121.	0.3	0
24276	Recent Advances on the Modular Organization of the Cortex. , 2015, , .		3
24277	Modified carbon nanotubes as a sorbent for solid-phase extraction of gold, and its determination by graphite furnace atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2015, 182, 2123-2129.	5.0	21
24278	45S5 Bioglass®-MWCNT composite: processing and bioactivity. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 199.	3.6	26
24279	Bulk production of bamboo-shaped multi-walled carbon nanotubes via catalytic decomposition of methane over tri-metallic Ni-Co-Fe catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 116, 385-396.	1.7	20
24280	Atomistic-continuum coupled model for nonlinear analysis of single layer graphene sheets. <i>International Journal of Non-Linear Mechanics</i> , 2015, 76, 112-119.	2.6	13
24281	Multiscale modeling of carbon nanotube epoxy composites. <i>Polymer</i> , 2015, 70, 149-160.	3.8	138
24282	Electrocatalytic Oxidation of Venlafaxine at a Multiwall Carbon Nanotubes-Ionic Liquid Gel Modified Glassy Carbon Electrode and Its Electrochemical Determination. <i>Croatica Chemica Acta</i> , 2015, 88, 81-87.	0.4	15
24283	Low-Temperature Preparation of a Carbon Nanotube-ZnO Hybrid on Glass Substrate for Field Emission Applications. <i>Nano</i> , 2015, 10, 1550040.	1.0	10
24284	Chemical vapor infiltration tailored hierarchical porous CNTs/C composite spheres fabricated by freeze casting and their adsorption properties. <i>RSC Advances</i> , 2015, 5, 16870-16877.	3.6	23
24285	Potentiometric multi-walled carbon nanotube Zn-sensor based on a naphthalocyanine neutral carrier: experimental and theoretical studies. <i>RSC Advances</i> , 2015, 5, 58416-58427.	3.6	3
24286	Q-switched Brillouin fibre laser with multi-wall carbon nanotube saturable absorber. <i>IET Optoelectronics</i> , 2015, 9, 96-100.	3.3	4

#	ARTICLE	IF	CITATIONS
24287	Synthesis and Luminescence Properties of Rod-Shaped La ₂ O ₃ :Eu ³⁺ Nanocrystalline Using Carbon Nanotubes as Templates. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 988-992.	0.6	1
24288	Electrochemical monitoring of the interaction between mitomycin C and DNA at chitosan-carbon nanotube composite modified electrodes. Turkish Journal of Chemistry, 2015, 39, 1-12.	1.2	16
24289	Compact Analytical Model for One Dimensional Carbon Nanotube Field Effect Transistor (CNTFET). ECS Solid State Letters, 2015, 4, M12-M14.	1.4	7
24290	Nano-Saturn: Energetics of the Inclusion Process of C ₆₀ into Cyclohexabiphenylene. Journal of Physical Chemistry C, 2015, 119, 8931-8936.	3.1	14
24291	Adsorption of F127 onto Single-Walled Carbon Nanotubes Characterized Using Small-Angle Neutron Scattering. Langmuir, 2015, 31, 3262-3268.	3.5	15
24292	Formation kinetics and photoelectrochemical properties of crystalline C ₇₀ one-dimensional microstructures. RSC Advances, 2015, 5, 38202-38208.	3.6	21
24293	Interface-mediated fabrication of bowl-like and deflated balloon-like hollow carbon nanospheres. Journal of Colloid and Interface Science, 2015, 452, 141-147.	9.4	16
24294	Determination of mercury using a glassy carbon electrode modified with nano TiO ₂ and multi-walled carbon nanotubes composites dispersed in a novel cationic surfactant. Journal of Electroanalytical Chemistry, 2015, 751, 23-29.	3.8	41
24295	Thermal annealing of carbon nanotubes reveals a toxicological impact of the structural defects. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	19
24296	Recent Advances in Luminescent Nanomaterials for Solid State Lighting Applications. Defect and Diffusion Forum, 2015, 361, 15-68.	0.4	9
24297	Ultra-pure single wall carbon nanotube fibres continuously spun without promoter. Scientific Reports, 2014, 4, 3903.	3.3	66
24298	Supramolecular interactions of carbon nanotubes with biosourced polyurethanes from 2-(2,5-dimethyl-1H-pyrrol-1-yl)-1,3-propanediol. Polymer, 2015, 63, 62-70.	3.8	17
24299	High enantioselectivity in the asymmetric hydrogenation of ketones by a supported Pt nanocatalyst on a mesoporous modified MCM-41 support. Chinese Journal of Catalysis, 2015, 36, 634-638.	14.0	1
24300	Carbon nanotubes embedding organic ionic plastic crystals electrolytes for high performance solid-state dye-sensitized solar cells. Carbon, 2015, 92, 262-270.	10.3	19
24301	Modification of glassy carbon electrode with a bilayer of multiwalled carbon nanotube/tiron-doped polypyrrole: Application to sensitive voltammetric determination of acyclovir. Materials Science and Engineering C, 2015, 53, 134-141.	7.3	51
24302	A nonlocal finite element method for torsional statics and dynamics of circular nanostructures. International Journal of Mechanical Sciences, 2015, 94-95, 232-243.	6.7	31
24303	Preparation and growth mechanism of β -SiC nanowires by using a simplified thermal evaporation method. Journal of Crystal Growth, 2015, 419, 20-24.	1.5	23
24304	The effect of fibronectin on structural and biological properties of single walled carbon nanotube. Applied Surface Science, 2015, 339, 85-93.	6.1	7

#	ARTICLE	IF	CITATIONS
24305	Controlling the number of walls in multi walled carbon nanotubes/alumina hybrid compound via ball milling of precipitate catalyst. <i>Applied Surface Science</i> , 2015, 340, 78-88.	6.1	8
24306	Preparation, structure and properties of carbon nanotube reinforced polymer nanocomposites. <i>Synthetic Metals</i> , 2015, 205, 98-105.	3.9	7
24307	Microwave induced reactive base wash for the removal of oxidation debris from carboxylated carbon nanotubes. <i>Carbon</i> , 2015, 88, 233-238.	10.3	8
24308	Exploring the diameter and surface dependent conformational changes in carbon nanotube-protein corona and the related cytotoxicity. <i>Journal of Hazardous Materials</i> , 2015, 292, 98-107.	12.4	128
24309	Commercial single-walled carbon nanotubes effects in fibrinolysis of human umbilical vein endothelial cells. <i>Toxicology in Vitro</i> , 2015, 29, 1201-1214.	2.4	17
24310	Size-dependent free flexural vibrational behavior of functionally graded nanobeams using semi-analytical differential transform method. <i>Composites Part B: Engineering</i> , 2015, 79, 156-169.	12.0	92
24311	Depression in glass transition temperature of multiwalled carbon nanotubes reinforced polycarbonate composites: effect of functionalization. <i>RSC Advances</i> , 2015, 5, 43462-43472.	3.6	42
24312	Shape versus porosity: A systematic survey of cobalt oxide nanosheet calcination from 200 to 900°C. <i>Materials Letters</i> , 2015, 141, 165-167.	2.6	4
24313	Tailored interface and enhanced elastic modulus in epoxy-based composites in presence of branched poly(ethyleneimine) grafted multiwall carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7907-7913.	2.8	14
24314	Graphdiyne: A two-dimensional thermoelectric material with high figure of merit. <i>Carbon</i> , 2015, 90, 255-259.	10.3	124
24315	Molecule-induced quantum confinement in single-walled carbon nanotube. <i>Applied Physics Express</i> , 2015, 8, 045101.	2.4	2
24316	Morphological control of N-doped carbon nanotubes and their electrochemical properties. <i>Materials Letters</i> , 2015, 154, 64-67.	2.6	11
24317	Structural, energetic and electrical properties of encapsulation of penicillamine drug into the CNTs based on vdW-DF perspective. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 72, 120-127.	2.7	7
24318	Vibration analysis of single-walled carbon nanocones using multiscale atomistic finite element method incorporating Tersoff-Brenner potential. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 271-286.	2.3	6
24319	Multiwalled Carbon Nanotube Dispersion Methods Affect Their Aggregation, Deposition, and Biomarker Response. <i>Environmental Science & Technology</i> , 2015, 49, 6645-6653.	10.0	36
24320	Effect of electric field on the mechanical properties of bilayer boron nitride with AB stacking order: An ab initio study. <i>Superlattices and Microstructures</i> , 2015, 83, 498-506.	3.1	10
24321	Parametric Investigation of the Kinetics of Growth of Carbon-Nanotube Arrays on Iron Nanoparticles in the Process of Chemical Vapor Deposition of Hydrocarbons. <i>Journal of Engineering Physics and Thermophysics</i> , 2015, 88, 364-373.	0.6	5
24322	A voltammetric sensor based on the glassy carbon electrode modified with multi-walled carbon nanotube/poly(pyrocatechol violet)/bismuth film for determination of cadmium and lead as environmental pollutants. <i>Sensors and Actuators B: Chemical</i> , 2015, 216, 384-393.	7.8	117

#	ARTICLE	IF	CITATIONS
24323	High-resolution TEM analysis of flatten carbon nanotube packing in nanocomposites. Synthetic Metals, 2015, 204, 103-109.	3.9	5
24324	The influence of alkali metals (Li, Na and K) interaction with Be12O12 and Mg12O12 nanoclusters on their structural, electronic and nonlinear optical properties: A theoretical study. Synthetic Metals, 2015, 204, 17-24.	3.9	58
24325	Precise control over physical characteristics of Carbon Nanotubes by differential variation of Argon flow rate during Chemical Vapor Deposition processing: A systematic study on growth kinetics. Materials Science in Semiconductor Processing, 2015, 35, 207-215.	4.0	16
24326	Study of MWCNTs adsorption performances in gas processes. Journal of CO2 Utilization, 2015, 10, 30-39.	6.8	34
24327	Novel highly scalable carbon nanotube-strengthened ceramics by high shear compaction and spark plasma sintering. Journal of the European Ceramic Society, 2015, 35, 2599-2606.	5.7	16
24328	Transformation of carbon black into carbon nano-beads and nanotubes: the effect of catalysts. New Carbon Materials, 2015, 30, 19-29.	6.1	8
24329	Synthesis, Characterizations and Applications of Cadmium Chalcogenide Nanowires: A Review. Journal of Materials Science and Technology, 2015, 31, 556-572.	10.7	17
24330	Carbon nanotubes and carbon nanofibers fabricated on tubular porous Al2O3 substrates. Carbon, 2015, 90, 25-33.	10.3	34
24331	Density functional study of 1±-graphyne derivatives: Energetic stability, atomic and electronic structure. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 70, 190-197.	2.7	13
24332	Influence of combined loading on the structural stability of carbon nanotubes. Materials Chemistry and Physics, 2015, 158, 96-106.	4.0	5
24333	A novel ultrasensitive phosphate amperometric nanobiosensor based on the integration of pyruvate oxidase with highly ordered gold nanowires array. Biosensors and Bioelectronics, 2015, 71, 278-285.	10.1	19
24334	Pd-doped single-walled carbon nanotube as a nanobiosensor for histidine amino acid, a DFT study. RSC Advances, 2015, 5, 31172-31178.	3.6	40
24335	Enzymatic amplification-free nucleic acid hybridisation sensing on nanostructured thick-film electrodes by using covalently attached methylene blue. Talanta, 2015, 142, 11-19.	5.5	9
24336	Molecular dynamics simulations on water permeation through hourglass-shaped nanopores with varying pore geometry. Chemical Physics, 2015, 453-454, 13-19.	1.9	17
24337	Hybrid TiO2@multiwall carbon nanotube (MWCNTs) photoanodes for efficient dye sensitized solar cells (DSSCs). Solar Energy Materials and Solar Cells, 2015, 140, 174-179.	6.2	81
24338	Ionic liquids gels with in situ modified multiwall carbon nanotubes towards high-performance lubricants. Tribology International, 2015, 88, 179-188.	5.9	37
24339	Effect of interwall interaction on the electronic structure of double-walled carbon nanotubes. Nanotechnology, 2015, 26, 165201.	2.6	14
24340	Stable and high current density electron emission using coniferous carbon nano-structured emitter. Diamond and Related Materials, 2015, 55, 41-44.	3.9	10

#	ARTICLE	IF	CITATIONS
24341	Nano-electrocatalyst materials for low temperature fuel cells: A review. Chinese Journal of Catalysis, 2015, 36, 458-472.	14.0	58
24342	Nonlocal thermo-mechanical vibration analysis of functionally graded nanobeams in thermal environment. Acta Astronautica, 2015, 113, 29-50.	3.2	117
24343	Influence of packing on the vibrations of homogeneous bundles of C60 peapods. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 71, 31-38.	2.7	7
24344	High performance carbon nanotube based composite film from layer-by-layer deposition. Carbon, 2015, 90, 215-221.	10.3	25
24345	Catalyst free low temperature synthesis and antioxidant activity of multiwalled carbon nanotubes accessed from ghee, clarified butter of cow's milk. Materials Letters, 2015, 152, 36-39.	2.6	5
24346	In situ observation of carbon nanotube yarn during voltage application. Micron, 2015, 74, 30-34.	2.2	4
24347	A theoretical study on the adsorption of neutral and zwitterionic glycine on an MgO nanotube. Monatshefte für Chemie, 2015, 146, 1613-1619.	1.8	1
24348	Adsorption of carbon monoxide on the pristine, B- and Al-doped C3N nanosheets. Journal of Molecular Modeling, 2015, 21, 116.	1.8	74
24349	A Novel Pd-decorated Carbon Nanotubes-promoted Pd-ZnO Catalyst for CO2 Hydrogenation to Methanol. Catalysis Letters, 2015, 145, 1138-1147.	2.6	34
24350	Recent progresses on hybrid micro/nano filler systems for electrically conductive adhesives (ECAs) applications. Journal of Materials Science: Materials in Electronics, 2015, 26, 4730-4745.	2.2	52
24351	Collagen gel formation in the presence of a carbon nanobrush. Journal of Materials Science: Materials in Medicine, 2015, 26, 5356.	3.6	7
24353	Phonon Dispersions of Graphene from Unzipping Carbon Nanotubes. Journal of Low Temperature Physics, 2015, 179, 320-342.	1.4	2
24354	The non-isothermal cyclization kinetics of amino-functionalized carbon nanotubes/polyacrylonitrile composites by in situ polymerization. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1081-1089.	3.6	10
24355	Adsorption and dissociation of hydrogen peroxide on the defected carbon nanotubes. Structural Chemistry, 2015, 26, 485-490.	2.0	18
24356	Comparison of adsorption behavior of PCDD/Fs on carbon nanotubes and activated carbons in a bench-scale dioxin generating system. Environmental Science and Pollution Research, 2015, 22, 10463-10470.	5.3	24
24357	Surface Plasmon Resonance-Based Fiber Optic Methane Gas Sensor Utilizing Graphene-Carbon Nanotubes-Poly(Methyl Methacrylate) Hybrid Nanocomposite. Plasmonics, 2015, 10, 1147-1157.	3.4	134
24358	Cu(II) complex /multiwall carbon nanotube modified electrode for the determination of ascorbic acid. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 412-415.	1.0	4
24359	The effects of carbon nanotubes with acid-groups on the structural evolution and cyclization kinetics of poly(acrylonitrile-co-itaconic acid) composite microspheres. Fibers and Polymers, 2015, 16, 263-270.	2.1	6

#	ARTICLE	IF	CITATIONS
24360	Effects of carbon nanotubes on curing and properties of boron-containing bisphenol-S formaldehyde resin/o-cresol epoxy resin composites. <i>Fibers and Polymers</i> , 2015, 16, 664-674.	2.1	5
24361	Adsorption studies of Pb(II) and Cu(II) ions on mesoporous carbon nitride functionalized with melamine-based dendrimer amine. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2649-2664.	3.5	71
24362	Removal of ethyl acetylene toxic gas from environmental systems using AlN nanotube. <i>Journal of Nanostructure in Chemistry</i> , 2015, 5, 213-217.	9.1	41
24363	Flexible resistive tensile load cells based on MWCNT/rubber composites. <i>Pigment and Resin Technology</i> , 2015, 44, 187-191.	0.9	5
24364	Substituent effects in π -stacking of histidine on functionalized-SWNT and graphene. <i>Computational and Theoretical Chemistry</i> , 2015, 1062, 44-49.	2.5	8
24365	Electromagnetic wave absorbing characteristics of graphene-oxide dispersed carbon nanotubes/Epoxy composites. , 2015, , .		2
24366	Trial for simple gas sensor composed of as-grown carbon nanotubes. <i>Chemical Physics Letters</i> , 2015, 628, 81-84.	2.6	10
24367	Interactions of carbon nanotubes with the nitromethaneâ€“water mixture governing selective adsorption of energetic molecules from aqueous solution. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6995-7001.	2.8	11
24368	Effect of hot electrons on the electrical conductivity of carbon nanotubes under the influence of applied dc field. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	10
24369	A simple chemical synthesis of amorphous carbon nanotubesâ€“MnO ₂ flake hybrids for cold cathode application. <i>Applied Surface Science</i> , 2015, 347, 824-831.	6.1	21
24370	Covalent decoration onto the outer walls of double walled carbon nanotubes with perylenediimides. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4960-4969.	5.5	16
24371	Optimization of Sonication Parameters for Homogeneous Surfactant-Assisted Dispersion of Multiwalled Carbon Nanotubes in Aqueous Solutions. <i>Journal of Physical Chemistry C</i> , 2015, 119, 7506-7516.	3.1	77
24372	Development of the Affinity Materials for Phosphorylated Proteins/Peptides Enrichment in Phosphoproteomics Analysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8377-8392.	8.0	143
24373	Three-dimensional sp ² -hybridized carbons consisting of orthogonal nanoribbons of graphene and net C. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 13028-13033.	2.8	22
24374	Effective thermal conductivity of carbon nanotube-based nanofluid. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 55, 76-81.	5.3	52
24375	Highly transparent and flexible polyimideâ€“AgNW hybrid electrodes with excellent thermal stability for electrochromic applications and defogging devices. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3629-3635.	5.5	75
24376	Predictions of effective diffusivity of mixed matrix membranes with tubular fillers. <i>Journal of Membrane Science</i> , 2015, 485, 123-131.	8.2	17
24377	Catalysts for Câ€“H functionalization: Platinum, gold and even nanodiamonds. <i>Journal of Organometallic Chemistry</i> , 2015, 793, 17-33.	1.8	20

#	ARTICLE	IF	CITATIONS
24378	Atomic Clusters: Opportunities in the Face of Challenges. Journal of Physical Chemistry Letters, 2015, 6, 1549-1552.	4.6	17
24379	Formation and Properties of 1-D Alumina Nanostructures Prepared via a Template-free Thermal Reaction. Procedia Engineering, 2015, 102, 602-609.	1.2	8
24380	Fabrication and Structural Characterization of Multi-walled Carbon Nanotube/Fe ₃ O ₄ Nanocomposite. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1260-1266.	3.7	16
24381	Mussel inspired preparation of highly dispersible and biocompatible carbon nanotubes. RSC Advances, 2015, 5, 25329-25336.	3.6	34
24382	The effect of different surfactants/plastisizers on the electrical behavior of CNT nano-modified cement mortars. , 2015, , .		3
24383	Inorganic nano-adsorbents for the removal of heavy metals and arsenic: a review. RSC Advances, 2015, 5, 29885-29907.	3.6	341
24384	Optimized syringe-assisted dispersive micro solid phase extraction coupled with microsampling flame atomic absorption spectrometry for the simple and fast determination of potentially toxic metals in fruit juice and bio-fluid samples. RSC Advances, 2015, 5, 31930-31941.	3.6	38
24385	Recent Advancement of Nanostructured Carbon for Energy Applications. Chemical Reviews, 2015, 115, 5159-5223.	47.7	703
24386	Conductive polymer yarns for electronic textiles. , 2015, , 21-53.		8
24387	Thermal buckling analysis of bridged single walled carbon nanotubes using molecular structural mechanics. Journal of Applied Physics, 2015, 117, 114301.	2.5	4
24388	Food Nanoscience and Nanotechnology. Food Engineering Series, 2015, , .	0.7	14
24389	The surface chemical properties of multi-walled carbon nanotubes modified by thermal fluorination for electric double-layer capacitor. Applied Surface Science, 2015, 347, 250-257.	6.1	42
24390	Examining Carbon Nanofibers: Properties, growth, and applications. IEEE Nanotechnology Magazine, 2015, 9, 33-38.	1.3	18
24391	Piezoresistive Strain Sensors Based on Carbon Nanotube Networks: Contemporary approaches related to electrical conductivity. IEEE Nanotechnology Magazine, 2015, 9, 11-23.	1.3	14
24392	Synthesis of Carbon Nanoparticles via Co-Pyrolysis of Waste Slop Oil and Ferrocene. Advanced Materials Research, 2015, 1103, 97-103.	0.3	2
24393	Nano-Saturn: Theoretical design of new C ₆₀ inclusion compounds. Japanese Journal of Applied Physics, 2015, 54, 06FF01.	1.5	6
24394	Hierarchical Composites Containing Carbon Nanotubes. , 2015, , 319-356.		0
24395	Origins of Height Distribution within Carbon Nanotube Arrays. Journal of Nano Research, 2015, 32, 17-24.	0.8	3

#	ARTICLE	IF	CITATIONS
24396	Electrospun Cellulose Composite Nanofibers. , 2015, , 191-227.		8
24397	Recent developments in carbon nanomaterial sensors. Chemical Society Reviews, 2015, 44, 4433-4453.	38.1	444
24398	Critical Review on the Toxicity of Some Widely Used Engineered Nanoparticles. Industrial & Engineering Chemistry Research, 2015, 54, 6209-6233.	3.7	222
24399	Self-rolled nanotubes with controlled hollow interiors by patterned grafts. Soft Matter, 2015, 11, 3714-3723.	2.7	6
24400	Carbon nanomaterials for photovoltaic process. Nano Energy, 2015, 15, 490-522.	16.0	47
24401	<i>A Conversation with</i> Prof. Zhong Lin Wang, Energy Harvester. ACS Nano, 2015, 9, 2221-2226.	14.6	8
24402	Electrodeposition of Various Au Nanostructures on Aligned Carbon Nanotubes as Highly Sensitive Nanoelectrode Ensembles. Journal of Materials Engineering and Performance, 2015, 24, 2005-2015.	2.5	3
24403	Thermal buckling and free vibration analysis of size dependent Timoshenko FG nanobeams in thermal environments. Composite Structures, 2015, 128, 363-380.	5.8	157
24404	Voltammetric techniques at chemically modified electrodes. Journal of Analytical Chemistry, 2015, 70, 399-418.	0.9	45
24405	Effects of the surface modification of carbon fiber by growing different types of carbon nanomaterials on the mechanical and thermal properties of polypropylene. RSC Advances, 2015, 5, 28822-28831.	3.6	37
24406	Preparation of Nitrogen-Doped Carbon Nanotubes with Different Morphologies from Melamine-Formaldehyde Resin. ACS Applied Materials & Interfaces, 2015, 7, 7413-7420.	8.0	89
24407	Dispersing Carbon Nanotubes by Chiral Network Surfactants. ACS Applied Materials & Interfaces, 2015, 7, 6724-6732.	8.0	19
24408	Shaped Carbons As Supports for the Catalytic Conversion of Syngas to Clean Fuels. ACS Catalysis, 2015, 5, 2640-2658.	11.2	142
24409	Direct Hydrothermal Synthesis of Carbonaceous Silver Nanocables for Electrocatalytic Applications. Small, 2015, 11, 3557-3567.	10.0	18
24410	Fast ions channeling in nanotubes of weak chaotic curvature. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 320-323.	1.4	4
24411	Energetics of atomic scale structure changes in graphene. Chemical Society Reviews, 2015, 44, 3143-3176.	38.1	141
24412	Carbon nanofibers decorated with oxoâ€“rhenium complexes: Highly efficient heterogeneous catalyst for oxidation of amines with hydrogen peroxide. Journal of Molecular Catalysis A, 2015, 402, 46-52.	4.8	13
24413	Effectiveness of carbon nanotubeâ€“cobalt ferrite nanocomposites for the adsorption of rhodamine B from aqueous solutions. RSC Advances, 2015, 5, 22724-22739.	3.6	92

#	ARTICLE	IF	CITATIONS
24414	Carbon nanomaterial-based electrochemical biosensors: an overview. <i>Nanoscale</i> , 2015, 7, 6420-6431.	5.6	329
24415	Nanobiosensors and Nanobioanalyses. , 2015, , .		10
24416	Removal of heavy metals from water through armchair carbon and boron nitride nanotubes: a computer simulation study. <i>RSC Advances</i> , 2015, 5, 25097-25104.	3.6	27
24418	Theoretical Study of the Raman Spectra of C70Fullerene Carbon Peapods. <i>Journal of Physical Chemistry C</i> , 2015, 119, 5679-5686.	3.1	7
24419	Gas Separation Membrane Materials and Structures. , 2015, , 37-192.		19
24420	Improving the fracture toughness and the strength of epoxy using nanomaterials – a review of the current status. <i>Nanoscale</i> , 2015, 7, 10294-10329.	5.6	613
24421	Modified multiwalled carbon nanotube/epoxy amperometric nanocomposite sensors with CuO nanoparticles for electrocatalytic detection of free chlorine. <i>Microchemical Journal</i> , 2015, 122, 189-196.	4.5	53
24422	Nanomaterials. , 2015, , 629-677.		0
24423	One-step synthesis of Zn doped titania nanotubes and investigation of their visible photocatalytic activity. <i>Materials Chemistry and Physics</i> , 2015, 160, 279-288.	4.0	35
24424	Volatile Organic Compounds. <i>Nanostructure Science and Technology</i> , 2015, , 1023-1046.	0.1	1
24425	Few-layer MoS ₂ saturable absorbers for short-pulse laser technology: current status and future perspectives [Invited]. <i>Photonics Research</i> , 2015, 3, A30.	7.0	185
24426	Gas Separation Membranes. , 2015, , .		173
24427	Hydroxyl functionalization of single-walled carbon nanotubes causes inhibition to the bacterial denitrification process. <i>Chemical Engineering Journal</i> , 2015, 279, 47-55.	12.7	72
24428	Design and analysis of sandwiched fullerene-graphene composites using molecular dynamics simulations. <i>Composites Part B: Engineering</i> , 2015, 79, 513-520.	12.0	27
24429	In situ chemical oxidative graft polymerization of aniline from phenylamine end-capped poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.6	22
24430	One-pot preparation of a MnO ₂ –graphene –carbon nanotube hybrid material for the removal of methyl orange from aqueous solutions. <i>New Journal of Chemistry</i> , 2015, 39, 5484-5492.	2.8	27
24431	Effect of carbon nanotubes on the toughness, bonding strength and thermal shock resistance of SiC coating for C/Ca –ZrCa –SiC composites. <i>Journal of Alloys and Compounds</i> , 2015, 645, 206-212.	5.5	56
24432	DNA nucleobase interaction with graphene like BC ₃ nano-sheet based on density functional theory calculations. <i>Thin Solid Films</i> , 2015, 589, 52-56.	1.8	88

#	ARTICLE	IF	CITATIONS
24433	Biomass-Derived Porous Carbon Materials: Synthesis and Catalytic Applications. ChemCatChem, 2015, 7, 1608-1629.	3.7	227
24434	The correlation of the binding mechanism of the polypyrrole-carbon capacitive interphase with electrochemical stability of the composite electrode. Physical Chemistry Chemical Physics, 2015, 17, 13323-13332.	2.8	27
24435	High Strain Rate Behavior of Nanocomposites and Nanocoatings. SpringerBriefs in Materials, 2015, , .	0.3	1
24436	Interfacing graphene and related 2D materials with the 3D world. Journal of Physics Condensed Matter, 2015, 27, 133203.	1.8	24
24437	Nanosensors in Systems of Ecological Security. NATO Science for Peace and Security Series C: Environmental Security, 2015, , 231-242.	0.2	2
24438	Nanobiosensors and Nanobioanalyses: A Review. , 2015, , 3-20.		4
24441	Polystyrene Carbon Nanotube Nanocomposites. , 2015, , 213-244.		2
24442	Atomic-Scale Derivatives of Solid-State Materials. Chemistry of Materials, 2015, 27, 3549-3559.	6.7	15
24443	Study on a novel dosimeter based on polyethylene-carbon nanotube composite. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 791, 1-5.	1.6	34
24444	Torsional buckling analysis of chiral multi-walled carbon nanotubes based on an accurate molecular mechanics model. Acta Mechanica, 2015, 226, 2955-2972.	2.1	7
24445	CO ₂ adsorption on single-walled boron nitride nanotubes containing vacancy defects. RSC Advances, 2015, 5, 27412-27420.	3.6	28
24446	Linear Carbon Chains under High-Pressure Conditions. Journal of Physical Chemistry C, 2015, 119, 10669-10676.	3.1	46
24447	Gold loaded titanium dioxide-carbon nanotube composites as active photocatalysts for cyclohexane oxidation at ambient conditions. RSC Advances, 2015, 5, 46405-46414.	3.6	21
24448	Structural modification for carbon nanotube film and the composite film by processing optimization. Applied Surface Science, 2015, 349, 156-162.	6.1	6
24449	A novel processing route for carbon nanotube reinforced glass-ceramic matrix composites. , 2015, , .		1
24450	Modification of surface functionality of multi-walled carbon nanotubes on fracture toughness of basalt fiber-reinforced composites. Composites Part B: Engineering, 2015, 79, 47-52.	12.0	48
24451	Molecular mechanics methods for individual carbon nanotubes and nanotube assemblies. Proceedings of SPIE, 2015, , .	0.8	3
24452	CNT aggregation mechanisms probed by electrical and dielectric measurements. Journal of Materials Chemistry C, 2015, 3, 5769-5774.	5.5	27

#	ARTICLE	IF	CITATIONS
24453	Thermal Degradation of Synthetic Rubber Nanocomposites. Engineering Materials, 2015, , 157-191.	0.6	2
24454	Influence of Au Photodeposition and Doping in CdS Nanorods: Optical and Photocatalytic Study. Particulate Science and Technology, 2015, 33, 53-58.	2.1	8
24455	Full symmetry implementation in condensed matter and molecular physicsâ€”Modified group projector technique. Physics Reports, 2015, 581, 1-43.	25.6	21
24456	Impact of Sublethal Levels of Single-Wall Carbon Nanotubes on Pyoverdine Production in <i>Pseudomonas aeruginosa</i> and Its Environmental Implications. Environmental Science and Technology Letters, 2015, 2, 105-111.	8.7	19
24457	Stable electron field emission from carbon nanotubes emitter transferred on graphene films. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 72, 84-88.	2.7	9
24458	Highly Sensitive Piezo-Resistive Graphite Nanoplateletâ€”Carbon Nanotube Hybrids/Polydimethylsilicone Composites with Improved Conductive Network Construction. ACS Applied Materials & Interfaces, 2015, 7, 9652-9659.	8.0	141
24459	Metal-Free Catalysts for Oxygen Reduction Reaction. Chemical Reviews, 2015, 115, 4823-4892.	47.7	2,083
24460	Flexible and foldable supercapacitor electrodes from the porous 3D network of cellulose nanofibers, carbon nanotubes and polyaniline. Materials Letters, 2015, 155, 78-81.	2.6	72
24461	High-Yield Synthesis of Helical Carbon Nanofibers Using Iron Oxide Fine Powder as a Catalyst. Crystals, 2015, 5, 47-60.	2.2	15
24462	Nanomaterial-based biosensors using dual transducing elements for solution phase detection. Analyst, The, 2015, 140, 2916-2943.	3.5	34
24463	Commercialization of graphene-based technologies: a critical insight. Chemical Communications, 2015, 51, 7090-7095.	4.1	74
24464	Load transfer strengthening in carbon nanotubes reinforced metal matrix composites via in-situ tensile tests. Composites Science and Technology, 2015, 113, 1-8.	7.8	236
24465	X-ray generation using carbon nanotubes. Nano Convergence, 2015, 2, .	12.1	126
24466	Electron Microscopy of Solid Catalystsâ€”Transforming from a Challenge to a Toolbox. Chemical Reviews, 2015, 115, 2818-2882.	47.7	200
24467	Application of the differential transformation method for nonlocal vibration analysis of functionally graded nanobeams. Journal of Mechanical Science and Technology, 2015, 29, 1207-1215.	1.5	87
24468	Carbon nanotubes: Properties, biomedical applications, advantages and risks in patients and occupationally-exposed workers. International Journal of Immunopathology and Pharmacology, 2015, 28, 4-13.	2.1	59
24469	On the rate dependence of mechanical properties of aligned carbon nanotube arrays. Mechanics of Time-Dependent Materials, 2015, 19, 229-242.	4.4	5
24470	Thermo-mechanical vibration analysis of nonlocal temperature-dependent FG nanobeams with various boundary conditions. Composites Part B: Engineering, 2015, 78, 272-290.	12.0	133

#	ARTICLE	IF	CITATIONS
24471	A label-free electrochemical DNA sensor based on ZrO ₂ /poly(thionine)/CNT modified electrode and its application for detecting CaMV35S transgene gene sequence. <i>Analytical Methods</i> , 2015, 7, 3164-3168.	2.7	10
24472	Flexible transparent electrodes for organic light-emitting diodes. <i>Journal of Information Display</i> , 2015, 16, 71-84.	4.0	43
24473	Carbon-based Sorbents with Three-dimensional Architectures for Water Remediation. <i>Small</i> , 2015, 11, 3319-3336.	10.0	166
24474	Enhancement of the tensile strength in poly(p-phenylene sulfide) and multi-walled carbon nanotube nanocomposites by hot-stretching. <i>Journal of Materials Science</i> , 2015, 50, 3622-3630.	3.7	11
24475	Mechanical and electrical properties of chemically modified MWCNTs/3Y-TZP composites. <i>Ceramics International</i> , 2015, 41, 9157-9162.	4.8	9
24476	Recent development in 2D materials beyond graphene. <i>Progress in Materials Science</i> , 2015, 73, 44-126.	32.8	1,152
24477	Theoretical Study of the Formation of Inclusion Complex between Cisplatin and Single-Wall Carbon Nanotube. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8394-8401.	3.1	29
24478	Tailoring crystallinity and configuration of silica nanotubes by electron irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 350, 1-5.	1.4	0
24479	Preparation and Tribological Properties of Polyimide/Carboxyl-Functionalized Multi-walled Carbon Nanotube Nanocomposite Films Under Seawater Lubrication. <i>Tribology Letters</i> , 2015, 58, 1.	2.6	100
24480	Synergy in hybrid polymer/nanocarbon composites. A review. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 73, 204-231.	7.6	257
24481	Magnetic multiwall carbon nanotubes modified with dual hydroxy functional ionic liquid for the solid-phase extraction of protein. <i>Analyst</i> , 2015, 140, 3474-3483.	3.5	31
24482	Linear carbon chains encapsulated in multiwall carbon nanotubes: Resonance Raman spectroscopy and transmission electron microscopy studies. <i>Carbon</i> , 2015, 90, 172-180.	10.3	63
24483	Structural Tuning Using a Novel Membrane Reactor for Carbon Nanotube Synthesis. <i>Materials Research Society Symposia Proceedings</i> , 2015, 1752, 39-44.	0.1	0
24484	Significantly enhanced robustness and electrochemical performance of flexible carbon nanotube-based supercapacitors by electrodepositing polypyrrole. <i>Journal of Power Sources</i> , 2015, 287, 68-74.	7.8	150
24485	Recent applications of nanomaterials in water desalination: A critical review and future opportunities. <i>Desalination</i> , 2015, 367, 37-48.	8.2	218
24486	Nonlinear vibration of coupled nano- and microstructures conveying fluid based on Timoshenko beam model under two-dimensional magnetic field. <i>Acta Mechanica</i> , 2015, 226, 2729-2760.	2.1	27
24487	Carbon Nanotubes for Dye-Sensitized Solar Cells. <i>Small</i> , 2015, 11, 2963-2989.	10.0	122
24488	Noble metals supported on carbon nanotubes using supercritical fluids for the preparation of composite materials: A look at the interface. <i>Journal of Supercritical Fluids</i> , 2015, 101, 110-116.	3.2	22

#	ARTICLE	IF	CITATIONS
24489	One-dimension-based spatially ordered architectures for solar energy conversion. Chemical Society Reviews, 2015, 44, 5053-5075.	38.1	367
24490	Carbon nanotube catalysts: recent advances in synthesis, characterization and applications. Chemical Society Reviews, 2015, 44, 3295-3346.	38.1	586
24492	Marrying mussel inspired chemistry with SETâ€LRP: A novel strategy for surface functionalization of carbon nanotubes. Journal of Polymer Science Part A, 2015, 53, 1872-1879.	2.3	39
24493	Novel microwave-assisted multiwall carbon nanotubes enhancing Cu (II) adsorption capacity in water. Journal of the Taiwan Institute of Chemical Engineers, 2015, 53, 140-152.	5.3	32
24494	Thermal Degradation of Polymer Blends, Composites and Nanocomposites. Engineering Materials, 2015, , .	0.6	17
24495	New laser ablation chamber for producing carbon nanomaterials using excimer laser. Materials Research Innovations, 2015, 19, 33-39.	2.3	15
24496	Sorption Mechanisms of Organic Compounds by Carbonaceous Materials: Site Energy Distribution Consideration. Environmental Science & Technology, 2015, 49, 4894-4902.	10.0	96
24497	Preparation of amine functionalized carbon nanotubes via a bioinspired strategy and their application in Cu ²⁺ removal. Applied Surface Science, 2015, 343, 19-27.	6.1	313
24498	Phthalocyanineâ€Nanocarbon Ensembles: From Discrete Molecular and Supramolecular Systems to Hybrid Nanomaterials. Accounts of Chemical Research, 2015, 48, 900-910.	15.6	116
24499	Immobilized copper(II) macrocyclic complex on MWCNTs with antibacterial activity. Applied Surface Science, 2015, 341, 86-91.	6.1	11
24500	Effect of delamination on the electromagnetic wave absorbing performance of radar absorbing structures. Composites Science and Technology, 2015, 116, 18-25.	7.8	54
24505	Green synthesis of fluorescent carbon nanoparticles from lychee (Litchi chinensis) plant. Korean Journal of Chemical Engineering, 2015, 32, 1707-1711.	2.7	17
24506	Nonlinear vibration analysis of double-layered nanoplates with different boundary conditions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1532-1537.	2.1	23
24507	Characteristics of BaTiO ₃ â€carbon nanotube composite synthesised by mechanical milling. Materials Research Innovations, 2015, 19, 265-269.	2.3	2
24508	Semi Nonlinear Analysis in Carbon Nanotube. , 2015, , 13-70.		1
24509	Thermomechanical Vibration Behavior of FG Nanobeams Subjected to Linear and Non-Linear Temperature Distributions. Journal of Thermal Stresses, 2015, 38, 1360-1386.	2.0	67
24510	Synthesis of carbon nanotubes by arc-discharge and chemical vapor deposition method with analysis of its morphology, dispersion and functionalization characteristics. Cogent Engineering, 2015, 2, 1094017.	2.2	66
24511	One step controllable electrochemical deposition of silver hexacyanoferrate nanoparticles/multi-wall carbon nanotubes/Nafion modified electrode for the sensing of phenol. Journal of Analytical Chemistry, 2015, 70, 1116-1122.	0.9	5

#	ARTICLE	IF	CITATIONS
24512	Single-walled carbon nanotube/silica composite as a novel coating for solid-phase microextraction fiber based on sol-gel technology. <i>Journal of Analytical Chemistry</i> , 2015, 70, 1192-1198.	0.9	7
24513	Preparation and Catalytic Property of Multi-walled Carbon Nanotubes Supported Keggin-Typed Tungstosilicic Acid for the Baeyer–Villiger Oxidation of Ketones. <i>Catalysis Letters</i> , 2015, 145, 1955-1960.	2.6	6
24514	Structure, energetic stability and tunable electronic properties of BxCyNz armchair nanotubes: a theoretical study on the influence of diameter and local carbon concentration. <i>European Physical Journal B</i> , 2015, 88, 1.	1.5	14
24515	Determination of arbutin and bergenin in <i>Bergeniae Rhizoma</i> by capillary electrophoresis with a carbon nanotube-epoxy composite electrode. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 115, 323-329.	2.8	11
24516	Enhanced electrical conductivity and hardness of silver-nickel composites by silver-coated multi-walled carbon nanotubes. <i>Nanotechnology</i> , 2015, 26, 295705.	2.6	10
24517	Effervescence and graphitized multi-walled carbon nanotubes assisted microextraction for natural antioxidants by ultra high performance liquid chromatography with electrochemical detection and quadrupole time-of-flight tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1418, 12-20.	3.7	20
24518	Self-assembly flower-like porous carbon nanosheet powders for higher lithium-ion storage capacity. <i>Electrochimica Acta</i> , 2015, 184, 308-315.	5.2	20
24519	Size dependency and potential field influence on deriving mechanical properties of carbon nanotubes using molecular dynamics. <i>Theoretical and Applied Mechanics Letters</i> , 2015, 5, 167-172.	2.8	49
24520	Tunable Mechanical and Thermal Properties of One-Dimensional Carbyne Chain: Phase Transition and Microscopic Dynamics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24156-24164.	3.1	57
24521	Hierarchical Polymer–Carbon Nanotube Hybrid Mesostructures by Crystallization-Driven Self-Assembly. <i>ACS Nano</i> , 2015, 9, 10673-10685.	14.6	30
24522	Biobased Janus molecule for the facile preparation of water solutions of few layer graphene sheets. <i>RSC Advances</i> , 2015, 5, 81142-81152.	3.6	27
24524	Study on the strengthening mechanisms of Cu/CNT nano-composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 645, 347-356.	5.6	56
24525	Photocurrent spectroscopy of exciton and free particle optical transitions in suspended carbon nanotube pn-junctions. <i>Applied Physics Letters</i> , 2015, 107, 053107.	3.3	13
24526	Recent Advances in Synthesis, Modification and Applications of TiO ₂ Nanotube Arrays by Electrochemical Anodization. , 2015, , 1-33.		0
24527	Preparation of Multiwalled Carbon Nanotubes Embedded in Copper Composite Powders. <i>Integrated Ferroelectrics</i> , 2015, 164, 122-130.	0.7	1
24528	In-plane mechanical properties of carbon nanotube films fabricated by floating catalyst chemical vapor decomposition. <i>Journal of Materials Science</i> , 2015, 50, 8166-8174.	3.7	25
24529	Enhanced removal of toxic Congo red dye using multi walled carbon nanotubes: Kinetic, equilibrium studies and its comparison with other adsorbents. <i>Journal of Molecular Liquids</i> , 2015, 212, 266-271.	4.9	123
24530	Twisting Carbon Nanotube Ropes with the Mesoscopic Distinct Element Method: Geometry, Packing, and Nanomechanics. <i>Langmuir</i> , 2015, 31, 12323-12327.	3.5	17

#	ARTICLE	IF	CITATIONS
24531	Novel Carbon Nanotube/Cellulose Composite Fibers As Multifunctional Materials. ACS Applied Materials & Interfaces, 2015, 7, 22404-22412.	8.0	114
24532	The Ugi reaction in polymer chemistry: syntheses, applications and perspectives. Polymer Chemistry, 2015, 6, 8233-8239.	3.9	118
24533	Evaluation of <i>in vitro</i> and <i>in vivo</i> genotoxicity of single-walled carbon nanotubes. Toxicology and Industrial Health, 2015, 31, 747-757.	1.4	19
24534	Bio-nano hybrid materials based on bacteriorhodopsin: Potential applications and future strategies. Advances in Colloid and Interface Science, 2015, 225, 194-202.	14.7	34
24535	Charging-induced asymmetric spin distribution in an asymmetric (9,0) carbon nanotube. Physical Chemistry Chemical Physics, 2015, 17, 28860-28865.	2.8	6
24536	Raman spectrometry of carbon nanotubes using an Al-catalyst supported layer on nickel film deposited on silicon substrate. Proceedings of SPIE, 2015, , .	0.8	0
24537	Comparative Studies on Al-Based Composite Powder Reinforced with Nano Garnet and Multi-wall Carbon Nanotubes. Journal of Materials Engineering and Performance, 2015, 24, 4200-4205.	2.5	1
24538	High-performance LiMn _{0.8} Fe _{0.2} PO ₄ with hybrid conductive additives based on functionalized and etched multi-walled carbon nanotubes by self-destruction during the lithiation process. Journal of Alloys and Compounds, 2015, 649, 1315-1322.	5.5	12
24539	Fabrication and application of carbon nanotubes/cellulose composite paper. Vacuum, 2015, 122, 135-142.	3.5	53
24540	Unifying the templating effects of porous anodic alumina on metallic nanoparticles for carbon nanotube synthesis. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	2
24541	Fabrication and characterization of closed-cell aluminum foams with different contents of multi-walled carbon nanotubes. Materials and Design, 2015, 88, 359-365.	7.0	60
24542	Different Interaction Mechanisms of Eu(III) and ²⁴³ Am(III) with Carbon Nanotubes Studied by Batch, Spectroscopy Technique and Theoretical Calculation. Environmental Science & Technology, 2015, 49, 11721-11728.	10.0	113
24543	Naphthalenebisimides as photofunctional surfactants for SWCNTs “towards water-soluble electron donor-acceptor hybrids. Chemical Science, 2015, 6, 6886-6895.	7.4	13
24544	Facile and fast fabrication of polyaniline nanorods on acidized titanium foils with a synergistic effect for electrochemical sensing. Journal of Materials Chemistry B, 2015, 3, 8629-8637.	5.8	6
24545	Electrocatalytic Properties of Vanadyl Complex in Graphite Nanocomposite and its Enhanced Electrochemical Catalysis Properties for Levodopa Oxidation. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1576-1581.	3.7	6
24546	Aqueous-solution synthesis of uniform PbS nanocubes and their optical properties. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	5
24547	A review of plasma-liquid interactions for nanomaterial synthesis. Journal Physics D: Applied Physics, 2015, 48, 424005.	2.8	250
24548	Scalable fabrication of carbon-based MEMS/NEMS and their applications: a review. Journal of Micromechanics and Microengineering, 2015, 25, 113001.	2.6	31

#	ARTICLE	IF	CITATIONS
24549	Nanoscale Electromagnetic Compatibility: Quantum Coupling and Matching in Nanocircuits. IEEE Transactions on Electromagnetic Compatibility, 2015, 57, 1645-1654.	2.2	24
24550	Protocol for High-Sensitivity Surface Area Measurements of Nanostructured Films Enabled by Atomic Layer Deposition of TiO ₂ . Journal of Physical Chemistry C, 2015, 119, 26119-26127.	3.1	8
24551	Preparation of zinc oxide nanoparticleâ€“reduced graphene oxideâ€“gold nanoparticle hybrids for detection of NO ₂ . RSC Advances, 2015, 5, 91760-91765.	3.6	49
24552	Comparative Failure Analysis of PLA, PLA/GNP and PLA/CNT-COOH Biodegradable Nanocomposites thin Films. Procedia Engineering, 2015, 114, 635-642.	1.2	40
24553	The Effect of Chemical Solutions (Isopropyl Alcohol, Dichloromethane, Acetone and Triton X-100) on the Dispersion of Single-Walled Carbon Nanotubes. Advanced Materials Research, 0, 1109, 113-117.	0.3	5
24554	Microstructure and transmission electron microscopy characterization of electroless Niâ€“B thin films deposited on MWCNTs. Surface and Coatings Technology, 2015, 282, 107-114.	4.8	17
24555	Microwave synthesis of carbon nanofibers â€“ the influence of MW irradiation power, time, and the amount of catalyst. Journal of Materials Chemistry A, 2015, 3, 23778-23787.	10.3	27
24556	The gate and drain control coefficients effect on CNTFET performance under different temperature. , 2015, , .		3
24557	The EBG structure with a forest metallic carbon nanotubes analysed by iterative method WCIP. International Journal of Hydrogen Energy, 2015, 40, 13759-13763.	7.1	0
24558	Simultaneous determination of 70 pesticide residues in leek, leaf lettuce and garland chrysanthemum using modified QuEChERS method with multi-walled carbon nanotubes as reversed-dispersive solid-phase extraction materials. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1005, 56-64.	2.3	68
24559	Bimodal Latex Effect on Spin-Coated Thin Conductive Polymerâ€“Single-Walled Carbon Nanotube Layers. Langmuir, 2015, 31, 11982-11988.	3.5	11
24560	One-pot synthesis of aminated multi-walled carbon nanotube using thiol-ene click chemistry for improvement of epoxy nanocomposites properties. RSC Advances, 2015, 5, 98692-98699.	3.6	57
24561	Enhanced Carbon Nanotube Field Emitter With Adsorbed Au Nanoparticles. IEEE Transactions on Electron Devices, 2015, 62, 4301-4304.	3.0	4
24562	Spin splitting at the Fermi level in carbon nanotubes in the absence of a magnetic field. European Physical Journal B, 2015, 88, 1.	1.5	12
24563	State-of-the-art photodetectors for optoelectronic integration at telecommunication wavelength. Nanophotonics, 2015, 4, 277-302.	6.0	76
24564	Ferritin-mixed solution plasma system yielding low-dimensional carbon nanomaterials and their application to flexible conductive paper. Current Applied Physics, 2015, 15, 1506-1511.	2.4	5
24565	Direct functionalization of multi-walled carbon nanotubes (MWCNTs) via grafting of poly(furfuryl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 94321-94327.	3.6	25
24566	A Brief History of Nanoscience and Foresight in Nanotechnology. NATO Science for Peace and Security Series C: Environmental Security, 2015, , 63-86.	0.2	5

#	ARTICLE	IF	CITATIONS
24567	A new Monte Carlo model for predicting the mechanical properties of fiber yarns. Journal of the Mechanics and Physics of Solids, 2015, 84, 325-335.	4.8	22
24568	Individual Titanate Nanoribbons Studied by 3D-Resolved Polarization Dependent X-ray Absorption Spectra Measured with Scanning Transmission X-ray Microscopy. Journal of Physical Chemistry C, 2015, 119, 24192-24200.	3.1	10
24569	Below-gap excitation of semiconducting single-wall carbon nanotubes. Nanoscale, 2015, 7, 18337-18342.	5.6	5
24570	Evaluation of the enthalpy of formation of carbon nanotubes and their phase diagram. Nanotechnologies in Russia, 2015, 10, 689-695.	0.7	5
24571	Oxygenated amorphous carbon for resistive memory applications. Nature Communications, 2015, 6, 8600.	12.8	86
24572	A physical entrapment method for the preparation of carbon nanotube reinforced macroporous adsorption resin with enhanced selective extraction performance. Nanoscale, 2015, 7, 18619-18627.	5.6	13
24573	Electrochemical Sensors Based on Nanostructured Materials. , 2015, , 1-15.		2
24574	Trends of amino acid adsorption onto graphene and graphene oxide surfaces: a dispersion corrected DFT study. RSC Advances, 2015, 5, 92843-92857.	3.6	62
24575	Graphene Oxideâ€“Carbon Nanotubes Hybrids: Preparation, Characterization, and Application in Phenol Formaldehyde Resin. Journal of Macromolecular Science - Physics, 2015, 54, 1507-1514.	1.0	9
24576	Enhanced mechanical properties in ZrO ₂ multi-walled carbon nanotube nanocomposites produced by solâ€“gel and high-pressure. Nano Structures Nano Objects, 2015, 4, 1-8.	3.5	7
24577	Synthesis of 1D-glyconanomaterials by a hybrid noncovalentâ€“covalent functionalization of single wall carbon nanotubes: a study of their selective interactions with lectins and with live cells. Nanoscale, 2015, 7, 19259-19272.	5.6	16
24578	Carbon-based optical limiting materials. Science China Chemistry, 2015, 58, 1782-1791.	8.2	24
24579	Carbyne with finite length: The one-dimensional <i>sp</i> carbon. Science Advances, 2015, 1, e1500857.	10.3	131
24580	Preparation, Formation Mechanism, and Photoresponse Properties of GeSe Microtubes with a Rectangular Cross Section. ChemPlusChem, 2015, 80, 630-634.	2.8	13
24582	Carbon nanotube-toughened interlocking buffer layer to improve the adhesion strength and thermal shock resistance of SiC coating for C/Câ€“ZrCâ€“SiC composites. Journal of Materiomics, 2015, 1, 245-252.	5.7	21
24583	Rheological modeling of suspensions of fibrous nanoparticles in polymeric viscoelastic media. Journal of Non-Newtonian Fluid Mechanics, 2015, 223, 240-248.	2.4	2
24584	BisGMA-polyvinylpyrrolidone blend based nanocomposites reinforced with chitosan grafted f-multiwalled carbon nanotubes. Results in Physics, 2015, 5, 158-167.	4.1	6
24585	Self-catalyzed Growth of Large-Area Nanofilms of Two-Dimensional Carbon. Scientific Reports, 2015, 5, 7756.	3.3	129

#	ARTICLE	IF	CITATIONS
24586	The effect of reaction atmosphere and growth duration on the size and morphology of boron nitride nanotubes. New Journal of Chemistry, 2015, 39, 7912-7915.	2.8	14
24587	Chemical sensor development based on poly(o-anisidine)silverized MWCNT nanocomposites deposited on glassy carbon electrodes for environmental remediation. RSC Advances, 2015, 5, 71370-71378.	3.6	42
24588	Designing electronic anisotropy of three-dimensional carbon allotropes for the all-carbon device. Applied Physics Letters, 2015, 107, 021905.	3.3	2
24589	Solid Electrodes in Drug Analysis. Monographs in Electrochemistry, 2015, , 83-118.	0.2	2
24590	Self-organisation processes in the carbon arc for nanosynthesis. Journal of Applied Physics, 2015, 117, .	2.5	26
24591	Shear deformable deformation of carbon nanotubes based on a new analytical nonlocal Timoshenko beam model. AIP Conference Proceedings, 2015, , .	0.4	0
24592	Electrical characteristics of ZnO nanorods reinforced polymer nanocomposite thin films. AIP Conference Proceedings, 2015, , .	0.4	2
24593	A first principle study for the comparison of phonon dispersion of armchair carbon and silicon nanotubes. AIP Conference Proceedings, 2015, , .	0.4	0
24594	Electrochemical synthesis of highly crystalline copper nanowires. AIP Conference Proceedings, 2015, , .	0.4	0
24595	Adhesion energy of single wall carbon nanotube loops on various substrates. Journal of Applied Physics, 2015, 117, 164309.	2.5	14
24596	Magnetostatic interactions between wire-tube nanostructures. Journal of Applied Physics, 2015, 117, .	2.5	10
24597	Influence of surface charge on the transport characteristics of nanowire-field effect transistors in liquid environments. Applied Physics Letters, 2015, 106, 203104.	3.3	3
24598	Polarisation dependence of the squash mode in the extreme low frequency vibrational region of single walled carbon nanotubes. Applied Physics Letters, 2015, 106, 201902.	3.3	7
24599	Incommensurate double-walled carbon nanotubes as one-dimensional moiré crystals. Physical Review B, 2015, 91, .	3.2	50
24600	Double-walled carbon nanocones: stability and electronic structure. European Physical Journal B, 2015, 88, 1.	1.5	7
24601	Tailoring the photophysical properties of carbon nanotubes by photonic nanostructures. Modern Physics Letters B, 2015, 29, 1530004.	1.9	6
24602	Stretchable and transparent electrodes based on in-plane structures. Nanoscale, 2015, 7, 14577-14594.	5.6	86
24603	Magnetic properties of electrodeposited nickel-MWCNT nanocomposite films. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
24604	The use of dihexadecylphosphate in sensing and biosensing. Sensors and Actuators B: Chemical, 2015, 220, 805-813.	7.8	20
24605	Investigation on single walled carbon nanotube thin films deposited by Langmuir Blodgett method. AIP Conference Proceedings, 2015, , .	0.4	0
24606	<i>In situ</i> transmission electron microscopy of individual carbon nanotetrahedron/ribbon structures in bending. Applied Physics Letters, 2015, 106, .	3.3	7
24607	Single walled carbon nanotube networkâ€™Tetrahedral amorphous carbon composite film. Journal of Applied Physics, 2015, 117, 225302.	2.5	8
24608	Aerosol Emission Monitoring and Assessment of Potential Exposure to Multi-walled Carbon Nanotubes in the Manufacture of Polymer Nanocomposites. Annals of Occupational Hygiene, 2015, 59, 1135-1151.	1.9	16
24609	Magnetic solid-phase extraction using carbon nanotubes as sorbents: A review. Analytica Chimica Acta, 2015, 892, 10-26.	5.4	290
24610	A new self-ordering regime for fast production of long-range ordered porous anodic aluminum oxide films. Electrochimica Acta, 2015, 178, 11-17.	5.2	34
24611	Systematic Enumeration of sp^3 Nanothreads. Nano Letters, 2015, 15, 5124-5130.	9.1	80
24612	Preparation of poly(N-isopropylacrylamide)-terminated carbon nanotubes and determining their aggregation properties in response to infrared light and heating. Polymer Journal, 2015, 47, 709-712.	2.7	1
24613	Template-free synthesis of fully collapsed carbon nanotubes and graphene nanoribbons by chemical vapor deposition. Applied Surface Science, 2015, 357, 1205-1211.	6.1	2
24614	Fabrics and their composites for electromagnetic shielding applications. Textile Progress, 2015, 47, 87-161.	2.0	28
24615	Study of single walled carbon nanotube functionalization by means of surface enhanced Raman spectroscopy. , 2015, , .		0
24616	Application of Polymer Interlayers in Siliconâ€™Carbon Nanotube Heterojunction Solar Cells. ChemNanoMat, 2015, 1, 115-121.	2.8	24
24617	Features of the oxidation of multiwalled carbon nanotubes. Russian Journal of Physical Chemistry A, 2015, 89, 1989-1996.	0.6	6
24618	Poly(p-phenylene terephthalamide)/carbon nanotube composite membrane: Preparation via polyanion solution method and mechanical property enhancement. Composites Science and Technology, 2015, 118, 135-140.	7.8	15
24619	Thermal conductivity from hierarchical heat sinks using carbon nanotubes and graphene nanosheets. Nanoscale, 2015, 7, 18663-18670.	5.6	58
24620	Effect of fluoride and water content on the growth of TiO ₂ nanotubes synthesized via ethylene glycol with voltage changes during anodizing process. Journal of Physics: Conference Series, 2015, 614, 012001.	0.4	8
24621	A facile approach towards functionalization of MWCNTs with vitamin B2 for reinforcing of biodegradable and chiral poly(ester-imide) having L-phenylalanine linkages: morphological and thermal investigations. Journal of Polymer Research, 2015, 22, 1.	2.4	12

#	ARTICLE	IF	CITATIONS
24622	Growth of well-aligned carbon nanotubes with different shapes. Applied Surface Science, 2015, 357, 2136-2140.	6.1	15
24623	Nanostructured Carbon Allotropes with Weyl-like Loops and Points. Nano Letters, 2015, 15, 6974-6978.	9.1	302
24624	Ionic liquid functionalized multi-walled carbon nanotubes/zeolitic imidazolate framework hybrid membranes for efficient H ₂ /CO ₂ separation. Chemical Communications, 2015, 51, 17281-17284.	4.1	36
24625	Electrical and mechanical properties of polyethylene/MWCNT composites produced by polymerization using Cp ₂ ZrCl ₂ supported on MWCNTs. Macromolecular Research, 2015, 23, 713-718.	2.4	7
24626	Enhanced thermoelectric performance of CNT thin film p/n junctions doped with N-containing organic molecules. Macromolecular Research, 2015, 23, 795-801.	2.4	17
24627	CNT suspended CuO+H ₂ O nano fluid and energy analysis for the peristaltic flow in a permeable channel. AEJ - Alexandria Engineering Journal, 2015, 54, 623-633.	6.4	14
24628	Review“Advanced Carbon-Supported Organic Electrode Materials for Lithium (Sodium)-Ion Batteries. Journal of the Electrochemical Society, 2015, 162, A2393-A2405.	2.9	114
24629	Patterned growth of carbon nanotube array for field emission application. , 2015, , .		0
24630	On the existence of nanojoins with given parameters. Journal of Mathematical Chemistry, 2015, 53, 2078-2094.	1.5	0
24631	Recent developments of camphor based carbon nanomaterial: Their latent applications and future prospects. Nano Structures Nano Objects, 2015, 3, 1-8.	3.5	15
24632	Electrocatalytic reduction of CO ₂ using the dinuclear rhenium(I) complex [ReCl(CO) ₃ ($\frac{1}{4}$ -tptzH)Re(CO) ₃]. Polyhedron, 2015, 101, 160-164.	2.2	15
24633	Rapid Structural Improvement of CVD-Grown Multi-Walled Carbon Nanotubes by Drastic Thermite Reaction. Nano, 2015, 10, 1550112.	1.0	2
24634	Photocurrent Response in Multiwalled Carbon Nanotube Core“Molybdenum Disulfide Shell Heterostructures. Journal of Physical Chemistry C, 2015, 119, 24588-24596.	3.1	20
24635	Carbon nanotube functionalized with dodecylamine for the effective dispersion in solvents. Applied Surface Science, 2015, 357, 2154-2159.	6.1	61
24636	Tube-Length Dependence on Theoretical Raman Spectra of Single-Walled BC ₃ Nanotubes and Bundle Size Effect. Journal of Physical Chemistry C, 2015, 119, 22653-22662.	3.1	4
24637	Single-Layer Graphene as a Barrier Layer for Intense UV Laser-Induced Damages for Silver Nanowire Network. ACS Nano, 2015, 9, 11121-11133.	14.6	59
24638	Self-Assembly and Tribological Properties of Carbon Nanotubes Film on Silicon Substrates. Nano, 2015, 10, 1550098.	1.0	0
24639	Nitrogen-doped carbon coated LiFePO ₄ /carbon nanotube interconnected nanocomposites for high performance lithium ion batteries. New Journal of Chemistry, 2015, 39, 9782-9788.	2.8	13

#	ARTICLE	IF	CITATIONS
24640	Fullerene and Derivatives. , 2015, , 17-43.		0
24641	High-toughness/low-friction ductile epoxy coatings reinforced with carbon nanostructures. Polymer Testing, 2015, 47, 113-119.	4.8	24
24642	Nanotube Electromechanics beyond Carbon: The Case of WS ₂ . ACS Nano, 2015, 9, 12224-12232.	14.6	29
24643	Cationic Dye Removal Ability from Multicomponent System by Magnetic Carbon Nanotubes. Journal of Solution Chemistry, 2015, 44, 1568-1583.	1.2	6
24644	Synthesis of heterostructured SiC and C-SiC nanotubes by ion irradiation-induced changes in crystallinity. Carbon, 2015, 95, 279-285.	10.3	11
24645	An experimental study on the effect of ultrasonication on thermal conductivity of ferrofluid loaded with carbon nanotubes. Thermochimica Acta, 2015, 617, 102-110.	2.7	96
24646	Characterization and structure-property relationship of melt-mixed high density polyethylene/multi-walled carbon nanotube composites under extensional deformation. RSC Advances, 2015, 5, 47555-47568.	3.6	25
24647	Microwave Absorption and Magnetic Properties of Cobalt Ferrites/Carbon Nanotubes Nanocomposites. Nano, 2015, 10, 1550070.	1.0	17
24648	Human hair-derived nitrogen and sulfur co-doped porous carbon materials for gas adsorption. RSC Advances, 2015, 5, 73980-73988.	3.6	57
24649	Unraveling the mechanism of selective ion transport in hydrophobic subnanometer channels. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10851-10856.	7.1	53
24650	Graphene/Carbon Nanotubes Hybrid Electrode Material for High Performance Supercapacitor. Nano, 2015, 10, 1550068.	1.0	7
24651	Preparation and Electrochemical Characterization of Pt-Supported Flake-like Graphitic Carbon Nitride on Reduced Graphene Oxide as Fuel Cell Catalysts. Journal of the Electrochemical Society, 2015, 162, F1181-F1190.	2.9	19
24652	Rapid and low temperature spark plasma sintering synthesis of novel carbon nanotube reinforced titanium matrix composites. Carbon, 2015, 95, 396-407.	10.3	162
24653	Optically Transparent Carbon Nanotube Film Electrode for Thin Layer Spectroelectrochemistry. Analytical Chemistry, 2015, 87, 9687-9695.	6.5	21
24654	Novel hollow all-carbon structures. Nanoscale, 2015, 7, 15886-15894.	5.6	27
24655	Actuation-mechanisms of CNT-bucky papers and CNT-arrays. Proceedings of SPIE, 2015, , .	0.8	0
24656	Atomically controlled substitutional boron-doping of graphene nanoribbons. Nature Communications, 2015, 6, 8098.	12.8	400
24657	Mechanical properties of carbon, silicon carbide, and boron nitride nanotubes: effect of ionization. Monatshefte für Chemie, 2015, 146, 1603-1608.	1.8	7

#	ARTICLE	IF	CITATIONS
24658	Noncovalent functionalization of multi-walled carbon nanotubes with hydroxyl group-containing pyrene derivatives for their composites with polycarbonate. Carbon, 2015, 95, 91-99.	10.3	27
24659	Growth of carbon nanotubes on carbon fibers using the combustion flame oxy-acetylene method. Carbon, 2015, 95, 261-267.	10.3	31
24660	Effects of poly(oxyethylene)-block structure in polyetheramines on the modified carbon nanotube/poly(lactic acid) composites. Composites Part A: Applied Science and Manufacturing, 2015, 78, 18-26.	7.6	3
24661	The effects of carbon nano tubes on electric and dielectric properties of CNTs doped KBr (CNTs/KBr) compound. Physica B: Condensed Matter, 2015, 477, 94-99.	2.7	9
24662	Multi-walled carbon nanotubes: innovative sorbents for pre-concentration of polychlorinated biphenyls in aqueous environments. Analytical Methods, 2015, 7, 8034-8040.	2.7	7
24663	Understanding the nanoscale local buckling behavior of vertically aligned MWCNT arrays with van der Waals interactions. Nanoscale, 2015, 7, 14299-14304.	5.6	25
24664	High-Speed, High-Frequency and Low-PDP, CNFET Full Adder Cells. Journal of Circuits, Systems and Computers, 2015, 24, 1550130.	1.5	7
24665	Molecularly imprinted polymers coated on carbon nanotubes for matrix solid phase dispersion extraction of camptothecin from Camptotheca acuminata. Analytical Methods, 2015, 7, 8100-8108.	2.7	15
24666	Antimicrobial photodynamic inactivation in nanomedicine: small light strides against bad bugs. Nanomedicine, 2015, 10, 2379-2404.	3.3	148
24667	Control and modelling of capillary flow of epoxy resin in aligned carbon nanotube forests. RSC Advances, 2015, 5, 39433-39441.	3.6	9
24668	Reinforcement of high performance polystyrene/polyamide/polythiophene with multi-walled carbon nanotube obtained through various routes. Composite Interfaces, 2015, 22, 885-897.	2.3	15
24669	Titania Nanotubes for Solar Cell Applications. Springer Series in Materials Science, 2015, , 289-306.	0.6	0
24670	Superhydrophobic carbon nanotube/silicon carbide nanowire nanocomposites. Materials and Design, 2015, 87, 198-204.	7.0	20
24671	Temperature sensor based on composite film of vanadium complex (VO ₂ (3-fl)) and CNT. Journal of Semiconductors, 2015, 36, 073004.	3.7	15
24672	HOMO-LUMO gaps for sub-graphenic and sub-buckytubic species. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2015, 471, 20150183.	2.1	8
24673	Nanoscratch technique for aligning multiwalled carbon nanotubes synthesized by the arc discharge method in open air. Bulletin of Materials Science, 2015, 38, 875-886.	1.7	0
24675	Effect of functionalized multi-walled carbon nanotubes on the microstructure and performances of PVDF membranes. RSC Advances, 2015, 5, 75998-76006.	3.6	25
24676	Three-dimensional modal analysis of carbon nanocones using molecular dynamics simulation. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, .	1.2	6

#	ARTICLE	IF	CITATIONS
24677	Synthesis and Characterization of Carbon Nanotube. World Scientific Series on Carbon Nanoscience, 2015, , 51-88.	0.1	0
24678	Homochiral metal phosphonate nanotubes. Chemical Communications, 2015, 51, 15141-15144.	4.1	26
24679	A facilely controlled length, cytotoxicity, length-dependent and cell type-dependent cellular uptake of silica nanotubes and their applications in the delivery of immunostimulatory CpG oligodeoxynucleotides. Journal of Materials Chemistry B, 2015, 3, 7246-7254.	5.8	9
24680	On the Buckling Behavior of Curved Carbon Nanotubes. Advanced Structured Materials, 2015, , 401-412.	0.5	4
24681	Heat Transport in Liquid Polyester Resin with Carbon Nanotubes. International Journal of Thermophysics, 2015, 36, 2854-2861.	2.1	3
24682	The Effect of Doping and Confinement on the Adsorption of Pt on CNTs upon Be, B, N and O Doping: A Theoretical Study. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1502-1510.	3.7	7
24683	Transport properties of double-walled carbon nanotubes and carbon boronitride heteronanotubes. Carbon, 2015, 95, 220-227.	10.3	6
24684	Graphene decorated microelectrodes for simultaneous detection of ascorbic, dopamine, and folic acids by means of chemical vapor deposition. Journal Physics D: Applied Physics, 2015, 48, 375301.	2.8	2
24685	Influence of defects on carrier injection in carbon nanotubes with defects. Japanese Journal of Applied Physics, 2015, 54, 065101.	1.5	10
24686	Electrochemical deposition of silver nanoparticle and polymerization of pyrrole on fabrics via conducting multiwall carbon nanotubes. Cellulose, 2015, 22, 3063-3075.	4.9	18
24687	Enhanced surface photovoltaic properties of TiO nanowires doped by Ag nanoparticles. Materials Letters, 2015, 160, 544-546.	2.6	7
24688	Fabrication and characterization of tunnel barriers in a multi-walled carbon nanotube formed by argon atom beam irradiation. Journal of Applied Physics, 2015, 118, 044306.	2.5	3
24689	Applications of hollow nanomaterials in environmental remediation and monitoring: A review. Frontiers of Environmental Science and Engineering, 2015, 9, 770-783.	6.0	30
24690	A low-temperature n-propanol gas sensor based on TeO ₂ nanowires as the sensing layer. RSC Advances, 2015, 5, 29126-29130.	3.6	31
24691	Synthesis of carrageenan/multi-walled carbon nanotube hybrid hydrogel nanocomposite for adsorption of crystal violet from aqueous solution. Polish Journal of Chemical Technology, 2015, 17, 70-76.	0.5	32
24692	Controllable synthesis and cathodoluminescent property of 1D wurtzite ZnS nanostructures. Journal of Alloys and Compounds, 2015, 648, 481-487.	5.5	12
24693	Electrode nanomaterials for lithium-ion batteries. Russian Chemical Reviews, 2015, 84, 826-852.	6.5	84
24694	The preparation of lysine modified multi-walled carbon nanotubes and the study of its dispersion properties. IOP Conference Series: Materials Science and Engineering, 2015, 87, 012048.	0.6	2

#	ARTICLE	IF	CITATIONS
24695	Electrochemical behavior of naringenin and its sensitive determination based on a single-walled carbon nanotube modified electrode. <i>Analytical Methods</i> , 2015, 7, 8847-8856.	2.7	8
24696	Flexible, Highly Durable, and Thermally Stable SWCNT/Polyimide Transparent Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20865-20874.	8.0	26
24697	The C-, Si-, Ge-Doped (6,3) Chiral BNNTs: A Computational Study. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2015, 70, 859-866.	1.5	3
24698	Two-dimensional graphene heterojunctions: The tunable mechanical properties. <i>Carbon</i> , 2015, 95, 1061-1068.	10.3	13
24699	Properties and Interfacial Structure Analysis of MWCNT/ESBS Composites. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8690-8698.	3.7	3
24700	A molecularly imprinted electrochemical sensor based on a gold nanoparticle/carbon nanotube hybrid material for the sensitive detection of isoniazid. <i>Analytical Methods</i> , 2015, 7, 9121-9129.	2.7	16
24701	Structures and properties of diamond-like phases derived from carbon nanotubes and three-dimensional graphites. <i>Journal of Materials Science</i> , 2015, 50, 7627-7635.	3.7	9
24702	A DFT study of electronic and magnetic properties of titanium decorating point-defective graphene. <i>Applied Surface Science</i> , 2015, 356, 1025-1031.	6.1	9
24703	Enhanced electrical and mass transfer characteristics of acid-treated carbon nanotubes for capacitive deionization. <i>Current Applied Physics</i> , 2015, 15, 1539-1544.	2.4	25
24704	Dispersion evaluation, processing and tensile properties of carbon nanotubes-modified epoxy composites prepared by high pressure homogenization. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 78, 166-173.	7.6	11
24705	Near-infrared reflectance and thermal performance of Na ₂ V ₆ O ₁₆ ·xH ₂ O nanoribbon as a novel cool brown pigment. <i>Dyes and Pigments</i> , 2015, 123, 242-247.	3.7	13
24706	Preparation of pompon-like MnO/carbon nanotube composite microspheres as anodes for lithium ion batteries. <i>Electrochimica Acta</i> , 2015, 180, 858-865.	5.2	36
24707	Magnetic Properties of Electrodeposited Nickel-Multiwall Carbon Nanotube Composite Films. <i>IEEE Transactions on Magnetics</i> , 2015, 51, .	2.1	11
24708	Field emission characteristics of pristine and lithium-doped boron nanotubes: A theoretical study. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, 050602.	1.2	1
24709	Molecular dynamics simulation of polymer/carbon nanotube composites. <i>Acta Mechanica Sinica</i> , 2015, 28, 409-419.	1.9	23
24710	Preparation of multilayer carbon microspheres by using graphitic carbon nitride as precursor. <i>Physica B: Condensed Matter</i> , 2015, 477, 137-140.	2.7	5
24711	Nitrogen-embedded buckyball and its assembly with C ₆₀ . <i>Nature Communications</i> , 2015, 6, 8215.	12.8	208
24712	Comparison of the Dielectric Thermal Properties and Dynamic Mechanical Thermal Properties of Natural Rubber-Based Composites Comprising Multiwall Carbon Nanotubes and Graphene Nanoplatelets. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 1001-1007.	2.1	8

#	ARTICLE	IF	CITATIONS
24713	In situ growth of nickel-cobalt oxyhydroxide/oxide on carbon nanotubes for high performance supercapacitors. <i>Electrochimica Acta</i> , 2015, 178, 439-446.	5.2	62
24714	Functionalized carbon nanotubes: revolution in brain delivery. <i>Nanomedicine</i> , 2015, 10, 2639-2642.	3.3	40
24715	Optimum temperature on structural growth of multiwalled carbon nanotubes with low activation energy. <i>Diamond and Related Materials</i> , 2015, 58, 129-138.	3.9	20
24716	The effects of boron doping on the optical absorption of carbon nanotubes. <i>Optik</i> , 2015, 126, 1918-1922.	2.9	9
24717	A novel processing technique for CNTs growth on Co-supported molecular sieve coated porous ceramics. <i>Materials Letters</i> , 2015, 161, 212-215.	2.6	13
24718	Influence of uniaxial strain on the linear optical spectra in the metallic single-walled carbon nanotubes. <i>Physica B: Condensed Matter</i> , 2015, 479, 74-78.	2.7	1
24719	Protein functionalized carbon nanomaterials for biomedical applications. <i>Carbon</i> , 2015, 95, 767-779.	10.3	186
24720	Adsorption of gases from SF ₆ decomposition on aluminum-doped SWCNTs: a density functional theory study. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	31
24721	CNT Reinforced Aluminium Matrix Composite-A Review. <i>Materials Today: Proceedings</i> , 2015, 2, 2886-2895.	1.8	62
24722	Localized surface plasmon fiber device coated with carbon nanotubes for the specific detection of CO ₂ . , 2015, , .		0
24723	Aggregation of glycerol induced by carbon nanotubes in aqueous solution and its influencing factors. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 878-884.	2.6	2
24724	Adsorption of aqueous Cd(II) and Pb(II) on activated carbon nanopores prepared by chemical activation of doum palm shell. <i>SpringerPlus</i> , 2015, 4, 458.	1.2	47
24725	Thermo-mechanical vibration analysis of a single-walled carbon nanotube embedded in an elastic medium based on higher-order shear deformation beam theory. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 3797-3803.	1.5	38
24726	Fe ₂ O ₃ Nanoparticle/SWCNT Composite Electrode for Sensitive Electrocatalytic Oxidation of Hydroquinone. <i>Electrochimica Acta</i> , 2015, 180, 1059-1067.	5.2	43
24727	Derivation of a universal estimate for the stiffness of carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 73, 116-125.	2.7	10
24728	In vitro toxicity of carbon nanotubes, nano-graphite and carbon black, similar impacts of acid functionalization. <i>Toxicology in Vitro</i> , 2015, 30, 476-485.	2.4	49
24729	Glitter in a 2D monolayer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26036-26042.	2.8	68
24730	Revealing unusual chemical bonding in planar hyper-coordinate Ni ₂ Ge and quasi-planar Ni ₂ Si two-dimensional crystals. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 26043-26048.	2.8	95

#	ARTICLE	IF	CITATIONS
24731	Nanofiber-Reinforced Elastomers. , 2015, , 1320-1323.		0
24732	New Synthetic Carbon Allotropes. , 2015, , 1382-1392.		1
24733	Detonation Synthesis and Friction-Wear Test of Carbon-Encapsulated Copper Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1569-1575.	3.7	8
24734	Influence of Carboxylation on Structural and Mechanical Properties of Carbon Nanotubes: Composite Reinforcement and Toxicity Reduction Perspectives. Journal of Physical Chemistry C, 2015, 119, 26734-26746.	3.1	18
24735	Carboxymethyl chitosan-assisted uniformly anchored Pd nanoparticles on carbon nanotubes for methanol electrooxidation in alkaline media. Micro and Nano Letters, 2015, 10, 119-121.	1.3	2
24736	X-ray source using carbon-nanotube field emitter with side-gate electrode. Japanese Journal of Applied Physics, 2015, 54, 06FF10.	1.5	5
24737	Gas sensors based on functionalized carbon nanotubes. Journal of Contemporary Physics, 2015, 50, 333-354.	0.6	20
24738	Piezoresistive behavior of a stretchable carbon nanotube-interlayered poly(dimethylsiloxane) sheet with a wrinkled structure. RSC Advances, 2015, 5, 73162-73168.	3.6	5
24739	Performance of hybrid nanostructured conductive cotton materials as wearable devices: an overview of materials, fabrication, properties and applications. RSC Advances, 2015, 5, 107716-107770.	3.6	72
24740	Size-dependent thermo-electrical buckling analysis of functionally graded piezoelectric nanobeams. Smart Materials and Structures, 2015, 24, 125007.	3.5	94
24741	Investigation of the adsorption of polymer chains on amine-functionalized double-walled carbon nanotubes. Journal of Molecular Modeling, 2015, 21, 312.	1.8	10
24742	Numerical investigation on the influence of atomic defects on the tensile and torsional behavior of hetero-junction carbon nanotubes. Materials Chemistry and Physics, 2015, 164, 122-137.	4.0	13
24743	Effects of Growth Parameters on the Morphology of CNTs/Cu Composite Powder Prepared Using Cr/Cu Catalyst by Chemical Vapor Deposition. Rare Metal Materials and Engineering, 2015, 44, 1832-1837.	0.8	6
24744	Facile, soot free approach toward synthesis of carbon nanoropes via chemical vapor deposition of acetylene in the presence of MnFe ₂ O ₄ coated on stainless steel. Applied Surface Science, 2015, 359, 797-804.	6.1	13
24745	Effect of the carbon nanomaterials structure on silica carbothermal reduction. Diamond and Related Materials, 2015, 60, 14-19.	3.9	3
24746	The influence of nitrogen doping on thermal conductivity of carbon nanotubes. Thermochimica Acta, 2015, 617, 163-168.	2.7	20
24747	Functionalized Multi-Walled Carbon Nanotubes with Vitamin C Structures: Characterization and Fabrication of Thiazole Containing Poly(amide-imide)-based Composites. Polymer-Plastics Technology and Engineering, 2015, 54, 1644-1652.	1.9	4
24748	Electrochemical properties of nickel-metal hydride battery based on directly grown multiwalled carbon nanotubes. International Journal of Hydrogen Energy, 2015, 40, 8935-8940.	7.1	4

#	ARTICLE	IF	CITATIONS
24749	The preparation and tribological properties of thermoplastic self-assembled composite film filled with carbon nanotubes. <i>Journal of Thermoplastic Composite Materials</i> , 2015, 28, 995-1007.	4.2	1
24750	In Situ High-Temperature NEXAFS Study on Carbon Nanotube and Graphene Formation by Thermal Decomposition of SiC. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26698-26705.	3.1	4
24751	Engineering heterojunctions with carbon nanostructures: towards high-performance optoelectronics. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
24752	Recent Trends in Sample Preparation and Liquid Chromatography/Mass Spectrometry for Pesticide Residue Analysis in Food and Related Matrixes. <i>Journal of AOAC INTERNATIONAL</i> , 2015, 98, 1143-1162.	1.5	62
24753	Selective adsorption of gold ions from complex system using oxidized multi-walled carbon nanotubes. <i>Journal of Molecular Liquids</i> , 2015, 212, 480-486.	4.9	37
24754	Stabilization and dispersion of carbon nanomaterials in aqueous solutions: A review. <i>Separation and Purification Technology</i> , 2015, 156, 861-874.	7.9	70
24755	Effects of Nickel Species on Ni/Al ₂ O ₃ Catalysts in Carbon Nanotube and Hydrogen Production by Waste Plastic Gasification: Bench- and Pilot-Scale Tests. <i>Energy & Fuels</i> , 2015, 29, 8178-8187.	5.1	73
24756	Electrical contacts to two-dimensional semiconductors. <i>Nature Materials</i> , 2015, 14, 1195-1205.	27.5	1,318
24757	Tensile strain sensing of buckypaper and buckypaper composites. <i>Materials and Design</i> , 2015, 88, 414-419.	7.0	32
24758	Longitudinal vibration of nanorods embedded in an elastic medium with elastic restraints at both ends. <i>Micro and Nano Letters</i> , 2015, 10, 641-644.	1.3	23
24759	Development of non-covalent ternary polymer-CNT composites as a novel supporting material for electrooxidation of glycerol. <i>RSC Advances</i> , 2015, 5, 98822-98833.	3.6	17
24760	Electronic and optical properties in graphane. <i>Philosophical Magazine</i> , 2015, 95, 2717-2730.	1.6	4
24761	Recent Progress on the Chemical Reactions of Single-Walled Carbon Nanotubes. , 2015, , 177-197.		1
24762	Copper Nanoparticle/Multiwalled Carbon Nanotube Composite Films with High Electrical Conductivity and Fatigue Resistance Fabricated via Flash Light Sintering. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25413-25423.	8.0	64
24763	Fabrication of a modified electrode based on multi-walled carbon nanotubes decorated with iron oxide nanoparticles for the determination of enrofloxacin. <i>Micro and Nano Letters</i> , 2015, 10, 561-566.	1.3	17
24764	Elastic properties of a single-walled carbon nanotube under a thermal environment. <i>Composite Structures</i> , 2015, 121, 337-343.	5.8	37
24765	Thermal properties of alumina-MWCNTs composites. <i>Journal of the European Ceramic Society</i> , 2015, 35, 1559-1567.	5.7	17
24766	Antitumor effect of boron nitride nanotubes in combination with thermal neutron irradiation on BNCT. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 172-174.	2.2	41

#	ARTICLE	IF	CITATIONS
24767	Optoelectronic and charge carrier hopping properties of ultra-thin boron nitride nanotubes. Superlattices and Microstructures, 2015, 79, 79-85.	3.1	12
24768	Hierarchical structure of hollow thorn-like polypyrrole microtubes with enhanced electrochemical performance. RSC Advances, 2015, 5, 1191-1197.	3.6	19
24769	A theoretical study on the interaction of amphetamine and single-walled carbon nanotubes. Applied Surface Science, 2015, 329, 87-93.	6.1	13
24770	Carbon nanotubes: potential medical applications and safety concerns. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2015, 7, 371-386.	6.1	61
24771	Properties of polyetherimide/graphite composites prepared using ultrasonic twin-screw extrusion. Journal of Applied Polymer Science, 2015, 132, .	2.6	18
24772	Theoretical Study of Cyanate Adsorption on the (6,0) and (7,0) Aluminum Nitride Nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 263-265.	2.1	1
24773	Fatigue properties of bituminous binders reinforced with carbon nanotubes. International Journal of Pavement Engineering, 2015, 16, 80-90.	4.4	57
24774	Safety and toxicity concerns of orally delivered nanoparticles as drug carriers. Expert Opinion on Drug Metabolism and Toxicology, 2015, 11, 381-393.	3.3	38
24775	Low Voltage Transmission Electron Microscopy of Graphene. Small, 2015, 11, 515-542.	10.0	54
24776	Preparation, characterization and properties of polycaprolactone diol-functionalized multi-walled carbon nanotube/thermoplastic polyurethane composite. Composites Part A: Applied Science and Manufacturing, 2015, 70, 8-15.	7.6	47
24777	Analytical Procedure for the Determination of Zearalenone in Environmental and Biological Samples. Critical Reviews in Analytical Chemistry, 2015, 45, 119-130.	3.5	35
24778	Comparison among Different Processing Conditions in Synthesis of Polypropylene/Carbon Nanotubes Composites Using Raman Spectroscopy. Polymer-Plastics Technology and Engineering, 2015, 54, 81-86.	1.9	2
24779	Synthesis and Characterization of Multiwalled Carbon Nanotubes Using Ferrocene and Aluminum Oxide/Iron Nitrate Catalysts. Analytical Letters, 2015, 48, 340-348.	1.8	4
24780	The Chemical Electronic Properties of PNP Molecular Transistor Based on (4,3) Chiral Carbon Nanotube. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 218-232.	2.1	1
24781	Covalent functionalization of single-walled carbon nanotubes through attachment of aromatic diisocyanate molecules from first principles. Chemical Physics Letters, 2015, 619, 103-108.	2.6	4
24782	Two-dimensional electron gas under the effect of constrained potential and magnetic field in curved space. Physica B: Condensed Matter, 2015, 459, 88-92.	2.7	5
24783	A DFT study on Diels-Alder cycloadditions of <i>trans</i> -1,3-butadiene to C ₆₀ and C ₇₀ . Journal of Physical Organic Chemistry, 2015, 28, 281-289.	1.9	10
24784	Chemical Forces: Nanoparticles. , 2015, , 111-136.		0

#	ARTICLE	IF	CITATIONS
24785	Covalent functionalization/polycarboxylation of tungsten disulfide inorganic nanotubes (INTs-WS2). Nano Research, 2015, 8, 1454-1463.	10.4	20
24786	Handbook of Polymer Nanocomposites. Processing, Performance and Application. , 2015, , .		61
24787	Electron diffraction patterns from scroll nanotubes: interpretation peculiarities. Journal of Applied Crystallography, 2015, 48, 29-36.	4.5	3
24788	A systematic study of rare gas atoms encapsulated in small fullerenes using dispersion corrected density functional theory. Journal of Computational Chemistry, 2015, 36, 88-96.	3.3	28
24789	Physisorption to chemisorption transition of H ₂ S on carbon nanocone induced by decoration of Be ₂ O ₂ cluster. Journal of the Iranian Chemical Society, 2015, 12, 1099-1106.	2.2	26
24790	One Platform Comparison of Estrone and Folic Acid Anchored Surface Engineered MWCNTs for Doxorubicin Delivery. Molecular Pharmaceutics, 2015, 12, 630-643.	4.6	45
24791	Biologically Inspired, Sophisticated Motions from Helically Assembled, Conducting Fibers. Advanced Materials, 2015, 27, 1042-1047.	21.0	37
24792	Electron Diffraction of an In Situ Strained Double-Walled Carbon Nanotube. Advanced Materials, 2015, 27, 766-770.	21.0	0
24793	Theoretical study of carbonyl sulfide adsorption on Ag-doped SiC nanotubes. Journal of the Iranian Chemical Society, 2015, 12, 1071-1076.	2.2	76
24794	Polylactic Acid (PLA) Carbon Nanotube Nanocomposites. , 2015, , 283-297.		9
24795	Self-template synthesis of magnetic cobalt nanotube based on Kirkendall effect. Materials Letters, 2015, 141, 288-290.	2.6	3
24796	Isogeometric analysis of functionally graded carbon nanotube-reinforced composite plates using higher-order shear deformation theory. Composite Structures, 2015, 123, 137-149.	5.8	191
24797	Electrochemical performance of cotton stalk based activated carbon electrodes modified by MnO ₂ for supercapacitor. Materials Technology, 2015, 30, A2-A7.	3.0	11
24798	A New Carbon Allotrope with Six-Fold Helical Chains in all-sp ² Bonding Networks. Scientific Reports, 2014, 4, 4339.	3.3	77
24799	Zigzag Single-Walled Carbon Nanotubes Substitutionally Doped by Silicon: A Density Functional Theory Study. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 203-208.	2.1	6
24800	Electronic and Structural Properties of Ga-Doped (4,4)armchairSiCNT as ap-Semiconductor. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 54-61.	2.1	2
24801	First-principle study of methanol adsorption on Ni (Pd)-decorated graphene. Journal of the Iranian Chemical Society, 2015, 12, 751-756.	2.2	39
24802	Filled carbon nanotubes in biomedical imaging and drug delivery. Expert Opinion on Drug Delivery, 2015, 12, 563-581.	5.0	114

#	ARTICLE	IF	CITATIONS
24803	p-Phosphonic acid calix[8]arene assisted dispersion and stabilisation of pea-pod C ₆₀ @multi-walled carbon nanotubes in water. Chemical Communications, 2015, 51, 2399-2402.	4.1	19
24804	Lithium ion rechargeable batteries: State of the art and future needs of microscopic theoretical models and simulations. Journal of Electroanalytical Chemistry, 2015, 739, 97-110.	3.8	72
24805	Growth mechanism and PL properties of β -sialon nanobelts/nanowires synthesized by a process of aluminothermic reduction nitridation of zircon. CrystEngComm, 2015, 17, 1591-1596.	2.6	7
24806	The role of interfacial nanolayer in the enhanced thermal conductivity of carbon nanotube-based nanofluids. Applied Physics A: Materials Science and Processing, 2015, 118, 197-205.	2.3	59
24807	Surface Modification of Carbon Nanotubes with Nitrenes: A DFT Study. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 326-331.	2.1	1
24808	First-principles studies of multiferroic and magnetoelectric materials. Science Bulletin, 2015, 60, 156-181.	9.0	49
24809	Ab initio studies of the interaction of formaldehyde with beryllium oxide nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 68, 22-27.	2.7	106
24810	Preparation of carbon nanotubes decorated with manganese dioxide nanoparticles for electrochemical determination of ferulic acid. Mikrochimica Acta, 2015, 182, 1103-1111.	5.0	26
24811	A multi-step mechanism and integrity of titanate nanoribbons. Dalton Transactions, 2015, 44, 1150-1160.	3.3	15
24812	Functionalization of Carbon Nanotubes and Their Polyurethane Nanocomposites. , 2015, , 103-121.		4
24813	Reissner's mixed variational theorem-based nonlocal Timoshenko beam theory for a single-walled carbon nanotube embedded in an elastic medium and with various boundary conditions. Composite Structures, 2015, 122, 390-404.	5.8	20
24814	Rotation, elongation and failure of CNT nanoropes induced by electric field. Computational Materials Science, 2015, 98, 333-339.	3.0	2
24815	Effect of boron nitride nanotubes content on mechanical properties and microstructure of Ti(C,N)-based cermets. Ceramics International, 2015, 41, 2813-2818.	4.8	18
24816	Nonlinear resonances of a single-wall carbon nanotube cantilever. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 67, 159-167.	2.7	4
24817	Field-enhanced electronic specific heat of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 67, 89-98.	2.7	4
24818	Spectroscopic analysis of multi-walled carbon nanotube/alumina composite films: Optimization of temperature coefficient of resistance and thermal hysteresis for thermal sensor applications. Materials Science in Semiconductor Processing, 2015, 31, 116-123.	4.0	14
24819	Cut growth and abrasion behaviour, and morphology of natural rubber filled with MWCNT and MWCNT/carbon black. Polymer Testing, 2015, 41, 172-183.	4.8	25
24820	Electronic properties of β -graphyne nanotubes. Carbon, 2015, 84, 246-253.	10.3	68

#	ARTICLE	IF	CITATIONS
24821	Effect of sonication on high temperature properties of bituminous binders reinforced with nano-additives. Construction and Building Materials, 2015, 75, 395-403.	7.2	46
24822	Beryllium doping graphene, graphene-nanoribbons, C60-fullerene, and carbon nanotubes. Carbon, 2015, 84, 317-326.	10.3	27
24824	Immobilized organoruthenium(II) complexes onto polyethyleneimine-wrapped carbon nanotubes/in situ formed gold nanoparticles as a novel electrochemical sensing platform. Materials Science and Engineering C, 2015, 48, 270-278.	7.3	14
24825	Free vibration of an embedded single-walled carbon nanotube with various boundary conditions using the RMVT-based nonlocal Timoshenko beam theory and DQ method. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 68, 8-21.	2.7	23
24826	Giant and flux controllable pumping of water molecules in a double-walled carbon nanotube. Molecular Simulation, 2015, 41, 512-520.	2.0	0
24827	Hybrid metal-based carbon nanotubes: Novel platform for multifunctional applications. Progress in Materials Science, 2015, 69, 183-212.	32.8	56
24828	Nanoporous Carbon Tubes from Fullerene Crystals as the γ - CaCl_2 Electron Carbon Source. Angewandte Chemie - International Edition, 2015, 54, 951-955.	13.8	116
24829	CVD of carbon nanotubes in porous nickel for anodes in lithium ion battery. Current Opinion in Chemical Engineering, 2015, 7, 32-39.	7.8	9
24830	3D image reconstruction of fiber systems using electron tomography. Ultramicroscopy, 2015, 149, 21-25.	1.9	7
24831	Diamond polytypes under high pressure: A first-principles study. Computational Materials Science, 2015, 98, 129-135.	3.0	12
24832	Quantitative nanomechanical characterization of the van der Waals interfaces between carbon nanotubes and epoxy. Carbon, 2015, 82, 214-228.	10.3	87
24833	Inter-wall bridging induced peeling of multi-walled carbon nanotubes during tensile failure in aluminum matrix composites. Micron, 2015, 69, 1-5.	2.2	26
24834	Techniques for Large-Scale Multiunit Recording. Springer Series in Computational Neuroscience, 2015, , 3-39.	0.3	3
24835	Hydrogen storage in heat welded random CNT network structures. International Journal of Hydrogen Energy, 2015, 40, 403-411.	7.1	44
24836	Enhanced mechanical properties and viscoelastic characterizations of nanonecklace-reinforced carbon nanotube/copper composite films. Applied Surface Science, 2015, 326, 131-138.	6.1	13
24837	Electrocatalytic activity of multiwalled carbon nanotubes decorated by silver nanoparticles for the detection of halothane. Catalysis Today, 2015, 249, 265-269.	4.4	9
24838	Removal of sudan dyes from aqueous solution by magnetic carbon nanotubes: Equilibrium, kinetic and thermodynamic studies. Journal of Industrial and Engineering Chemistry, 2015, 22, 373-377.	5.8	40
24839	Characterization and thermal degradation kinetics of poly(ϵ -lactide) nanocomposites with carbon nanotubes. Polymer Engineering and Science, 2015, 55, 710-718.	3.1	5

#	ARTICLE	IF	CITATIONS
24840	Mechanical and electronic properties of carbon nanobuds: First-principles study. Solid State Communications, 2015, 203, 58-62.	1.9	22
24841	Synthesis of poly(m-phenylenediamine)/iron oxide/acid oxidized multi-wall carbon nanotubes for removal of hexavalent chromium. RSC Advances, 2015, 5, 2266-2275.	3.6	38
24842	Mechanical behavior of high density polyethylene and its carbon nanocomposites under quasi-static and dynamic compressive and tensile loadings. Polymer Testing, 2015, 41, 106-116.	4.8	13
24843	In search of molecular scale devices: Theoretical study of linearly fused straight single-walled carbon nanotube junctions based on the pentagon/heptagon pair defects. Computational Materials Science, 2015, 98, 201-210.	3.0	5
24844	Seebeck Effect and Mechanical Properties of Carbon Nanotube-Carbon Fiber/Cement Nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 383-391.	2.1	50
24845	Changes of structure and electrical conductivity of multi-walled carbon nanotubes film caused by 3MeV proton irradiation. Applied Surface Science, 2015, 325, 235-241.	6.1	11
24846	Carbon nanotube gas sensor array for multiplex analyte discrimination. Sensors and Actuators B: Chemical, 2015, 207, 833-842.	7.8	19
24847	Novel ring structure for minimisation of screening effect in carbon nanotube based field emitters. Journal of Experimental Nanoscience, 2015, 10, 45-55.	2.4	6
24848	Microwave-Assisted Functionalization of Carboxylated Multi-walled Carbon Nanotubes with Isatin Derivatives. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 332-338.	2.1	1
24849	Bulk synthesis of green carbon nanomaterials from Desmostachya bipinnata for the development of functional polyurethane hybrid coatings. Progress in Organic Coatings, 2015, 79, 37-42.	3.9	18
24850	Engineered carbon nanotube field emission devices. , 2015, , 125-186.		15
24851	Morphology and thermal properties of environmental friendly nanocomposites using biodegradable poly(amide-imide) based on N-trimellitylimido-S-valine matrix reinforced by fructose-functionalized multi-walled carbon nanotubes. Colloid and Polymer Science, 2015, 293, 545-553.	2.1	4
24852	Effect of functionalisation of CNT in the preparation of HAp-CNT biocomposites. Ceramics International, 2015, 41, 3766-3774.	4.8	33
24853	Raman Spectroscopy, Modeling and Simulation Studies of Carbon Nanotubes. Progress in Optical Science and Photonics, 2015, , 1-20.	0.5	0
24854	Nanowires sheathed inside nanotubes: Manipulation, properties and applications. Progress in Materials Science, 2015, 70, 1-49.	32.8	26
24855	Graphene oxide-polyaniline-polypyrrole nanocomposite for a supercapacitor electrode. RSC Advances, 2015, 5, 3005-3010.	3.6	28
24856	Fluorescent labels in biosensors for pathogen detection. Critical Reviews in Biotechnology, 2015, 35, 82-93.	9.0	71
24857	Hygro-Thermo-Electric Properties of Carbon Nanotube Epoxy Nanocomposites with Agglomeration Effects. Mechanics of Advanced Materials and Structures, 2015, 22, 428-439.	2.6	30

#	ARTICLE	IF	CITATIONS
24858	Buckling and postbuckling of single-walled carbon nanotubes based on a nonlocal Timoshenko beam model. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2015, 95, 939-951.	1.6	25
24859	Low thermal conductivity in ultrathin carbon nanotube (2, 1). Scientific Reports, 2014, 4, 4917.	3.3	34
24860	A nonlocal rod model for axial vibration of double-walled carbon nanotubes including axial van der Waals force effects. JVC/Journal of Vibration and Control, 2015, 21, 3132-3154.	2.6	27
24861	Nonlocal vibration and instability analysis of embedded DWCNT conveying fluid under magnetic field with slip conditions consideration. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 349-363.	2.1	23
24862	Stability characteristics of single-walled boron nitride nanotubes. Archives of Civil and Mechanical Engineering, 2015, 15, 162-170.	3.8	39
24863	A new formulation to study in-plane vibration of curved carbon nanotubes conveying viscous fluid. JVC/Journal of Vibration and Control, 2015, 21, 2360-2371.	2.6	19
24864	Effect of proton irradiation on mechanical properties of low-density polyethylene/multiwalled carbon nanotubes composites. Polymer Composites, 2015, 36, 278-286.	4.6	7
24865	Fine-tuning control on CNT diameter distribution, length and density using thermal CVD growth at atmospheric pressure: an in-depth analysis on the role of flow rate and flow duration of acetylene (C ₂ H ₂) gas. Applied Nanoscience (Switzerland), 2015, 5, 19-28.	3.1	37
24866	A review on carbon nanotubes and graphene as fillers in reinforced polymer nanocomposites. Journal of Industrial and Engineering Chemistry, 2015, 21, 11-25.	5.8	1,143
24867	Nanostructuring effect of multi-walled carbon nanotubes on electrochemical properties of carbon foam as constructive electrode for lead acid battery. Applied Nanoscience (Switzerland), 2015, 5, 53-61.	3.1	11
24868	Electrochemical determination of captopril in the presence of acetaminophen, tryptophan, folic acid, and L-cysteine at the surface of modified carbon nanotube paste electrode. Ionics, 2015, 21, 239-250.	2.4	14
24869	Fabrication and thermal characteristics of functionalized carbon nanotubes impregnated polydimethylsiloxane nanocomposites. Journal of Composite Materials, 2015, 49, 995-1006.	2.4	24
24870	Engineering surface states of carbon dots to achieve controllable luminescence for solid-luminescent composites and sensitive Be ²⁺ detection. Scientific Reports, 2014, 4, .	3.3	544
24871	Individual and competitive adsorption of phenol and nickel onto multiwalled carbon nanotubes. Journal of Advanced Research, 2015, 6, 405-415.	9.5	124
24872	Microwave Conductivity of Sorted CNT Assemblies. Scientific Reports, 2015, 4, 3762.	3.3	17
24873	Preparation and Magnetic Properties of a Multi-Walled Carbon Nanotube-Iron Oxide Nanoparticle Composite. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 623-626.	2.1	15
24874	The biocomposite screen-printed biosensor based on immobilization of tyrosinase onto the carboxyl functionalised carbon nanotube for assaying tyramine in fish products. Journal of Food Engineering, 2015, 149, 1-8.	5.2	62
24875	Bending Behavior of a Carbon Nanotube with Internal Fluid Flow. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 431-436.	2.1	1

#	ARTICLE	IF	CITATIONS
24876	Ab-initio study of planar strain on electronic structure properties of graphene sheets with nanoholes. Indian Journal of Physics, 2015, 89, 23-29.	1.8	6
24877	Synthesis of Carbon Nanotubes and Nano-onions Using Electric Field Induced Needle-Pulsed Arc Discharge Plasma. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 98-104.	2.1	4
24878	Chaos in embedded fluid-conveying single-walled carbon nanotube under transverse harmonic load series. Nonlinear Dynamics, 2015, 79, 325-333.	5.2	40
24879	Thermal Effect on Vibration Characteristics of Armchair and Zigzag Single-Walled Carbon Nanotubes Using Nonlocal Parabolic Beam Theory. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 266-272.	2.1	29
24880	Functionalization of multiwalled carbon nanotubes with uniform polyurea coatings by molecular layer deposition. Carbon, 2015, 82, 470-478.	10.3	41
24881	Magnesium Hydride Doped on Single-Walled Carbon Nanotubes for Hydrogen Adsorption. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 175-180.	2.1	5
24882	Micromechanics of piezoelectric fuzzy fiber-reinforced composite. Mechanics of Materials, 2015, 81, 1-17.	3.2	44
24883	Effect of the Chirality on Critical Buckling Temperature of Zigzag Single-walled Carbon Nanotubes Using the Nonlocal Continuum Theory. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 518-522.	2.1	27
24884	Framed carbon nanostructures: Synthesis and applications in functional SPM tips. Ultramicroscopy, 2015, 148, 151-157.	1.9	22
24885	Surface Modification of Carbon Nanotubes with Combined UV and Ozone Treatments. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 11-16.	2.1	15
24886	Tunable scattering from liquid crystal devices using carbon nanotubes network electrodes. Nanoscale, 2015, 7, 330-336.	5.6	18
24887	Differential pulse voltammetric determination of methyl dopa using MWCNTs modified glassy carbon decorated with NiFe ₂ O ₄ nanoparticles. Ionics, 2015, 21, 1435-1444.	2.4	15
24888	Three-Dimensional Nitrogen-Doped Graphene Nanoribbons Aerogel as a Highly Efficient Catalyst for the Oxygen Reduction Reaction. Small, 2015, 11, 1423-1429.	10.0	114
24890	Synthesis and characterization of titanium oxide nanotubes and its performance in epoxy nanocomposite coating. Progress in Organic Coatings, 2015, 78, 83-89.	3.9	31
24891	A ternary nanocomposite electrode of polyoxometalate/carbon nanotubes/gold nanoparticles for electrochemical detection of hydrogen peroxide. Analyst, The, 2015, 140, 820-826.	3.5	34
24892	Graphene and carbon nanotube (CNT) in MEMS/NEMS applications. Microelectronic Engineering, 2015, 132, 192-206.	2.4	191
24893	Nanostructured ceria-based catalysts for soot combustion: Investigations on the surface sensitivity. Applied Catalysis B: Environmental, 2015, 165, 742-751.	20.2	234
24894	Elastic properties and buckling behavior of single-walled carbon nanotubes functionalized with diethyltoluenediamines using molecular dynamics simulations. Superlattices and Microstructures, 2015, 77, 54-63.	3.1	35

#	ARTICLE	IF	CITATIONS
24895	Dye-sensitized Solar Cell Counter Electrodes Based on Carbon Nanotubes. <i>ChemPhysChem</i> , 2015, 16, 53-65.	2.1	72
24896	Techniques for microscale patterning of zeolite-based thin films. <i>Microporous and Mesoporous Materials</i> , 2015, 203, 245-258.	4.4	11
24897	Impact behavior and fractographic study of carbon nanotubes grafted carbon fiber-reinforced epoxy matrix multi-scale hybrid composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015, 69, 124-131.	7.6	61
24898	Electroactive carbon nanoforms: a comparative study via sequential arylation and click chemistry reactions. <i>Nanoscale</i> , 2015, 7, 1193-1200.	5.6	26
24899	The effect of surface functionalization of carbon nanotubes on properties of natural rubber/carbon nanotube composites. <i>Polymer Composites</i> , 2015, 36, 2113-2122.	4.6	48
24900	Alkane separation using nanoporous graphene membranes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 1018-1024.	2.8	46
24901	Designing a nanostructure-based modified electrode as a biosensor for simultaneous determination of tryptophan and uric acid. <i>Analytical Methods</i> , 2015, 7, 466-471.	2.7	5
24902	Preparation and Application of Chitosan-Grafted Multiwalled Carbon Nanotubes in Matrix Solid-Phase Dispersion Extraction for Determination of Trace Acrylamide in Foods Through High-Performance Liquid Chromatography. <i>Food Analytical Methods</i> , 2015, 8, 1363-1371.	2.6	26
24903	Synthesis and analytical applications of molecularly imprinted polymers on the surface of carbon nanotubes: a review. <i>Mikrochimica Acta</i> , 2015, 182, 893-908.	5.0	94
24904	Synthesis, characterization, and description of influences on the stabilizing activity of antioxidant-functionalized multi-walled carbon nanotubes. <i>Carbon</i> , 2015, 81, 305-313.	10.3	16
24905	Influence of the structural configuration on the stability and magnetism in multivacancy graphene systems. <i>Computational Materials Science</i> , 2015, 97, 193-200.	3.0	10
24906	Carbon nanomaterials: multi-functional agents for biomedical fluorescence and Raman imaging. <i>Chemical Society Reviews</i> , 2015, 44, 4672-4698.	38.1	220
24907	Interaction of rare gas dimers in the confines of a carbon nanotube. <i>Chemical Physics Letters</i> , 2015, 618, 42-45.	2.6	19
24908	Electromechanical vibration of carbon nanocoils. <i>Carbon</i> , 2015, 81, 758-766.	10.3	25
24909	DFT studies on armchair (5, 5) SWCNT functionalization. Modification of selected structural and spectroscopic parameters upon two-atom molecule attachment. <i>Journal of Molecular Graphics and Modelling</i> , 2015, 55, 105-114.	2.4	12
24910	Synthesis of short graphene oxide nanoribbons for improved biomarker detection of Parkinson's disease. <i>Biosensors and Bioelectronics</i> , 2015, 67, 327-333.	10.1	28
24911	Nonlinear-elastic membrane-shell model for single-walled carbon nanotubes under uni-axial deformation. <i>Computational Materials Science</i> , 2015, 97, 237-244.	3.0	3
24912	Carbon Nanotube Network Embroidered Graphene Films for Monolithic All-Carbon Electronics. <i>Advanced Materials</i> , 2015, 27, 682-688.	21.0	62

#	ARTICLE	IF	CITATIONS
24913	Characterization of carbon nanotubes and analytical methods for their determination in environmental and biological samples: A review. <i>Analytica Chimica Acta</i> , 2015, 853, 77-94.	5.4	101
24914	Electroless nickel plating of arc discharge synthesized carbon nanotubes for metal matrix composites. <i>Applied Surface Science</i> , 2015, 324, 475-481.	6.1	53
24915	Toughening effect of multiwall carbon nanotubes on 3Y-TZP zirconia ceramics at cryogenic temperatures. <i>Ceramics International</i> , 2015, 41, 1303-1307.	4.8	14
24916	The power of one-pot: a hexa-component system containing π - π stacking, Ugi reaction and RAFT polymerization for simple polymer conjugation on carbon nanotubes. <i>Polymer Chemistry</i> , 2015, 6, 509-513.	3.9	48
24917	Mono-dispersed ultra-long single-walled carbon nanotubes as enabling components in transparent and electrically conductive thin films. <i>Carbon</i> , 2015, 82, 152-160.	10.3	24
24918	Concentration-dependent polyparameter linear free energy relationships to predict organic compound sorption on carbon nanotubes. <i>Scientific Reports</i> , 2014, 4, 3888.	3.3	37
24919	Detonation Synthesis of Carbon-Encapsulated Magnetic Nanoparticles. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 605-611.	2.1	5
24920	Responses of soil ammonia-oxidizing microorganisms to repeated exposure of single-walled and multi-walled carbon nanotubes. <i>Science of the Total Environment</i> , 2015, 505, 649-657.	8.0	27
24921	Facile preparation of graphene nanoribbon filled silicone rubber nanocomposite with improved thermal and mechanical properties. <i>Composites Part B: Engineering</i> , 2015, 69, 237-242.	12.0	114
24922	A Differential Pulse Voltammetric Sensor for Determination of Glutathione in Real Samples Using a Trichloro(terpyridine)ruthenium(III)/Multiwall Carbon Nanotubes Modified Paste Electrode. <i>IEEE Sensors Journal</i> , 2015, 15, 483-490.	4.7	16
24923	A layer-nanostructured assembly of PbS quantum dot/multiwalled carbon nanotube for a high-performance photoswitch. <i>Scientific Reports</i> , 2014, 4, 3777.	3.3	44
24924	Operation of a Carbon Nanotube Field Emitter Array in a Hall Effect Thruster Plume Environment. <i>IEEE Transactions on Plasma Science</i> , 2015, 43, 95-102.	1.3	9
24925	The role of catalytic nanoparticle pretreatment on the growth of vertically aligned carbon nanotubes by hot-filament chemical vapor deposition. <i>Thin Solid Films</i> , 2015, 575, 84-91.	1.8	7
24926	MWCNTs-cysteamine-Nafion modified gold electrode based on myoglobin for determination of hydrogen peroxide and nitrite. <i>Bioelectrochemistry</i> , 2015, 101, 126-131.	4.6	53
24927	Stir bar sorptive extraction of propranolol from plasma samples using a steel pin coated with a polyaniline and multiwall carbon nanotube composite. <i>Mikrochimica Acta</i> , 2015, 182, 323-330.	5.0	23
24928	Allotropes of Carbon and Carbon Nanotubes. , 2015, , 73-101.		11
24929	Carbon nanotube based biosensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 690-715.	7.8	407
24930	Affecting the morphology of silver deposition on carbon nanotube surface: From nanoparticles to dendritic (tree-like) nanostructures. <i>Materials Science and Engineering C</i> , 2015, 46, 232-238.	7.3	4

#	ARTICLE	IF	CITATIONS
24931	Flexible electronics based on inorganic nanowires. Chemical Society Reviews, 2015, 44, 161-192.	38.1	429
24932	A secretomics analysis reveals major differences in the macrophage responses towards different types of carbon nanotubes. Nanotoxicology, 2015, 9, 719-728.	3.0	29
24933	C30B15N15 Heterofullerene as a Potential Electronic Sensor for NO Detection. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 153-157.	2.1	4
24934	Is It Worth the Effort to Reinforce Polymers with Carbon Nanotubes?. , 2015, , 207-232.		4
24935	Binding of nucleobases with graphene and carbon nanotube: a review of computational studies. Journal of Biomolecular Structure and Dynamics, 2015, 33, 1567-1597.	3.5	34
24936	Mechanical analysis of functionally graded carbon nanotube reinforced composites: A review. Composite Structures, 2015, 120, 90-97.	5.8	559
24937	Nonlinear elastic properties of graphene sheet under finite deformation. Composite Structures, 2015, 119, 412-421.	5.8	31
24938	Adsorption of synthetic organic contaminants by carbon nanotubes: A critical review. Water Research, 2015, 68, 34-55.	11.3	261
24939	Comparing Three Different Composites Carbon Nanotubes/HA on Titanium Alloys Substrate. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 573-582.	2.1	3
24940	High thermal conductive m-xylylenediamine functionalized multiwall carbon nanotubes/epoxy resin composites. Journal of Applied Polymer Science, 2015, 132, .	2.6	5
24941	Graphene nanomaterials as biocompatible and conductive scaffolds for stem cells: impact for tissue engineering and regenerative medicine. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 1321-1338.	2.7	137
24942	Theoretical Prediction of Electronic Structure and Carrier Mobility in Single-walled MoS2 Nanotubes. Scientific Reports, 2014, 4, 4327.	3.3	58
24943	DFT study of oxygen adsorption on vacancy and Stone-Wales defected single-walled carbon nanotubes with Cr-doped. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 65, 77-83.	2.7	15
24944	Nanoindentation in polymer nanocomposites. Progress in Materials Science, 2015, 67, 1-94.	32.8	306
24945	A Review of the Application of CNTs in PEM Fuel Cells. International Journal of Green Energy, 2015, 12, 787-809.	3.8	36
24946	Synthesis of Highly Stable Graphene-Encapsulated Iron Nanoparticles for Catalytic Syngas Conversion. Particle and Particle Systems Characterization, 2015, 32, 29-34.	2.3	31
24947	Simultaneous speciation analysis of inorganic arsenic, chromium and selenium in environmental waters by 3-(2-aminoethylamino) propyltrimethoxysilane modified multi-wall carbon nanotubes packed microcolumn solid phase extraction and ICP-MS. Talanta, 2015, 131, 266-272.	5.5	161
24948	Electromagnetic Wave Absorbing Properties of Amorphous Carbon Nanotubes. Scientific Reports, 2014, 4, 5619.	3.3	148

#	ARTICLE	IF	CITATIONS
24949	Nanotechnology in the Security Systems. NATO Science for Peace and Security Series C: Environmental Security, 2015, , .	0.2	2
24950	Atomistic origin of radial corrugation in a few-walled carbon nanotubes: A molecular dynamics study. Physica E: Low-Dimensional Systems and Nanostructures, 2015, 65, 135-140.	2.7	4
24951	Carbon nanotube-reinforced hydroxyapatite composite and their interaction with human osteoblast in vitro. Human and Experimental Toxicology, 2015, 34, 548-556.	2.2	34
24952	Mechanics of nested spherical fullerenes inside multi-walled carbon nanotubes. European Journal of Mechanics, A/Solids, 2015, 49, 283-292.	3.7	12
24953	Application of Carbon Nanotubes for Plant Genetic Transformation. Springer Proceedings in Physics, 2015, , 233-255.	0.2	5
24954	Thermal transmittance of carbon nanotube networks: Guidelines for novel thermal storage systems and polymeric material of thermal interest. Renewable and Sustainable Energy Reviews, 2015, 41, 1028-1036.	16.4	35
24955	Enhanced critical heat flux with single-walled carbon nanotubes bonded on metal surfaces. Experimental Thermal and Fluid Science, 2015, 60, 138-147.	2.7	44
24956	Synthesis of carbon nanospheres using fallen willow leaves and adsorption of Rhodamine B and heavy metals by them. Environmental Science and Pollution Research, 2015, 22, 1408-1419.	5.3	43
24957	Solitons in Polymer Systems. Springer Series in Synergetics, 2015, , 171-241.	0.4	0
24958	Carbon-Doped (6,0) Single-Walled Boron-Phosphide Nanotubes: A DFT Investigation of Electronic Structure, Surface Electrostatic Potential and QTAIM Analysis. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 142-147.	2.1	1
24959	One-pot and Three-component Functionalization of Short Multi-walled Carbon Nanotubes with Isatoic Anhydride and Benzyl Amine and Their Effect on the MKN-45 and MCF7 Cancer Cells. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 500-508.	2.1	5
24960	Non-covalent functionalisation of single wall carbon nanotubes for efficient dye-sensitised solar cells. Journal of Power Sources, 2015, 274, 274-279.	7.8	23
24961	Investigations on Thermal Conductivity of Carbon Nanotubes Reinforced Composites. Experimental Heat Transfer, 2015, 28, 37-57.	3.2	15
24962	Production of CNTs and Risks to Health. , 2015, , 103-123.		2
24963	Extended isotherm and kinetics of binary system dye removal using carbon nanotube from wastewater. Desalination and Water Treatment, 2015, 54, 2777-2793.	1.0	10
24964	Enzymatic amplification detection of peanut allergen Ara h1 using a stem-loop DNA biosensor modified with a chitosan-multiwalled carbon nanotube nanocomposite and spongy gold film. Talanta, 2015, 131, 521-527.	5.5	29
24965	Carbon nanotube functionalization effects on thermal properties of multiwall carbon nanotube/polycarbonate composites. Polymer Composites, 2015, 36, 1242-1248.	4.6	14
24966	Heat Capacity of 1D Chains of Atom/Molecule Adsorbates in the Grooves of c-SWNT Bundles. Springer Proceedings in Physics, 2015, , 175-184.	0.2	2

#	ARTICLE	IF	CITATIONS
24967	Catalytic performance of carbon nanotubes in H ₂ O ₂ decomposition: Experimental and quantum chemical study. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 283-290.	9.4	41
24968	Ionic liquid modified multi-walled carbon nanotubes as lubricant additive. <i>Tribology International</i> , 2015, 81, 38-42.	5.9	70
24969	Nanotechnology to Nanomanufacturing. , 2015, , 1-13.		10
24970	Impedance analysis, dielectric relaxation, and electrical conductivity of multi-walled carbon nanotube-reinforced silicon elastomer nanocomposites. <i>Journal of Elastomers and Plastics</i> , 2015, 47, 394-415.	1.5	22
24971	Application of nanomaterials in microbial-cell biosensor constructions. <i>Chemical Papers</i> , 2015, 69, .	2.2	15
24972	Development of magnetic micro-solid phase extraction for analysis of phthalate esters in packaged food. <i>Food Chemistry</i> , 2015, 166, 275-282.	8.2	67
24973	An electrochemical sensor based on titanium oxideâ€“carbon nanotubes nanocomposite for simultaneous determination of hydroquinone and catechol. <i>Research on Chemical Intermediates</i> , 2015, 41, 3135-3146.	2.7	25
24974	Influences of carbon nanofillers on mechanical performance of epoxy resin polymer. <i>Applied Nanoscience (Switzerland)</i> , 2015, 5, 305-313.	3.1	36
24975	Headspace solid phase microextraction of volatile aromatic hydrocarbons using a steel wire coated with an electrochemically prepared nanocomposite consisting of polypyrrole, carbon nanotubes, and titanium oxide. <i>Mikrochimica Acta</i> , 2015, 182, 217-225.	5.0	31
24976	Amine functionalized magnetic carbon nanotube: synthesis and binary system dye removal. <i>Desalination and Water Treatment</i> , 2015, 56, 107-120.	1.0	5
24977	Microstructural characterization of MWCNTs/magnesium alloy composites fabricated by powder compact laser sintering. <i>Journal of Alloys and Compounds</i> , 2015, 620, 80-86.	5.5	21
24978	Structural and electronic properties of endohedral doped SWCNTs: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 65, 68-76.	2.7	9
24979	Electro-thermal vibration of a smart coupled nanobeam system with an internal flow based on nonlocal elasticity theory. <i>Physica B: Condensed Matter</i> , 2015, 456, 375-382.	2.7	14
24980	Encapsulation of copper and zinc oxide nanoparticles inside small diameter carbon nanotubes. <i>Microporous and Mesoporous Materials</i> , 2015, 202, 189-197.	4.4	15
24981	Electronic structures of double-walled armchair SiC nanotube under transverse electric fields. <i>Computational Materials Science</i> , 2015, 96, 28-32.	3.0	7
24982	Design and fabrication of molecularly imprinted polymer-based potentiometric sensor from the surface modified multiwalled carbon nanotube for the determination of lindane (Î³-hexachlorocyclohexane), an organochlorine pesticide. <i>Biosensors and Bioelectronics</i> , 2015, 64, 586-593.	10.1	85
24983	Electrochemical immunosensing using a nanostructured functional platform for determination of Î±-zearalanol. <i>Mikrochimica Acta</i> , 2015, 182, 531-538.	5.0	15
24984	Review of the influence of nanoparticles on thermal conductivity, nucleate pool boiling and critical heat flux. <i>Heat and Mass Transfer</i> , 2015, 51, 381-398.	2.1	21

#	ARTICLE	IF	CITATIONS
24985	Preparation of carbon microspheres decorated with silver nanoparticles and their ability to remove dyes from aqueous solution. <i>Journal of Hazardous Materials</i> , 2015, 283, 193-201.	12.4	62
24986	Structure, electronic and magnetic properties of hexagonal boron nitride sheets doped by 5d transition metal atoms: First-principles calculations and molecular orbital analysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 65, 24-29.	2.7	30
24987	Carbon nanotube-based lateral flow biosensor for sensitive and rapid detection of DNA sequence. <i>Biosensors and Bioelectronics</i> , 2015, 64, 367-372.	10.1	120
24988	Ultralow thermal conductivity and thermoelectric properties of carbon nanotubes doped Ca ₃ Co ₄ O ₉ +f. <i>Ceramics International</i> , 2015, 41, 961-965.	4.8	29
24989	Low temperature carbon nanotube and hexagonal diamond deposition with photo-enhanced chemical vapor deposition. <i>Microsystem Technologies</i> , 2015, 21, 1225-1231.	2.0	1
24990	Optimisation and analysis of the reinforcement effect of carbon nanotubes in a typical matrix system. <i>Meccanica</i> , 2015, 50, 461-478.	2.0	14
24991	Dynamic analysis of functionally graded nanocomposite cylinders reinforced by wavy carbon nanotube under an impact load. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 1062-1075.	2.6	25
24992	Thermo-mechanical vibration and instability of carbon nanocones conveying fluid using nonlocal Timoshenko beam model. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 604-618.	2.6	11
24993	A compact analytical method for vibration analysis of single-walled carbon nanotubes with restrained boundary conditions. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 2542-2555.	2.6	28
24994	The elliptic phenomenon effect of cross section on the torsional buckling of a nanocomposite beam reinforced by a single-walled carbon nanotube. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems</i> , 2016, 230, 55-67.	0.6	0
24995	Smart damping of fuzzy fiber reinforced composite plates using 1-3 piezoelectric composites. <i>JVC/Journal of Vibration and Control</i> , 2016, 22, 1526-1546.	2.6	48
24996	Drug delivery and nanodetection in lung cancer. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2016, 44, 618-634.	2.8	21
24997	Synthesis of CNTs/CuO and its catalytic performance on the thermal decomposition of ammonium perchlorate. <i>Journal of Saudi Chemical Society</i> , 2016, 20, 343-348.	5.2	59
24998	High-Quality Carbon Nanomaterials Synthesized by Excimer Laser Ablation. , 0, , .		1
24999	Scientometric overview regarding the nanobiomaterials in antimicrobial therapy. , 2016, , 511-535.		7
25000	Electronic Structure and Topological Quantum Phase Transitions in Strained Graphene Nanoribbons. , 0, , .		0
25001	Functionalization of Carbon Nanotubes with Stimuli- Responsive Molecules and Polymers. , 0, , .		1
25003	OPTIMIZING FLAME SYNTHESIS OF CARBON NANOTUBES: EXPERIMENTAL AND MODELLING PERSPECTIVES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.4	3

#	ARTICLE	IF	CITATIONS
25004	Methodology to Obtain and Study Geometries of Single and Double Wall Silicon Carbide Nanotubes. Current Physical Chemistry, 2016, 6, 60-80.	0.2	3
25005	Facile PVP-Assisted Synthesis of MnO@MWNT Composites and their Application in Supercapacitors. International Journal of Electrochemical Science, 2016, 11, 7453-7460.	1.3	14
25006	A new perspective on hierarchical structure to analyse strength limiting factors of CNT yarns. International Journal of Sustainable Materials and Structural Systems, 2016, 2, 308.	0.1	0
25007	The Preparation and Properties of NBR/CNTs Nanocomposites by Emulsion Method. MATEC Web of Conferences, 2016, 67, 06005.	0.2	0
25008	Radiolabeling, whole-body single photon emission computed tomography/computed tomography imaging, and pharmacokinetics of carbon nanohorns in mice. International Journal of Nanomedicine, 2016, Volume 11, 3317-3330.	6.7	9
25009	Nanostructured scaffold and its bioactive potentials in bone tissue engineering. , 2016, , 241-270.		3
25010	Study on the Properties of Carbon Reinforced Unsaturated Thermoset Polyester Resin Nanocomposites. SSRN Electronic Journal, 2016, , .	0.4	1
25011	Nanotechnology and Treatment of Cardiovascular Disease: A Review of Nanoscale Innovations for Regenerative Therapy. Current Nanomedicine, 2016, 6, 4-12.	0.6	1
25012	Nanoarchitected Biomaterials: Present Status and Future Prospects in Drug Delivery. , 2016, , 35-66.		5
25013	Electronic and Optoelectronic Properties and Applications of Carbon Nanotubes. , 2016, , .		0
25014	Mechanical Properties of Carbon Nanotubes-Polymer Composites. , 0, , .		15
25015	Whiskers and Particulates. , 2016, , .		3
25016	Scientometric overview regarding the surface chemistry of nanobiomaterials. , 2016, , 463-486.		6
25017	Multiwalled Carbon nanotube “ Strength to polymer composite. Physical Sciences Reviews, 2016, 1, .	0.8	5
25018	Microstructure and Microhardness of Carbon Nanotube-Silicon Carbide/Copper Hybrid Nanocomposite Developed by Powder Metallurgy. Indian Journal of Science and Technology, 2016, 9, .	0.7	9
25019	Modification of the Interfacial Interaction between Carbon Fiber and Epoxy with Carbon Hybrid Materials. Nanomaterials, 2016, 6, 89.	4.1	30
25020	An Overview of Membrane Science and Technology. , 2016, , 1-23.		27
25021	Natural Hematite as a Low-Cost and Earth-Abundant Cathode Material for Performance Improvement of Microbial Fuel Cells. Catalysts, 2016, 6, 157.	3.5	18

#	ARTICLE	IF	CITATIONS
25022	Carbon Nanotubes Supported Conducting Polymer Electrode for Supercapacitor. , 2016, , .		1
25023	Development of a Multiscale Strategy and Application to Chemical Vapor Deposition. Computer Aided Chemical Engineering, 2016, 39, 95-123.	0.5	5
25026	Adsorption of Cytosine on Single-walled Carbon Nanotubes. Journal of Nanomedicine & Nanotechnology, 2016, 07, .	1.1	2
25027	Fabrication and Applications of Tailored Carbon Capsules. Nanoscience and Nanotechnology - Asia, 2016, 6, 66-79.	0.7	1
25028	Deposition of Au Nanoparticles onto Poly(3,4-ethylenedioxy - thiophene) Functionalized Multi-Walled Carbon Nanotubes for Label-Free Immunosensing. International Journal of Electrochemical Science, 2016, , 9614-9624.	1.3	0
25029	A Study on Equivalent Spherical Structure of Buckyball-C 60 Based on Continuum Shell Model. Latin American Journal of Solids and Structures, 2016, 13, 1016-1029.	1.0	10
25030	Optical, Mechanical, and Electrical Properties of Polymer Composites Doped by Multiwalled Carbon Nanotubes. , 2016, , .		2
25032	Nanofluids Based on Carbon Nanostructures. , 0, , .		3
25033	Rheological Properties of Carbon Nanofiber-Filled Polyamide Composites and Blend of these Composites and TPE. , 0, , .		2
25034	Modification of Carbon Nanotubes with Electronegativity Molecules to Control the Adhesion of Low Density Lipoprotein. Biochemistry & Physiology, 2016, 5, .	0.2	1
25035	Nanotribology and Nanoscale Materials Coatings for Lubricants. , 2016, , .		1
25037	Investigations of Electron Properties of Carbon Nanotubes Decorated with Platinum Nanoparticles with Their Varying Fraction. Journal of Nanomaterials, 2016, 2016, 1-8.	2.7	8
25038	Potential of Using Nanocarbons to Stabilize Weak Soils. Applied and Environmental Soil Science, 2016, 2016, 1-9.	1.7	58
25039	Benzene Removal by Iron Oxide Nanoparticles Decorated Carbon Nanotubes. Journal of Nanomaterials, 2016, 2016, 1-10.	2.7	28
25040	Diagnosis and Treatment of Neurological and Ischemic Disorders Employing Carbon Nanotube Technology. Journal of Nanomaterials, 2016, 2016, 1-19.	2.7	24
25041	Enhanced Structural, Thermal, and Electrical Properties of Multiwalled Carbon Nanotubes Hybridized with Silver Nanoparticles. Journal of Nanomaterials, 2016, 2016, 1-9.	2.7	22
25042	Parametric Study of Strain Rate Effects on Nanoparticle-Reinforced Polymer Composites. Journal of Nanomaterials, 2016, 2016, 1-9.	2.7	9
25043	Micro/Nanostructure and Tribological Characteristics of Pressureless Sintered Carbon Nanotubes Reinforced Aluminium Matrix Composites. Journal of Nanomaterials, 2016, 2016, 1-10.	2.7	23

#	ARTICLE	IF	CITATIONS
25044	Nanoscale Continuum Modelling of Carbon Nanotubes by Polyhedral Finite Elements. Journal of Nanomaterials, 2016, 2016, 1-9.	2.7	2
25045	Properties of the Free-Standing Two-Dimensional Copper Monolayer. Journal of Nanomaterials, 2016, 2016, 1-6.	2.7	13
25046	Carbon Nanotubes in Cementitious Composites: Dispersion, Implementation, and Influence on Mechanical Characteristics. Advances in Materials Science and Engineering, 2016, 2016, 1-6.	1.8	19
25047	Sunlight-Induced Photochemical Degradation of Methylene Blue by Water-Soluble Carbon Nanorods. International Journal of Photoenergy, 2016, 2016, 1-8.	2.5	40
25048	Modified Sol-Gel Synthesis of Carbon Nanotubes Supported Titania Composites with Enhanced Visible Light Induced Photocatalytic Activity. Journal of Nanomaterials, 2016, 2016, 1-6.	2.7	2
25049	Reinforcement of Multiwalled Carbon Nanotube in Nitrile Rubber: In Comparison with Carbon Black, Conductive Carbon Black, and Precipitated Silica. Journal of Nanomaterials, 2016, 2016, 1-8.	2.7	28
25050	Surface Modification Chemistries of Materials Used in Diagnostic Platforms with Biomolecules. Journal of Chemistry, 2016, 2016, 1-19.	1.9	51
25051	Nitrogen-Doped Carbon Nanotube/Polymer Nanocomposites Towards Thermoelectric Applications. , 0, , .		1
25052	Room temperature preparation of Pt-decorated MWCNTs by using proton beam irradiation. Journal of the Korean Physical Society, 2016, 69, 1125-1129.	0.7	0
25053	A super-growth method for single-walled carbon nanotube synthesis. Synthesiology, 2016, 9, 165-177.	0.2	5
25054	Multifunctional carbon nanotubes in cancer therapy and imaging. , 2016, , 421-453.		3
25055	Nitrogen-Doped Carbon Composites as Metal-Free Catalysts. , 2016, , 273-311.		0
25056	Single-walled carbon nanotubes functionalized with sodium hyaluronate enhance bone mineralization. Brazilian Journal of Medical and Biological Research, 2016, 49, e4888.	1.5	14
25057	2D-Based Nanofluids: Materials Evaluation and Performance. , 2016, , .		0
25058	Nanomaterials in drug delivery. , 2016, , 197-228.		2
25059	Scientometric overview regarding the nanobiomaterials in dentistry. , 2016, , 425-453.		6
25060	Separation/Preconcentration Techniques for Rare Earth Elements Analysis. ChemistrySelect, 2016, 1, .	1.5	5
25061	Nanomaterials for Neurology: State-of-the-Art. CNS and Neurological Disorders - Drug Targets, 2016, 15, 1306-1324.	1.4	12

#	ARTICLE	IF	CITATIONS
25062	Scientometric overview regarding nanoemulsions used in the food industry. , 2016, , 689-711.		2
25063	In situ sensing in glass fiber-reinforced polymer composites via embedded carbon nanotube thin films. , 2016, , 327-352.		1
25064	Scientometric Overview in Nanobiodrugs. , 2016, , 405-428.		4
25065	Carbon Nanomaterials Interfacing with Neurons: An In vivo Perspective. Frontiers in Neuroscience, 2016, 10, 250.	2.8	89
25066	Interfacing Cultured Neurons to Microtransducers Arrays: A Review of the Neuro-Electronic Junction Models. Frontiers in Neuroscience, 2016, 10, 282.	2.8	51
25067	A Review of Double-Walled and Triple-Walled Carbon Nanotube Synthesis and Applications. Applied Sciences (Switzerland), 2016, 6, 109.	2.5	44
25068	Horizontally Aligned Carbon Nanotube Based Biosensors for Protein Detection. Bioengineering, 2016, 3, 23.	3.5	21
25069	Comparative Kinetic Study of Removal of Pb ²⁺ Ions and Cr ³⁺ Ions from Waste Water using Carbon Nanotubes Produced using Microwave Heating. Journal of Carbon Research, 2016, 2, 7.	2.7	11
25070	Tuning CNT Properties for Metal-Free Environmental Catalytic Applications. Journal of Carbon Research, 2016, 2, 17.	2.7	17
25071	Simple Process for Sidewall Modification of Multi-Walled Carbon Nanotubes with Polymer Side Chain Radicals Generated by Ultraviolet-Induced C-Cl Bond Dissociation of Polystyrene Derivatives. Journal of Carbon Research, 2016, 2, 20.	2.7	4
25072	Recent Trends in Field-Effect Transistors-Based Immunosensors. Chemosensors, 2016, 4, 20.	3.6	78
25073	Nanofibers: Friend or Foe?. Fibers, 2016, 4, 25.	4.0	2
25074	Effect of Initial Aluminum Alloy Particle Size on the Damage of Carbon Nanotubes during Ball Milling. Materials, 2016, 9, 173.	2.9	8
25075	Mechanical Properties and Durability of Ultra High Strength Concrete Incorporating Multi-Walled Carbon Nanotubes. Materials, 2016, 9, 419.	2.9	55
25076	Effects of Acoustic Modulation and Mixed Fuel on Flame Synthesis of Carbon Nanomaterials in an Atmospheric Environment. Materials, 2016, 9, 939.	2.9	4
25077	Sintering Behaviors of Carbon Nanotubes-Aluminum Composite Powders. Metals, 2016, 6, 213.	2.3	24
25078	Carbon-Based Materials for Photo-Triggered Theranostic Applications. Molecules, 2016, 21, 1585.	3.8	47
25079	Nano-Welding of Multi-Walled Carbon Nanotubes on Silicon and Silica Surface by Laser Irradiation. Nanomaterials, 2016, 6, 36.	4.1	22

#	ARTICLE	IF	CITATIONS
25080	Carbon Nanotube (CNT) Honeycomb Cell Area-Dependent Optical Reflectance. Nanomaterials, 2016, 6, 202.	4.1	4
25081	Mechatronic Development and Vision Feedback Control of a Nanorobotics Manipulation System inside SEM for Nanodevice Assembly. Sensors, 2016, 16, 1479.	3.8	13
25082	Conducting Polymers and Their Applications in Diabetes Management. Sensors, 2016, 16, 1787.	3.8	25
25083	A super-growth method for single-walled carbon nanotube synthesis. Synthesiology, 2016, 9, 167-179.	0.2	5
25084	Detecting structural changes in the nanocarbon domain based on the time distribution of text information of academic papers. , 2016, , .		0
25086	Interactions between Carbon Nanomaterials and Biomolecules. Journal of Oleo Science, 2016, 65, 1-7.	1.4	52
25087	Carbon Nanotubes-Hydroxyapatite Nanocomposites for an Improved Osteoblast Cell Response. Journal of Nanomaterials, 2016, 2016, 1-10.	2.7	25
25088	Study on Utilization of Carboxyl Group Decorated Carbon Nanotubes and Carbonation Reaction for Improving Strengths and Microstructures of Cement Paste. Nanomaterials, 2016, 6, 153.	4.1	22
25089	Humidity Sensing Properties of Multiwalled Carbon NanotubePolyvinyl Alcohol Nanocomposite Films. Nanoscience and Nanotechnology - Asia, 2016, 6, 128-134.	0.7	6
25090	Mechanical coupled vibrations in an individual double-walled carbon nanotube. EPJ Applied Physics, 2016, 74, 24605.	0.7	18
25091	Carbon nanotubes as cancer therapeutic carriers and mediators. International Journal of Nanomedicine, 2016, Volume 11, 5163-5185.	6.7	193
25092	Boron nitride nanotubes in nanomedicine: historical and future perspectives. , 2016, , 201-217.		2
25093	Bacterial NanoCellulose Aerogels. , 2016, , 73-108.		4
25094	Solution Processing of Low-Dimensional Nanostructured Titanium Dioxide. , 2016, , 475-496.		2
25095	Reasons and remedies for the agglomeration of multilayered graphene and carbon nanotubes in polymers. Beilstein Journal of Nanotechnology, 2016, 7, 1174-1196.	2.8	215
25096	Carbon Nanotube-Based Polymer Composites: Synthesis, Properties and Applications. , 0, , .		62
25097	Structural and physical properties of boron nitride nanotubes and their applications in nanocomposites. , 2016, , 183-199.		8
25098	Synthesis and applications of carbon nanomaterials for energy generation and storage. Beilstein Journal of Nanotechnology, 2016, 7, 149-196.	2.8	118

#	ARTICLE	IF	CITATIONS
25099	Fuel Cells: Microsystems. , 2016, , .		0
25100	The self-heating carbon nanofiber polymer composite and its applications in deicing and snow thawing of pavement. , 2016, , 247-277.		4
25101	Bio-inspired Design and Fabrication of Super-Strong and Multifunctional Carbon Nanotube Composites. , 2016, , .		2
25102	Photosensitive microcapsules. Physical Sciences Reviews, 2016, 1, .	0.8	0
25103	Electronic Transport Through N24B24Molecular Junction. Chinese Journal of Chemical Physics, 2016, 29, 223-228.	1.3	2
25104	Oral Squamous Cell Carcinoma: Current Treatment Strategies and Nanotechnology-Based Approaches for Prevention and Therapy. Critical Reviews in Therapeutic Drug Carrier Systems, 2016, 33, 363-400.	2.2	130
25105	Engineered Polymers for Preventing Electrostatic Discharge in Packaging. SSRN Electronic Journal, 0, , .	0.4	1
25106	Electrospinning Functional Polyacrylonitrile Nanofibers with Polyaniline, Carbon Nanotubes, and Silver Nitrate as Additives. , 0, , .		5
25108	Comparative study on high-strength structural elements and CNT additions. Revista De La Construccin, 2016, 15, 88-97.	0.5	1
25109	Flexible Low-Voltage Carbon Nanotube Heaters and their Applications. , 2016, , .		3
25110	Development of carbon nanofiber aggregate for concrete strain monitoring. , 2016, , 9-45.		4
25111	Applications of Carbon Nanotubes and Their Polymer Nanocomposites for Gas Sensors. , 2016, , .		4
25112	Biodegradable Polylactide-Based Composites. , 2016, , .		1
25113	Electrochemical and electromechanical properties of superior-performance hybrid polymer actuators exhibiting synergistic effects due to manganese oxide and multi-walled carbon nanotubes on various ionic liquids. RSC Advances, 2016, 6, 66360-66367.	3.6	3
25114	Multiple Dirac cones in BN co-doped h^2 -graphyne. Journal of Materials Chemistry C, 2016, 4, 7339-7344.	5.5	14
25115	Some methods to regulate low-bias negative differential resistance in $\text{I}\bar{\text{f}}$ barrier separating nanoscale molecular transport systems. International Journal of Modern Physics B, 2016, 30, 1550256.	2.0	2
25116	Nonlocal divergence and flutter instability analysis of embedded fluid-conveying carbon nanotube under magnetic field. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	43
25117	(1-Butyl-3-methylimidazolium Hexafluorophosphate) Based Sensor for Quantification of Eugenol Antioxidant. Electroanalysis, 2016, 28, 2598-2605.	2.9	10

#	ARTICLE	IF	CITATIONS
25118	Density functional theory study on the possibility of Si, Ge, and Sn-doped carbon nanotubes as efficient support materials for platinum. International Journal of Quantum Chemistry, 2016, 116, 515-523.	2.0	4
25119	The Application of Graphene and Its Derivatives to Energy Conversion, Storage, and Environmental and Biosensing Devices. Chemical Record, 2016, 16, 1591-1634.	5.8	58
25120	Linking physiology and biomineralization processes to ecological inferences on the life history of fishes. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 202, 123-140.	1.8	68
25121	Actuation mechanisms of carbon nanotube-based architectures. Proceedings of SPIE, 2016, , .	0.8	0
25122	Nanoscale Engineering of Heterostructured Anode Materials for Boosting Lithium-ion Storage. Advanced Materials, 2016, 28, 7580-7602.	21.0	224
25123	Toward High-Performance Carbon Nanotube Photovoltaic Devices. Advanced Energy Materials, 2016, 6, 1600522.	19.5	28
25124	A New, Simple and Versatile Strategy for the Synthesis of Short Segments of Zigzag-Type Carbon Nanotubes. Chemistry - A European Journal, 2016, 22, 3105-3114.	3.3	15
25125	Catalyst-Related Dispersion of Multiwalled Carbon Nanotubes by Simple Ultrasonication. Bulletin of the Korean Chemical Society, 2016, 37, 174-178.	1.9	2
25126	Poly(vinyl chloride)/single wall carbon nanotubes composites: Investigation of mechanical and thermal characteristics. Journal of Vinyl and Additive Technology, 2016, 22, 128-133.	3.4	17
25127	Nano-Enabled Approaches for Stem Cell-Based Cardiac Tissue Engineering. Advanced Healthcare Materials, 2016, 5, 1533-1553.	7.6	50
25128	Possible mechanism of BN fullerene formation from a boron cluster: Density-functional tight-binding molecular dynamics simulations. Journal of Computational Chemistry, 2016, 37, 886-895.	3.3	11
25129	Effect of surface functionalization on the properties (rheological, mechanical, and dielectric) and microtopography of PEN/CPEN-f-CNTs nanocomposites. Polymer Composites, 2016, 37, 2622-2631.	4.6	5
25130	Oscillators based on double-walled armchair@zigzag carbon nanotubes containing inner tubes with different helical rises. Nanotechnology, 2016, 27, 095705.	2.6	8
25131	Nanoparticles. Engineering Materials and Processes, 2016, , 5-33.	0.4	0
25132	Electrically Conductive Materials for Nerve Regeneration. , 2016, , 145-179.		2
25133	Preparation of liquid crystal 4'-allyloxy-biphenyl-4-ol functionalized MWCNTs and their application on improving mechanical and thermal properties of silicon resin. Polymer Engineering and Science, 2016, 56, 1118-1124.	3.1	2
25134	Orientation and mechanical properties of laser-induced photothermally drawn fibers composed of multiwalled carbon nanotubes and poly(ethylene terephthalate). Journal of Polymer Science, Part B: Polymer Physics, 2016, 54, 603-609.	2.1	5
25135	1D/2D Carbon Nanomaterial-Polymer Dielectric Composites with High Permittivity for Power Energy Storage Applications. Small, 2016, 12, 1688-1701.	10.0	405

#	ARTICLE	IF	CITATIONS
25136	Making graphene nanoribbons: a theoretical exploration. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2016, 6, 243-254.	14.6	13
25137	Neural Engineering. , 2016, , .		8
25138	Hydrothermal synthesis of manganese oxide encapsulated multiporous carbon nanofibers for supercapacitors. Nano Research, 2016, 9, 2672-2680.	10.4	41
25139	Nanostructured water and carbon dioxide inside collapsing carbon nanotubes at high pressure. Physical Chemistry Chemical Physics, 2016, 18, 19926-19932.	2.8	16
25140	Multiwalled carbon nanotubes enter broccoli cells enhancing growth and water uptake of plants exposed to salinity. Journal of Nanobiotechnology, 2016, 14, 42.	9.1	167
25141	Effects of diameter and aspect ratio of carbon nanotubes on crystalline and electrical properties of poly(ethylene terephthalate) nanocomposites. Polymer Engineering and Science, 2016, 56, 408-417.	3.1	6
25142	Electro-oxidation and Determination of Tripeleennamine Hydrochloride at MWCNT-CTAB Modified Glassy Carbon Electrode. Electroanalysis, 2016, 28, 523-532.	2.9	6
25143	Review on use of phase change materials in battery thermal management for electric and hybrid electric vehicles. International Journal of Energy Research, 2016, 40, 1011-1031.	4.5	183
25144	Synthesis and Characterization of Europium-exchanged Titanate Nanoporous Phosphors. Journal of the Chinese Chemical Society, 2016, 63, 233-238.	1.4	2
25145	Preparation of novel high copper ions removal membranes by embedding organosilane-functionalized multi-walled carbon nanotube. Journal of Chemical Technology and Biotechnology, 2016, 91, 2322-2330.	3.2	49
25146	Morphology adjustments of multi-walled carbon nanotubes by laser irradiation. Laser Physics Letters, 2016, 13, 066001.	1.4	11
25147	Supramolecular Nanocomposites: Dispersion of Zero-, One- and Two-dimensional Nanoparticles in Discotic Liquid Crystals. Journal of Physics: Conference Series, 2016, 704, 012022.	0.4	1
25148	The effectiveness of electron beam irradiation to reduce or eliminate mould in cork stoppers. International Journal of Food Science and Technology, 2016, 51, 389-395.	2.7	3
25149	Design und Synthese von Kohlenstoffnanoröhrensegmenten. Angewandte Chemie, 2016, 128, 5222-5245.	2.0	95
25150	Isostructural Synthesis of Dissectible Molecular Bamboo Tubes of Hexarhenium(II) Benzene-1,2,3,4,5,6-hexaolate Complexes. Angewandte Chemie - International Edition, 2016, 55, 8343-8347.	13.8	28
25151	Characterization of multiwalled carbon nanotube filled, palm-oil-based polyalkyds: Effects of loading and <i>in situ</i> reaction. Journal of Applied Polymer Science, 2016, 133, .	2.6	14
25152	Effect of initial state on dispersion evolution of carbon nanotubes in aluminium matrix composites during a high-energy ball milling process. Powder Metallurgy, 2016, 59, 216-222.	1.7	11
25153	Biomimetic Solid-State Nanochannels: From Fundamental Research to Practical Applications. Small, 2016, 12, 2810-2831.	10.0	150

#	ARTICLE	IF	CITATIONS
25154	Nonlinear vibrations and energy exchange of single-walled carbon nanotubes. Circumferential flexural modes. Journal of Sound and Vibration, 2016, 381, 156-178.	3.9	28
25155	Synthesis of Semiconductor Nanocrystals, Focusing on Nontoxic and Earth-Abundant Materials. Chemical Reviews, 2016, 116, 10731-10819.	47.7	469
25156	Effect of Different Parameters on Properties of Multiwalled Carbon Nanotube-Reinforced Cement Composites. Arabian Journal for Science and Engineering, 2016, 41, 4835-4845.	1.1	14
25157	Acoustic emission investigation of the mechanical performance of carbon nanotube-modified cement-based mortars. Construction and Building Materials, 2016, 122, 518-524.	7.2	42
25158	Finite-Size Effects in the Absorption Spectra of a Single-Wall Carbon Nanotube. Journal of Physical Chemistry C, 2016, 120, 18268-18274.	3.1	9
25159	Sensor Properties of Pristine and Functionalized Carbon Nanohorns. Electroanalysis, 2016, 28, 2489-2499.	2.9	23
25160	Interaction mechanism between serine functional groups and single-walled carbon nanotubes. Journal of Physical Organic Chemistry, 2016, 29, 69-76.	1.9	4
25161	Fabrication of photostable ternary CdS/MoS ₂ /MWCNTs hybrid photocatalysts with enhanced H ₂ generation activity. Applied Catalysis A: General, 2016, 525, 9-22.	4.3	44
25162	Theoretical study of electronic and vibrational properties of dimer of single-wall carbon nanotubes. International Journal of Hydrogen Energy, 2016, 41, 20874-20879.	7.1	12
25163	Micromechanical investigation of creep-recovery behavior of carbon nanotube-reinforced polymer nanocomposites. International Journal of Mechanical Sciences, 2016, 115-116, 45-55.	6.7	75
25164	Synthesis and characterization of Co-Ni and Fe-Ni alloy nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 420, 39-44.	2.3	21
25165	Formation of Curvature Subunit of Carbon in Combustion. Journal of the American Chemical Society, 2016, 138, 9629-9633.	13.7	25
25166	Semiconductive Nanotube Array Constructed from Giant [Pb ^{II} ₁₈ (I ₅₄ (I ₂) ₉)] Wheel Clusters. Angewandte Chemie - International Edition, 2016, 55, 514-518.	13.8	98
25167	Modification of pristine multiwalled carbon nanotube by grafting with poly(methyl methacrylate) using benzoyl peroxide initiator. Journal of Applied Polymer Science, 2016, 133, .	2.6	0
25168	Palladium Supported on Carbon Nanotubes for Methane Catalytic Oxidation. Chemical Engineering and Technology, 2016, 39, 960-968.	1.5	1
25169	Synthesis of Three-Dimensional Butterfly Slit-Cyclobisazaanthracenes and Hydrazinobisanthenes through One-Step Cyclodimerization and Their Properties. Chemistry - A European Journal, 2016, 22, 663-671.	3.3	38
25170	Synthetic Developments of Nontoxic Quantum Dots. ChemPhysChem, 2016, 17, 598-617.	2.1	80
25171	A Sensitive Biosensor for Determination of Cu ²⁺ by One-Step Electrodeposition. Electroanalysis, 2016, 28, 1617-1624.	2.9	11

#	ARTICLE	IF	CITATIONS
25172	Aerosol-Assisted Chemical Vapor Deposition of Multi-Walled Carbon Nanotubes on Steel Substrates for Application in Supercapacitors. Advanced Engineering Materials, 2016, 18, 1059-1065.	3.5	9
25173	Carbon Nanomaterials in Different Dimensions for Electrochemical Energy Storage. Advanced Energy Materials, 2016, 6, 1600278.	19.5	219
25174	Nanostructured Anode Materials for Lithium Ion Batteries: Progress, Challenge and Perspective. Advanced Energy Materials, 2016, 6, 1600374.	19.5	383
25175	Platinfreie Nanomaterialien für die Sauerstoffreduktion. Angewandte Chemie, 2016, 128, 2698-2726.	2.0	87
25177	Earth-Abundant Nanomaterials for Oxygen Reduction. Angewandte Chemie - International Edition, 2016, 55, 2650-2676.	13.8	926
25178	An in situ tensile test device for thermo-mechanical characterisation of interfaces between carbon nanotubes and metals. , 2016, , .		1
25179	Platinum nanoparticles-single-walled carbon nanotubes hybrid based chemiresistive sensor array for myoglobin detection. Materials Research Express, 2016, 3, 035006.	1.6	3
25180	Extrapolation method to calculate the total polarizability of long-chain compounds on the example of single-wall carbon nanotubes. Proceedings of SPIE, 2016, , .	0.8	0
25181	Intraperitoneal Injection Is Not a Suitable Administration Route for Single-Walled Carbon Nanotubes in Biomedical Applications. Dose-Response, 2016, 14, 155932581668132.	1.6	4
25182	A computational study on the electronic and nonlinear optical properties of graphyne subunit. AIP Conference Proceedings, 2016, , .	0.4	1
25183	Ultra-low frequency Raman spectroscopy of SWNTs under high pressure. Proceedings of SPIE, 2016, , .	0.8	0
25184	Investigation of crystallinity and planar defects in the Si nanowires grown by vapor-liquid-solid mode using indium catalyst for solar cell applications. Japanese Journal of Applied Physics, 2016, 55, 01AE03.	1.5	7
25185	A Review on the Preparation of Borazine-Derived Boron Nitride Nanoparticles and Nanopolyhedrons by Spray-Pyrolysis and Annealing Process. Nanomaterials and Nanotechnology, 2016, 6, 1.	3.0	119
25186	Damage of single-wall carbon nanotube network structure under electric current loading. Mechanical Engineering Journal, 2016, 3, 16-00292-16-00292.	0.4	1
25187	Temperature dependence of axial thermal expansion coefficient of multi-walled carbon nanotubes (A) $T_j \text{ ETQq0 0 0 rgBT /Overlock 10 Tf}$	0.2	2
25188	Effect of Multi Wall Carbon Nanotube Content on The Electrical and Rheological Properties of Polypropylene-based Nanocomposites. MATEC Web of Conferences, 2016, 78, 01092.	0.2	0
25190	Ecotoxicology of Carbon Nanotubes Toward Amphibian Larvae. , 2016, , 931-940.		0
25191	Selective heterogeneous nucleation of gold nanoparticles on one-dimensional cadmium silicate for enhanced nonlinear optical responses. RSC Advances, 2016, 6, 114078-114085.	3.6	2

#	ARTICLE	IF	CITATIONS
25192	Lattice Boltzmann Methods for Nanofluidics. , 2016, , 1771-1777.		0
25193	Refractometric Sensing Using Plasmonic Nanoparticles. , 2016, , 3432-3440.		3
25194	Laser Tweezers Using Nanoapertures in Metal Films. , 2016, , 1753-1764.		0
25195	Unravelling the Structural Changes in α -Helical Peptides on Interaction with Convex, Concave, and Planar Surfaces of Boron-Nitride-Based Nanomaterials. Journal of Physical Chemistry C, 2016, 120, 28246-28260.	3.1	14
25196	A nanoengine governor based on the end interfacial effect. Nanotechnology, 2016, 27, 495704.	2.6	8
25197	Fabrication of Three-Dimensional (3D) Copper/Carbon Nanotube Composite Film by One-Step Electrodeposition. Journal of the Electrochemical Society, 2016, 163, D774-D779.	2.9	8
25198	Ligand-Directed Gold-Phage Nanosystems. , 2016, , 1778-1782.		0
25199	Electrochemical Study and Determination of Dinitramine Using Glassy Carbon Electrodes Modified with Multi-walled Carbon Nanotubes. Electrochemistry, 2016, 84, 228-233.	1.4	10
25200	Chemical Vapor Deposition (CVD). , 2016, , 518-524.		0
25201	Carbon Nanotube Thin Film Transistors for Flat Panel Display Application. Topics in Current Chemistry, 2016, 374, 80.	5.8	24
25202	Tailoring Thermal Conductivity of Single-stranded Carbon-chain Polymers through Atomic Mass Modification. Scientific Reports, 2016, 6, 34999.	3.3	16
25203	Electron transport mechanisms in polymer-carbon sphere composites. Journal of Applied Physics, 2016, 120, .	2.5	5
25204	Insights into the multistep transformation of titanate nanotubes into nanowires and nanoribbons. Materials Science-Poland, 2016, 34, 691-702.	1.0	8
25205	Synthesis of multiwalled carbon nanotube from different grades of carbon black using arc discharge method. AIP Conference Proceedings, 2016, , .	0.4	2
25206	Many faces of carbon. Proceedings of SPIE, 2016, , .	0.8	1
25207	Angular dependent anisotropic terahertz response of vertically aligned multi-walled carbon nanotube arrays with spatial dispersion. Scientific Reports, 2016, 6, 38515.	3.3	10
25208	Development of MWCNT-based strain sensor using flexible substrate. , 2016, , .		2
25209	Multi-walled carbon nanotubes with rectangular or square cross-section. Applied Physics Letters, 2016, 108, .	3.3	10

#	ARTICLE	IF	CITATIONS
25210	Inducing injection barrier by covalent functionalization of multiwall carbon nanotubes acting as Moiré crystals. Applied Physics Letters, 2016, 109, .	3.3	2
25211	The morphology of carbon-metal composite synthesized in arc discharge. Journal of Physics: Conference Series, 2016, 754, 092004.	0.4	2
25212	Electron transport property of tetrathiafulvalene molecule. AIP Conference Proceedings, 2016, , .	0.4	0
25213	Importance of network density of nanotube: Effect on nitrogen dioxide gas sensing by solid state resistive sensor. AIP Conference Proceedings, 2016, , .	0.4	1
25214	Effect of an intersection of carbon nanotubes on the carrier accumulation under an external electric field. Applied Physics Express, 2016, 9, 085103.	2.4	7
25215	H18 Carbon: A New Metallic Phase with sp ² -sp ³ Hybridized Bonding Network. Scientific Reports, 2016, 6, 21879.	3.3	57
25216	Macroscopic Hexagonal Tubes of 3d-4d Metalloclusters. Angewandte Chemie, 2016, 128, 15803-15807.	2.0	14
25217	Dielectrophoretic modification of carbon nanotube with ZnO nanoparticles for NO ₂ gas sensing. , 2016, , .		2
25218	Effect of cleaning procedures on the electrical properties of carbon nanotube transistors: A statistical study. Journal of Applied Physics, 2016, 119, .	2.5	18
25219	Molecular dynamics simulation study of a carbon-nanotube oscillator in a graphene-nanoribbon trench. Journal of the Korean Physical Society, 2016, 69, 426-434.	0.7	0
25220	Raman spectroscopic studies of thin film carbon nanostructures deposited using electro deposition technique. AIP Conference Proceedings, 2016, , .	0.4	0
25221	Analysis of electronic properties of different configurations of CNTs with undoped and doped atom. AIP Conference Proceedings, 2016, , .	0.4	0
25222	Q-factor and efficiency of carbon nanotube antennas. , 2016, , .		2
25223	Optical characterization of spincoated Multiwall Carbon Nanotube films on silicon substrates. , 2016, , .		2
25224	Properties of CNTs/MoSi ₂ composites prepared by spark plasma sintering. Journal of Central South University, 2016, 23, 3060-3064.	3.0	1
25225	Novel self-sensing carbon nanotube-based composites for rehabilitation of structural steel members. AIP Conference Proceedings, 2016, , .	0.4	1
25226	New Flexible Channels for Room Temperature Tunneling Field Effect Transistors. Scientific Reports, 2016, 6, 20293.	3.3	5
25227	Nanowire Electronic Structure. , 0, , 107-166.		0

#	ARTICLE	IF	CITATIONS
25228	Behavior of oxidized platinum nanoparticles on an aligned carbon nanotube forest. Journal of Applied Physics, 2016, 120, .	2.5	7
25229	Infrared laser ablation of polymeric nanocomposites: A study of surface structure and plume formation. Journal of Applied Physics, 2016, 120, 225103.	2.5	2
25230	Implementation of Outstanding Electronic Transport in Polar Covalent Boron Nitride Atomic Chains: another Extraordinary Odd-Even Behaviour. Scientific Reports, 2016, 6, 26389.	3.3	11
25231	From dimers to collective dipoles: Structure and dynamics of methanol/ethanol partition by narrow carbon nanotubes. Journal of Chemical Physics, 2016, 144, 064105.	3.0	7
25232	Multiporous carbon allotropes transformed from symmetry-matched carbon nanotubes. AIP Advances, 2016, 6, .	1.3	11
25233	Stable isomers and electronic, vibrational, and optical properties of WS ₂ nano-clusters: A first-principles study. Journal of Chemical Physics, 2016, 145, 214303.	3.0	6
25234	The Nature of Metastable AA TM Graphite: Low Dimensional Nano- and Single-Crystalline Forms. Scientific Reports, 2016, 6, 39624.	3.3	34
25235	Implications of multi wall carbon nanotube over living system using C. elegans as worm model. Materials Today: Proceedings, 2016, 3, 3310-3317.	1.8	3
25236	Pyrrole adsorption on aluminum nitride nanotubes on DFT data. Russian Journal of Physical Chemistry A, 2016, 90, 2221-2229.	0.6	4
25237	Robust polyelectrolyte microcapsules reinforced with carbon nanotubes. RSC Advances, 2016, 6, 114639-114643.	3.6	15
25238	Exploitation of SEM charging effects for monitoring robotic assembly tasks. , 2016, , .		2
25239	Nanoparticles in discotic liquid crystals. Series in Sof Condensed Matter, 2016, , 461-496.	0.1	3
25240	Effect of carbon nanotube content and double-pressing double-sintering method on the tensile strength and bending strength behavior of carbon nanotube-reinforced aluminum composites. Journal of Materials Research, 2016, 31, 3860-3868.	2.6	5
25241	Enhanced photocatalytic activity of SrTiO ₃ photocatalyst by topotactic preparation. Materials Research Express, 2016, 3, 115903.	1.6	8
25242	Layer characterization and photovoltaic properties of CdS/multi-wall carbon nanotube/n-Si device with an n-p-n transistor structure. Journal of Renewable and Sustainable Energy, 2016, 8, .	2.0	3
25243	Magnetic and electronic properties of porphyrin-based molecular nanowires. AIP Advances, 2016, 6, 015216.	1.3	9
25245	Two-dimensional nanoplates of Bi ₂ Te ₃ and Bi ₂ Se ₃ with reduced thermal stability. AIP Advances, 2016, 6, .	1.3	8
25246	Calligraphic solar cells: acknowledging paper and pencil. Journal of Materials Research, 2016, 31, 2578-2589.	2.6	19

#	ARTICLE	IF	CITATIONS
25247	Geometrical constraint on stacking of polycyclic aromatic hydrocarbon molecules encapsulated in a single-walled carbon nanotube. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 31043-31053.	2.8	3
25248	Investigation of the coupled effects of temperature and partial pressure on catalytic growth of carbon nanotubes using a modified growth rate model. <i>Materials Research Express</i> , 2016, 3, 105040.	1.6	10
25250	Investigation of Carbon Nanotubes in Mixed Matrix Membranes for Gas Separation: A Review. <i>ChemBioEng Reviews</i> , 2016, 3, 276-298.	4.4	46
25251	Chemically and mechanically exfoliated MoS ₂ for electronic & opto-electronic devices. , 2016, , .		1
25252	Theory of intraband plasmons in doped carbon nanotubes: Rolled surface-plasmons of graphene. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	18
25253	Dual Electrocatalytic Behavior of Oxovanadium(IV) Salen Immobilized Carbon Materials Towards Cysteine Oxidation and Cystine Reduction: Graphene Versus Single Walled Carbon Nanotubes. <i>ChemistrySelect</i> , 2016, 1, 6726-6734.	1.5	10
25254	Enhancement of adsorption and diffusion of lithium in single-walled carbon nanotubes by external electric field. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	9
25255	Tight-binding approach to penta-graphene. <i>Scientific Reports</i> , 2016, 6, 22672.	3.3	41
25256	Electron beam introduced Cu melting for CNT/Cu hybrid nanowire based on nanorobotics. , 2016, , .		0
25257	Technology and performance: Carbon nanotube (CNT) field effect transistor (FET) in VLSI circuit design. , 2016, , .		2
25258	The unexpected stability of multiwall nanotubes under high pressure and shear deformation. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	19
25259	A strategy for enhancing shear strength and bending strength of FRP laminate using MWCNTs. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 149, 012105.	0.6	6
25260	Self-organization effects during sputter deposition under quasi-equilibrium condensation conditions. , 2016, , .		0
25261	Multiwalled carbon nanotube field emitter as an electron source for a microcolumn. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, .	1.2	9
25262	Multiwall carbon nanotube microcavity arrays. <i>Journal of Applied Physics</i> , 2016, 119, 113105.	2.5	13
25263	An experimental and CFD study on gas flow field distribution in the growth process of multi-walled carbon nanotube arrays by thermal chemical vapor deposition. <i>Crystal Research and Technology</i> , 2016, 51, 702-707.	1.3	5
25264	Mechanical properties of Cu matrix composite fabricated by extrusion process. <i>Transactions of Nonferrous Metals Society of China</i> , 2016, 26, 2679-2686.	4.2	5
25265	Synthesis of self-organized TiO ₂ nanotube arrays: Microstructural, stereoscopic, and topographic studies. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	12

#	ARTICLE	IF	CITATIONS
25266	Three dimensional (3D) percolation network structure: Key to form stable carbon nano grease. Journal of Applied Research and Technology, 2016, 14, 375-382.	0.9	18
25267	Characterization at Atomic Resolution of Carbon Nanotube/Resin Interface in Nanocomposites by Mapping sp ² -Bonding States Using Electron Energy-Loss Spectroscopy. Microscopy and Microanalysis, 2016, 22, 666-672.	0.4	6
25268	Chitosan. , 2016, , 524-524.		0
25269	Laser-Reduced Graphene Oxide. , 2016, , 1764-1764.		0
25270	Three-dimensional extremely-short optical pulses in carbon nanotube arrays in the presence of an external magnetic field. Modern Physics Letters B, 2016, 30, 1650405.	1.9	0
25271	Modeling of boron nitride-based nanotube biological sensor using neural networks. , 2016, , .		2
25272	Highly substituted cyclacenes and short zigzag nanotubes: a theoretical comparison of stability. , 2016, , .		0
25273	Collision dynamics of an energetic carbon ion impinging on the stone-wales defect in a single-walled carbon nanotube. Chemical Research in Chinese Universities, 2016, 32, 803-807.	2.6	0
25274	Effect of added silicon carbide nanowires and carbon nanotubes on mechanical properties of 3 natural rubber composites. Japanese Journal of Applied Physics, 2016, 55, 01AE21.	1.5	0
25275	Characterization of Interlaminar Fracture Properties of Advanced Polymer Matrix Composites Interleaved With Buckypaper. , 2016, , .		0
25276	Boron-doped few-walled carbon nanotubes: novel synthesis and properties. Nanotechnology, 2016, 27, 445601.	2.6	12
25277	Microwave Absorbing Characteristics of Plasma Sprayed SiC-CNTs/AT13 Absorbing Coating. Key Engineering Materials, 0, 723, 512-516.	0.4	0
25278	Three-Dimensional Carbon Allotropes Comprising Phenyl Rings and Acetylenic Chains in sp+sp ² Hybrid Networks. Scientific Reports, 2016, 6, 24665.	3.3	29
25279	Kinetic response study in chemiresistive gas sensor based on carbon nanotube surface functionalized with substituted phthalocyanines. AIP Conference Proceedings, 2016, , .	0.4	3
25280	Modeling of dynamic mechanical properties of polymer composites reinforced by one dimensional nanofillers. Journal of Applied Physics, 2016, 120, 175103.	2.5	11
25281	Influence of strong screening effect on the perpendicular- polarized linear excitonic absorption spectra of semiconducting carbon nanotubes. European Physical Journal B, 2016, 89, 1.	1.5	1
25282	Nonlocal forced vibration of a double single-walled carbon nanotube system under the influence of an axial magnetic field. Journal of Mechanics of Materials and Structures, 2016, 11, 279-307.	0.6	17
25283	Temperature gradient-induced fluid pumping inside a single-wall carbon nanotube: A non-equilibrium molecular dynamics study. Physics of Fluids, 2016, 28, .	4.0	13

#	ARTICLE	IF	CITATIONS
25284	Boron-Filled Hybrid Carbon Nanotubes. Scientific Reports, 2016, 6, 30495.	3.3	9
25285	One-step electrodeposition of poly (3,4-ethylenedioxythiophene) on carboxylated multi-wall carbon nanotubes and its application in ascorbic acid sensing. Journal of Electroanalytical Chemistry, 2016, 782, 84-90.	3.8	9
25286	Theoretical study of the binding energy of some gases on Al-doped carbon nanotube. Results in Physics, 2016, 6, 1146-1151.	4.1	10
25287	Molecular dynamics study of mechanical properties of carbon nanotube reinforced aluminum composites. AIP Conference Proceedings, 2016, , .	0.4	6
25288	Prediction of emerging papers in nanocarbon materials-related research using a citation network. , 2016, , .		0
25289	Inorganic nanotubes and nanorods in liquid crystals. Series in Sof Condensed Matter, 2016, , 537-569.	0.1	1
25290	Carbon nanotubes in thermotropic low molar mass liquid crystals. Series in Sof Condensed Matter, 2016, , 603-630.	0.1	3
25291	TEM and XRD Analysis of Carbon Nanotubes Synthesised from Flame. Key Engineering Materials, 0, 723, 470-475.	0.4	9
25292	Effect of carbon nanotube and silicon carbide on microstructure and dry sliding wear behavior of copper hybrid nanocomposites. Transactions of Nonferrous Metals Society of China, 2016, 26, 3170-3182.	4.2	45
25293	Effect of MWCNTs Dispersion and Loading on the Rheological and Electrical Properties of MWCNTs/Silicone Composite. MATEC Web of Conferences, 2016, 67, 06072.	0.2	1
25294	Stable single helical C- and I-chains inside single-walled carbon nanotubes. Chinese Physics B, 2016, 25, 096105.	1.4	1
25295	Compact model for ballistic single wall CNTFET under quantum capacitance limit. Journal of Semiconductors, 2016, 37, 104001.	3.7	7
25296	Electrical and mechanical properties of nanocomposite materials containing electrically dispersed MWCNTs. , 2016, , .		0
25297	Ni-CNT as Isopropanol Sensor: Ab-Initio Analysis. , 2016, , .		1
25298	Spray-coated carbon-nanotubes for crack-tolerant metal matrix composites as photovoltaic gridlines. , 2016, , .		4
25299	Experimental quantification of the true efficiency of carbon nanotube thin-film thermophones. Journal of the Acoustical Society of America, 2016, 139, 1353-1363.	1.1	18
25300	Physical description and analysis of doped carbon nanotube interconnects. , 2016, , .		3
25301	Detecting the formation of single-walled carbon nanotube rings by photoabsorption spectroscopy. Applied Physics Express, 2016, 9, 085102.	2.4	1

#	ARTICLE	IF	CITATIONS
25303	Rigorous buckling analysis of size-dependent functionally graded cylindrical nanoshells. Journal of Applied Physics, 2016, 119, 214303.	2.5	8
25304	Comparative study on the spectral properties of boron clusters B_nO^{+1} ($n=38-40$). Scientific Reports, 2016, 6, 25020.	3.3	14
25305	Theoretic Study on Dispersion Mechanism of Boron Nitride Nanotubes by Polynucleotides. Scientific Reports, 2016, 6, 39747.	3.3	10
25306	Asymmetric and symmetric absorption peaks observed in infrared spectra of CO ₂ adsorbed on TiO ₂ nanotubes. Journal of Chemical Physics, 2016, 144, 154703.	3.0	10
25307	Electronic properties of aluminium and silicon doped (2, 2) graphyne nanotube. Journal of Physics: Conference Series, 2016, 759, 012038.	0.4	4
25308	Large-scale synthesis of novel vertically-aligned helical carbon nanotube arrays. New Carbon Materials, 2016, 31, 568-573.	6.1	9
25309	Confinement of water molecule inside (2, 2) graphyne nanotube. AIP Conference Proceedings, 2016, , .	0.4	8
25310	On the linear dependence of a carbon nanofiber thermal conductivity on wall thickness. AIP Advances, 2016, 6, 115119.	1.3	6
25311	Influence of purified multiwalled carbon nanotubes on the mechanical and morphological behavior in poly (L-lactic acid) matrix. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 59, 547-560.	3.1	8
25312	Silsesquioxane-cored star amphiphilic polymer as an efficient dispersant for multi-walled carbon nanotubes. RSC Advances, 2016, 6, 30401-30404.	3.6	3
25313	Ferrimagnetic Behaviors in a Double-Wall Cubic Metal Nanotube: a Monte Carlo Study. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1953-1959.	1.8	14
25314	Tribological and mechanical investigation of acrylic-based nanocomposite coatings reinforced with PMMA-grafted-MWCNT. Materials Chemistry and Physics, 2016, 175, 206-214.	4.0	22
25315	Noncovalent Functionalization of Graphene and Graphene Oxide for Energy Materials, Biosensing, Catalytic, and Biomedical Applications. Chemical Reviews, 2016, 116, 5464-5519.	47.7	1,942
25316	Synthesis of double-wall nanoscrolls intercalated with polyfluorinated cationic surfactant into layered niobate and their magnetic alignment. Physical Chemistry Chemical Physics, 2016, 18, 12108-12114.	2.8	7
25317	Simulation of the Two-Dimensional Gasdynamic, Temperature, and Concentration Fields in an Injection Reactor of Chemical Vapor Deposition for Synthesis of Carbon Nanotube Arrays. Journal of Engineering Physics and Thermophysics, 2016, 89, 238-248.	0.6	2
25318	Fatigue and healing properties of bituminous mastics reinforced with nano-sized additives. Mechanics of Time-Dependent Materials, 2016, 20, 367-387.	4.4	26
25319	Contribution of CNTs/CNFs morphology to reduction of autogenous shrinkage of Portland cement paste. Frontiers of Structural and Civil Engineering, 2016, 10, 224-235.	2.9	25
25320	Equilibrium, Kinetics, and Thermodynamics of Bovine Serum Albumin Adsorption on Single-Walled Carbon Nanotubes. Chemical Engineering Communications, 2016, 203, 1198-1206.	2.6	24

#	ARTICLE	IF	CITATIONS
25321	Preparation and characterization of single-walled carbon nanotube/nylon 6, 6 nanocomposites. Instrumentation Science and Technology, 2016, 44, 435-444.	1.8	52
25322	Adsorptive removal of antibiotics from aqueous solution using carbon materials. Chemosphere, 2016, 153, 365-385.	8.2	465
25323	Effect of molecular coverage on the electric conductance of a multi-walled carbon nanotube thin film. Chemical Physics Letters, 2016, 654, 9-12.	2.6	8
25324	Impeded repair of abasic site damaged lesions in DNA adsorbed over functionalized multiwalled carbon nanotube and graphene oxide. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 803-804, 39-46.	1.7	4
25325	Nonlocal continuum-based modeling of mechanical characteristics of nanoscopic structures. Physics Reports, 2016, 638, 1-97.	25.6	140
25326	A density functional reactivity theory (DFRT) based approach to understand the effect of symmetry of fullerenes on the kinetic, thermodynamic and structural aspects of carbon NanoBuds. Chemical Physics, 2016, 472, 218-228.	1.9	9
25327	First-principles calculation on electronic properties of B and N co-doping carbon nanotubes. Journal of Semiconductors, 2016, 37, 032002.	3.7	6
25328	First principles study on B/N pairs co-doping zigzag single-walled carbon nanotubes. Chemical Physics Letters, 2016, 653, 144-148.	2.6	7
25329	Modelling the nonlinear behaviour of double walled carbon nanotube based resonator with curvature factors. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 84, 98-107.	2.7	3
25330	Aligned metal oxide nanotube arrays: key-aspects of anodic TiO ₂ nanotube formation and properties. Nanoscale Horizons, 2016, 1, 445-466.	8.0	129
25331	The effects of microwave regeneration on adsorptive performance of functionalized carbon nanotubes. Water Science and Technology, 2016, 73, 2638-2643.	2.5	5
25332	Ageing Response of Powder Metallurgy AZ91 and AZ91 Reinforced with Multiwall Carbon Nanotube. Materials Science Forum, 2016, 857, 261-265.	0.3	1
25333	A modified structure for MOSFET-like carbon nanotube FET. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	3
25334	A DFT study of adsorption of glycine onto the surface of BC ₂ N nanotube. Applied Surface Science, 2016, 384, 230-236.	6.1	21
25335	Structural variations of the cathode deposit in the carbon arc. Carbon, 2016, 105, 490-495.	10.3	27
25336	Preparation of carbon nanomaterials using two-group arc discharge plasma. Chemical Engineering Journal, 2016, 303, 217-230.	12.7	27
25337	An experimental and numerical study on the mechanical properties of carbon nanotube-latex thin films. Journal of the European Ceramic Society, 2016, 36, 2255-2262.	5.7	16
25338	Construction of a biointerface on a carbon nanotube surface for efficient electron transfer. Materials Letters, 2016, 174, 184-187.	2.6	19

#	ARTICLE	IF	CITATIONS
25339	Long-chain amine-templated synthesis of gallium sulfide and gallium selenide nanotubes. <i>Nanoscale</i> , 2016, 8, 11698-11706.	5.6	11
25340	Two-Dimensional Boron Sheets. , 2016, , 29-58.		1
25341	Applications of Carbon Nanotubes in Bio-Nanotechnology. , 2016, , 379-408.		1
25342	Delivery of Anticancer Molecules Using Carbon Nanotubes. , 2016, , 563-572.		0
25343	Facile synthesis of magnetic MWCNT functionalised 8-hydroxyquinoline: characterisation and application for selective enrichment of cadmium ions in food samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 595-607.	3.3	6
25344	Investigation of photoelectrical properties of Si_3N_4 nanobelts with surface modifications using first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 15686-15696.	2.8	10
25345	Photo-induced morphological winding and unwinding motion of nanoscrolls composed of niobate nanosheets with a polyfluoroalkyl azobenzene derivative. <i>Nanoscale</i> , 2016, 8, 12289-12293.	5.6	17
25346	Nonlinear Free Vibration Analysis of Elastically Supported Nanotube-reinforced Composite Beam in Thermal Environment. <i>Procedia Engineering</i> , 2016, 144, 928-935.	1.2	14
25347	Static Analysis of Magnetic Field Affected Double Single Walled Carbon Nanotube System. <i>Procedia Technology</i> , 2016, 23, 84-90.	1.1	2
25348	Photoluminescent Carbon Nanostructures. <i>Chemistry of Materials</i> , 2016, 28, 4085-4128.	6.7	186
25349	Vertically-Aligned Carbon Nanotubes for Electrochemical Energy Conversion and Storage. <i>Nanoscience and Technology</i> , 2016, , 253-270.	1.5	4
25350	Nonlocal effect on the nonlinear dynamic characteristics of buckled parametric double-layered nanoplates. <i>Nonlinear Dynamics</i> , 2016, 85, 1719-1733.	5.2	9
25351	Development of Novel Drug and Gene Delivery Carriers Composed of Single-Walled Carbon Nanotubes and Designed Peptides With PEGylation. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 2815-2824.	3.3	33
25352	Multifunctional characterization of carbon nanotube sheets, yarns, and their composites. <i>Current Applied Physics</i> , 2016, 16, 1250-1258.	2.4	26
25353	An efficient approach to the preparation of polyethylene magnetic nanocomposites. <i>Polymer</i> , 2016, 97, 131-137.	3.8	22
25354	Analysis of size-dependent mechanical properties of CNTs mass sensor using energy equivalent model. <i>Sensors and Actuators A: Physical</i> , 2016, 246, 9-17.	4.1	36
25355	Synthesis of multi-walled carbon nanotube/doped barium hexaferrite nanocomposites: An investigation of structural, magnetic and microwave absorption properties. <i>Ceramics International</i> , 2016, 42, 14342-14349.	4.8	49
25356	DFT study of zigzag (n, 0) single-walled carbon nanotubes: ^{13}C NMR chemical shifts. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 67, 14-19.	2.4	16

#	ARTICLE	IF	CITATIONS
25357	Molecular dynamics simulation of single-walled carbon nanotubes inside liquid crystals. Molecular Simulation, 2016, 42, 1242-1248.	2.0	16
25358	Charge carrier mobility of zigzag carbon nanotubes with monovacancy defects from a first-principle crystal orbital view. Materials Research Express, 2016, 3, 055016.	1.6	5
25359	The comparison of cure behavior of epoxy and multi-wall carbon nanotube/epoxy composites. Journal of Thermal Analysis and Calorimetry, 2016, 124, 1441-1448.	3.6	7
25360	Detailed investigation on the mechanism of co-deposition of different carbon nanostructures by microwave plasma CVD. Carbon, 2016, 106, 233-242.	10.3	30
25361	Quo vadis, worldwide nanoindustry?. Nanotechnologies in Russia, 2016, 11, 117-127.	0.7	1
25362	Thermal transport in stereo carbon framework using graphite nanospheres and graphene nanosheets. Carbon, 2016, 106, 132-141.	10.3	21
25363	Nanomaterials in electrochemical biosensors for pesticide detection: advances and challenges in food analysis. Mikrochimica Acta, 2016, 183, 2063-2083.	5.0	155
25364	Highly sensitive d-alanine electrochemical biosensor based on functionalized multi-walled carbon nanotubes and d-amino acid oxidase. Biochemical Engineering Journal, 2016, 113, 1-6.	3.6	32
25365	Metamodel-based approach for stochastic free vibration analysis of functionally graded carbon nanotube reinforced plates. Composite Structures, 2016, 152, 183-198.	5.8	47
25366	Superior performance of highly flexible solid-state supercapacitor based on the ternary composites of graphene oxide supported poly(3,4-ethylenedioxythiophene)-carbon nanotubes. Journal of Power Sources, 2016, 323, 125-133.	7.8	82
25367	Graphitic Carbon Nitride (g-C ₃ N ₄)-Based Photocatalysts for Artificial Photosynthesis and Environmental Remediation: Are We a Step Closer To Achieving Sustainability?. Chemical Reviews, 2016, 116, 7159-7329.	47.7	5,505
25368	Morphological changes in carbon nanohorns under stress: a combined Raman spectroscopy and TEM study. RSC Advances, 2016, 6, 49543-49550.	3.6	36
25369	Prediction of the stability and electronic properties of carbon nanotube synthesized by a high-voltage pulsed discharge in ethanol vapor. Semiconductors, 2016, 50, 502-507.	0.5	3
25370	Structure-property relations in individual carbon nanotubes [Invited]. Journal of the Optical Society of America B: Optical Physics, 2016, 33, C102.	2.1	4
25371	Novel pot-shaped carbon nanomaterial synthesized in a submarine-style substrate heating CVD method. Journal of Materials Research, 2016, 31, 117-126.	2.6	1
25372	Direct metal laser sintering synthesis of carbon nanotube reinforced Ti matrix composites: Densification, distribution characteristics and properties. Journal of Materials Research, 2016, 31, 281-291.	2.6	24
25373	Vibration analysis of a single-layered graphene sheet-based mass sensor using the Galerkin strip distributed transfer function method. Acta Mechanica, 2016, 227, 2899-2910.	2.1	22
25374	Synthesis of nitrogen doped coiled double walled carbon nanotubes by chemical vapor deposition method for supercapacitor applications. Current Applied Physics, 2016, 16, 816-825.	2.4	44

#	ARTICLE	IF	CITATIONS
25375	New anti-biofouling carbon nanotubes-filled polydimethylsiloxane composites against colonization by pioneer eukaryotic microbes. International Biodeterioration and Biodegradation, 2016, 110, 147-154.	3.9	21
25376	Exploration of the environmentally benign and highly effective approach for improving carbon nanotube homogeneity in aqueous system. Journal of Thermal Analysis and Calorimetry, 2016, 124, 815-825.	3.6	6
25377	Can Carbon Nanotubes Deliver on Their Promise in Biology? Harnessing Unique Properties for Unparalleled Applications. ACS Central Science, 2016, 2, 190-200.	11.3	91
25378	Molecular Dynamics. , 2016, , 43-82.		0
25379	Torsional wave propagation in multiwalled carbon nanotubes using nonlocal elasticity. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	24
25380	Hysteresis and Compensation Behaviors of Mixed Spin-1 and Spin-2 Hexagonal Ising Nanowire System. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1805-1812.	1.8	18
25381	An overview of nanocomposite nanofillers and their functionalization. , 2016, , 15-64.		8
25382	Synthesis and characterization of novel carbon nanotube array supported Fe ₃ C nanocomposites with honeycomb structures. Materials and Design, 2016, 97, 417-423.	7.0	9
25383	Isolated crater formation by gas cluster ion impact and their use as templates for carbon nanotube growth. Nuclear Instruments & Methods in Physics Research B, 2016, 371, 317-321.	1.4	3
25384	Intrinsic current-voltage characteristics of metal-carbon nanotube networks: A first-principles study. Organic Electronics, 2016, 31, 278-286.	2.6	5
25385	A multiscale mechanical model for the effective interphase of SWNT/epoxy nanocomposite. Polymer, 2016, 89, 159-171.	3.8	76
25386	Sensor application in Direct Methanol Fuel Cells (DMFCs). Renewable and Sustainable Energy Reviews, 2016, 60, 1125-1139.	16.4	26
25387	Surface-Initiated ARGET ATRP of Poly(Glycidyl Methacrylate) from Carbon Nanotubes via Bioinspired Catechol Chemistry for Efficient Adsorption of Uranium Ions. ACS Macro Letters, 2016, 5, 382-386.	4.8	105
25388	Refilling of carbon nanotube cartridges for 3D nanomanufacturing. Nanoscale, 2016, 8, 7217-7223.	5.6	4
25389	Investigation of the relationship between arc-anode attachment mode and anode temperature for nickel nanoparticle production by a DC arc discharge. Journal Physics D: Applied Physics, 2016, 49, 125201.	2.8	14
25390	A Nanocomposite-Based Stretchable Deformation Sensor Matrix for a Soft-Bodied Swallowing Robot. IEEE Sensors Journal, 2016, 16, 3848-3855.	4.7	14
25391	Inorganic nanoparticles for optical bioimaging. Advances in Optics and Photonics, 2016, 8, 1.	25.5	175
25392	A Measure of CNTs Dispersion in Polymers With Branched Molecular Architectures by UDMA. IEEE Nanotechnology Magazine, 2016, 15, 731-737.	2.0	12

#	ARTICLE	IF	CITATIONS
25393	Photophysical Parameters of Functional Transparent Polymethyl-Methacrylate/Double-Walled Carbon Nanotubes Nanocomposite Sheet Under UV-Irradiation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 780-787.	3.7	14
25394	Wave Characteristics of Nanotubes Conveying Fluid Based on the Non-classical Timoshenko Beam Model Incorporating Surface Energies. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 4359-4369.	1.1	14
25395	Fabrication of Carbon Nanotube-Reinforced 6061Al Alloy Matrix Composites by an In Situ Synthesis Method Combined with Hot Extrusion Technique. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 188-198.	2.9	9
25396	Flexible electrospun polyvinylidene fluoride nanofibrous composites with high electrical conductivity and good mechanical properties by employing ultrasonication induced dispersion of multi-walled carbon nanotubes. <i>Composites Science and Technology</i> , 2016, 128, 201-206.	7.8	24
25397	Confined linear carbon chains as a route to bulk C_{60} . <i>Nature Materials</i> , 2016, 15, 634-639.	27.5	341
25398	Formation of onion-like fullerene and chemically converted graphene-like nanosheets from low-quality coals: application in photocatalytic degradation of 2-nitrophenol. <i>RSC Advances</i> , 2016, 6, 35177-35190.	3.6	37
25399	Functionalized multi-wall carbon nanotubes/ TiO_2 composites as efficient photoanodes for dye sensitized solar cells. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3555-3562.	5.5	68
25400	Nonlinear dynamic response of single layer graphene sheets using multiscale modelling. <i>European Journal of Mechanics, A/Solids</i> , 2016, 59, 165-177.	3.7	16
25401	Efficient bienzyme nanocomposite film for chiral recognition of L-tryptophan, L-phenylalanine and L-tyrosine. <i>Analytical Methods</i> , 2016, 8, 3481-3487.	2.7	18
25402	Electrical, structural and thermal studies of carbon nanotubes from natural legume seeds: kala chana. <i>Phase Transitions</i> , 2016, 89, 1146-1154.	1.3	4
25403	Oxidative stress as an iceberg in carcinogenesis and cancer biology. <i>Archives of Biochemistry and Biophysics</i> , 2016, 595, 46-49.	3.0	56
25404	Prediction of the mechanical behavior of double walled-CNTs using a molecular mechanics-based finite element method: Effects of chirality. <i>Computers and Structures</i> , 2016, 169, 91-100.	4.4	26
25405	Gel-casting: A promising technique to develop highly sensitive temperature sensor. <i>Materials Research Bulletin</i> , 2016, 80, 72-79.	5.2	9
25406	Industrial Synthesis of Whisker Carbon Nanotubes. <i>Materials Science Forum</i> , 0, 852, 514-519.	0.3	6
25407	Fabrication and materials properties of polystyrene/carbon nanotube (PS/CNT) composites: A review. <i>European Polymer Journal</i> , 2016, 79, 36-62.	5.4	112
25408	Role of interfacial interactions to control the extent of wrapping of polymer chains on multi-walled carbon nanotubes. <i>RSC Advances</i> , 2016, 6, 42334-42346.	3.6	10
25409	Molecular modelling of translocation of biomolecules in carbon nanotubes: method, mechanism and application. <i>Molecular Simulation</i> , 2016, 42, 827-835.	2.0	17
25410	Nanovectorization of DNA Through Cells Using Protamine Complexation. <i>Journal of Membrane Biology</i> , 2016, 249, 493-501.	2.1	5

#	ARTICLE	IF	CITATIONS
25411	Celebrating the 150th anniversary of the Kekulé benzene structure. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 11587-11588.	2.8	26
25412	BO ₂ -functionalized B ₃ N ₃ C ₅₄ heterofullerene as a possible candidate for molecular spintronics and nonlinear optics. <i>Materials Research Express</i> , 2016, 3, 045008.	1.6	5
25413	Potassium intercalated multiwalled carbon nanotubes. <i>Carbon</i> , 2016, 105, 90-95.	10.3	15
25414	A series of polythreaded architectures based on a long flexible tetracarboxylate ligand and different N-donor ligands. <i>Inorganica Chimica Acta</i> , 2016, 447, 66-76.	2.4	13
25415	A study of conductive hydrogel composites of pH-responsive microgels and carbon nanotubes. <i>Soft Matter</i> , 2016, 12, 4142-4153.	2.7	27
25416	Trends in Conducting Polymer and Hybrids of Conducting Polymer/Carbon Nanotube: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1416-1440.	1.9	54
25417	Mechanical properties and biocompatibility of functionalized carbon nanotubes/polypropylene composites. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 1003-1016.	3.5	5
25418	Theoretical infrared phonon modes in double-walled carbon nanotubes. <i>RSC Advances</i> , 2016, 6, 41025-41031.	3.6	18
25419	Carbon Nanotube TFETs: Structure Optimization with Numerical Simulation. , 2016, , 181-210.		0
25420	Conceptual design of tetraazaporphyrin- and subtetraazaporphyrin-based functional nanocarbon materials: electronic structures, topologies, optical properties, and methane storage capacities. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13503-13518.	2.8	3
25421	Impact of carbon nanotubes on the mobility of sulfonamide antibiotics in sediments in the Xiangjiang River. <i>RSC Advances</i> , 2016, 6, 16941-16951.	3.6	13
25422	Tunneling Field Effect Transistor Technology. , 2016, , .		18
25423	Environmental application of nanotechnology: air, soil, and water. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13754-13788.	5.3	265
25424	A novel oscillator based on heterogeneous carbon@MoS ₂ nanotubes. <i>Nano Research</i> , 2016, 9, 1775-1784.	10.4	16
25425	Adsorption mechanism of different organic chemicals on fluorinated carbon nanotubes. <i>Chemosphere</i> , 2016, 154, 258-265.	8.2	24
25426	Effect of Interface on the Elastic Modulus of CNT Nanocomposites. <i>Journal of Nanomechanics & Micromechanics</i> , 2016, 6, .	1.4	17
25427	Preparation of MnO ₂ and MnO ₂ /carbon nanotubes nanocomposites with improved electrochemical performance for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2045-2053.	2.5	17
25428	A theoretical investigation on the magnetic and transport properties of the phosphorus nanoribbons with tetragons at the edges. <i>Chemical Physics Letters</i> , 2016, 652, 1-5.	2.6	7

#	ARTICLE	IF	CITATIONS
25429	Simultaneous voltammetric determination of paracetamol, cetirizine and phenylephrine using a multiwalled carbon nanotube-platinum nanoparticles nanocomposite modified carbon paste electrode. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 237-248.	7.8	111
25430	Structure dependent elastic properties of supergraphene. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2016, 32, 684-689.	3.4	14
25431	Active sites-enriched hierarchical MoS ₂ nanotubes: highly active and stable architecture for boosting hydrogen evolution and lithium storage. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7565-7572.	10.3	44
25432	Band structures of graphene nanoscrolls and their dispersion relation near the Fermi point. <i>RSC Advances</i> , 2016, 6, 38753-38760.	3.6	4
25433	Percolation model of reinforcement efficiency for carbon nanotubes dispersed in thermoplastics. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 86, 49-56.	7.6	16
25434	Characterization and properties of transparent cellulose nanowhiskers-based graphene nanoplatelets/multi-walled carbon nanotubes films. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 86, 77-86.	7.6	12
25435	Ultra-sensitive determination of epinephrine based on TiO ₂ -Au nanoclusters supported on reduced graphene oxide and carbon nanotube hybrid nanocomposites. <i>Materials Science and Engineering C</i> , 2016, 64, 391-398.	7.3	37
25436	Targeting and imaging of cancer cells using nanomaterials. , 2016, , 209-251.		1
25437	Encapsulation of lawrencium into C 60 fullerene: Lr@C 60 versus Li@C 60. <i>Materials Chemistry and Physics</i> , 2016, 177, 437-441.	4.0	25
25438	Highly sensitive and ultra-selective amperometric nitrite sensor using cyclometalated Rh(III)-complex/CNTs modified glassy carbon electrode integrated with flow injection analysis. <i>Sensors and Actuators B: Chemical</i> , 2016, 233, 107-119.	7.8	22
25439	Performance analysis of junctionless carbon nanotube field effect transistors using NEGF formalism. <i>Modern Physics Letters B</i> , 2016, 30, 1650125.	1.9	4
25440	Optimizing the structure and yield of vanadium oxide nanotubes by periodic 2D layer scrolling. <i>RSC Advances</i> , 2016, 6, 40932-40944.	3.6	18
25441	A Study of Hydrogen Accumulation in Multiwall Carbon Nanotubes by Electrochemical Techniques. <i>Protection of Metals and Physical Chemistry of Surfaces</i> , 2016, 52, 211-217.	1.1	3
25442	Anomalous electrostatic potential properties in carbon nanotube thin films under a weak external electric field. <i>Applied Physics Express</i> , 2016, 9, 045101.	2.4	4
25443	Effect of structural deformation on carrier accumulation in semiconducting carbon nanotubes under an external electric field. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 045101.	1.5	14
25444	A Review on Polymer/Cement Composite with Carbon Nanofiller and Inorganic Filler. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1299-1323.	1.9	16
25445	Functionalization of MWCNTs with silver nanoparticles decorated polypyrrole and their application in antistatic and thermal conductive epoxy matrix nanocomposite. <i>RSC Advances</i> , 2016, 6, 31782-31789.	3.6	41
25446	Superhard superstrong carbon clathrate. <i>Carbon</i> , 2016, 105, 151-155.	10.3	33

#	ARTICLE	IF	CITATIONS
25447	Oxidation of 2,4-dichlorophenol by non-radical mechanism using persulfate activated by Fe/S modified carbon nanotubes. Journal of Colloid and Interface Science, 2016, 469, 277-286.	9.4	106
25448	Prediction of Fracture Pattern in Defective Single Walled Carbon Nanotubes Using Molecular Structural Mechanics. Procedia Technology, 2016, 23, 114-121.	1.1	1
25449	Interfacial doping of carbon nanotubes at the polarisable organic/water interface: a liquid/liquid pseudo-capacitor. Journal of Materials Chemistry A, 2016, 4, 7365-7371.	10.3	16
25450	Giant nonlinear optical responses of carbyne. Journal of Materials Chemistry C, 2016, 4, 4692-4698.	5.5	36
25451	Preparation and photocatalytic activity of WO ₃ /MWCNT nanocomposite for degradation of naphthalene under visible light irradiation. RSC Advances, 2016, 6, 39063-39073.	3.6	78
25452	Electrically conductive adhesives based on thermoplastic polyurethane filled with silver flakes and carbon nanotubes. Composites Science and Technology, 2016, 129, 191-197.	7.8	73
25453	Graphene nanoplatelet reinforced boron carbide composites with high electrical and thermal conductivity. Journal of the European Ceramic Society, 2016, 36, 2679-2687.	5.7	55
25454	Carbon Nanotubes in Biomedical Applications: Factors, Mechanisms, and Remedies of Toxicity. Journal of Medicinal Chemistry, 2016, 59, 8149-8167.	6.4	306
25455	Facile synthesis of highly porous N-doped CNTs/Fe ₃ C and its electrochemical properties. RSC Advances, 2016, 6, 44013-44018.	3.6	13
25456	New emerging radially aligned carbon nano tubes comprised carbon hollow cylinder as an excellent absorber for electromagnetic environmental pollution. Journal of Materials Chemistry C, 2016, 4, 5483-5490.	5.5	21
25457	Thermal buckling of double-layered graphene sheets embedded in an elastic medium with various boundary conditions using a nonlocal new first-order shear deformation theory. Composites Part B: Engineering, 2016, 97, 201-215.	12.0	38
25458	Computational study of the structure, UV-vis absorption spectra and conductivity of biphenylene-based polymers and their boron nitride analogues. RSC Advances, 2016, 6, 49505-49516.	3.6	24
25459	Effect of MWCNT filled epoxy adhesives on the quality of adhesively bonded joints. Plastics, Rubber and Composites, 2016, 45, 166-172.	2.0	16
25460	Polymer Nanocomposites. , 2016, , .		13
25461	THz Devices Based on Carbon Nanomaterials. Nanoscience and Technology, 2016, , 533-549.	1.5	1
25462	First principle study of adsorption of boron-halogenated system on pristine graphyne. Structural Chemistry, 2016, 27, 1221-1227.	2.0	50
25463	Configuration jumps of rotor in a nanomotor from carbon nanostructures. Carbon, 2016, 101, 168-176.	10.3	46
25464	Effective Young's modulus of carbon nanotube/epoxy composites. Composites Part B: Engineering, 2016, 94, 160-166.	12.0	28

#	ARTICLE	IF	CITATIONS
25465	Ultrasonic twin screw compounding of polypropylene with carbon nanotubes, graphene nanoplates and carbon black. <i>European Polymer Journal</i> , 2016, 80, 16-39.	5.4	50
25466	Exposing residual catalyst in a carbon nanotube sponge. <i>RSC Advances</i> , 2016, 6, 45103-45111.	3.6	9
25467	Influence of surface chemistry on the ionic conductivity of vertically aligned carbon nanotube composite membranes. <i>RSC Advances</i> , 2016, 6, 44288-44296.	3.6	1
25468	Energetic interpenetrating polymer network (EIPN): enhanced thermo-mechanical properties of NCO-fMWCNTs/HTPB PU and alkyne-fMWCNTs/acyl-GAP based nanocomposite and its propellants. <i>RSC Advances</i> , 2016, 6, 49101-49112.	3.6	20
25469	Carbon nanotube containing Ag catalyst layers for efficient and selective reduction of carbon dioxide. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8573-8578.	10.3	166
25470	Magical Allotropes of Carbon: Prospects and Applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2016, 41, 257-317.	12.3	167
25471	Electrical conductivity of nanocomposites based on carbon nanotubes: a 3D multiscale modeling approach. <i>Proceedings of SPIE</i> , 2016, , .	0.8	2
25472	Nanomaterials in nuclear engineering and radioecology. <i>Nanotechnologies in Russia</i> , 2016, 11, 63-72.	0.7	2
25473	First principles study of electronic properties, interband transitions and electron energy loss of 1±-graphyne. <i>European Physical Journal B</i> , 2016, 89, 1.	1.5	24
25474	Carbon nanotube and hydrogen production from waste plastic gasification over Ni/Al“SBA-15 catalysts: effect of aluminum content. <i>RSC Advances</i> , 2016, 6, 40731-40740.	3.6	27
25475	Deterioration of the Strong sp ² Carbon Network in Carbon Nanotubes during the Mechanical Dispersion Processing—A Review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2016, 41, 347-366.	12.3	42
25476	Net energy benefits of carbon nanotube applications. <i>Applied Energy</i> , 2016, 173, 624-634.	10.1	38
25477	Nonlocal vibration of axially moving graphene sheet resting on orthotropic visco-Pasternak foundation under longitudinal magnetic field. <i>Physica B: Condensed Matter</i> , 2016, 495, 35-49.	2.7	55
25478	Surface Area of Carbon Nanoparticles: A Dose Metric for a More Realistic Ecotoxicological Assessment. <i>Nano Letters</i> , 2016, 16, 3514-3518.	9.1	39
25479	Photonic gas sensors exploiting directly the optical properties of hybrid carbon nanotube localized surface plasmon structures. <i>Light: Science and Applications</i> , 2016, 5, e16036-e16036.	16.6	67
25480	Processing of Functionalized and Pristine Carbon Nanotube Epoxy Composites with Silane-Treated Glass Fiber. <i>Materials and Manufacturing Processes</i> , 2016, 31, 2044-2056.	4.7	15
25481	<i>Drosophila melanogaster</i> as a suitable in vivo model to determine potential side effects of nanomaterials: A review. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2016, 19, 65-104.	6.5	88
25482	Adsorptive removal of nickel(II) ions from aqueous environment: A review. <i>Journal of Environmental Management</i> , 2016, 179, 1-20.	7.8	204

#	ARTICLE	IF	CITATIONS
25483	Nonlinear optical vibrations of single-walled carbon nanotubes. 1. Energy exchange and localization of low-frequency oscillations. <i>Physica D: Nonlinear Phenomena</i> , 2016, 325, 113-125.	2.8	35
25484	Energy model of radial growth of a nanotubular crystal. <i>Technical Physics Letters</i> , 2016, 42, 55-58.	0.7	12
25485	Biocompatibility evaluation of boron nitride nanotubes. , 2016, , 41-58.		5
25486	Recent advances in organic-inorganic well-defined hybrid polymers using controlled living radical polymerization techniques. <i>Polymer Chemistry</i> , 2016, 7, 3950-3976.	3.9	49
25487	Microstructure and mechanical properties of spark plasma sintered Al ₂ O ₃ -SiC-CNTs hybrid nanocomposites. <i>Ceramics International</i> , 2016, 42, 12330-12340.	4.8	38
25488	Size dependent nonlinear vibration of the tensioned nanobeam based on the modified couple stress theory. <i>Composites Part B: Engineering</i> , 2016, 97, 255-262.	12.0	51
25489	Heterostructured semiconductor nanowire arrays for artificial photosynthesis. <i>Materials Horizons</i> , 2016, 3, 270-282.	12.2	95
25490	Novel approach to percolation threshold on electrical conductivity of carbon nanotube reinforced nanocomposites. <i>RSC Advances</i> , 2016, 6, 43418-43428.	3.6	37
25491	Ostwald's ripening of single-layer carbon nanotubes. <i>Applied Optics</i> , 2016, 55, B4.	1.8	0
25492	Experimental determination of mechanical properties of PMMA reinforced with functionalized CNTs. <i>Composites Part B: Engineering</i> , 2016, 95, 335-345.	12.0	40
25493	Nonlocal frequency analysis of nanosensors with different boundary conditions and attached distributed biomolecules: an approximate method. <i>Acta Mechanica</i> , 2016, 227, 2323-2342.	2.1	10
25494	Relaxations of fluorouracil tautomers by decorations of fullerene-like SiCs: DFT studies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 2160-2166.	2.1	42
25495	Raman Spectra and Corresponding Strain Effects in Graphyne and Graphdiyne. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10605-10613.	3.1	116
25496	Helical polysilane wrapping onto carbon nanotube: preparation, characterization and infrared emissivity property study. <i>RSC Advances</i> , 2016, 6, 7439-7447.	3.6	9
25497	Review of Applications of Polymer/Carbon Nanotubes and Epoxy/CNT Composites. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1167-1191.	1.9	208
25498	Preparation and growth mechanism of one-dimensional NdB ₆ nanostructures: nanobelts, nanoarwls, and nanotubes. <i>RSC Advances</i> , 2016, 6, 41891-41896.	3.6	9
25499	Electromagnetic and mechanical properties of Fe ₃ O ₄ -coated amorphous carbon nanotube/polyvinyl chloride composites. <i>Composite Interfaces</i> , 2016, 23, 901-907.	2.3	6
25500	Towards a holistic environmental impact assessment of carbon nanotube growth through chemical vapour deposition. <i>Journal of Cleaner Production</i> , 2016, 129, 384-394.	9.3	36

#	ARTICLE	IF	CITATIONS
25501	Spin conserved electron transport behaviors in fullerenes (C60 and C70) spin valves. Carbon, 2016, 106, 202-207.	10.3	23
25502	Carbon nanotube-metal oxide nanocomposites: Fabrication, properties and applications. Chemical Engineering Journal, 2016, 302, 344-367.	12.7	242
25503	Carbon-based H ₂ -production photocatalytic materials. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2016, 27, 72-99.	11.6	252
25504	Highly transparent polyimide hybrids for optoelectronic applications. Reactive and Functional Polymers, 2016, 108, 2-30.	4.1	114
25505	Electron Spectroscopy of Single Quantum Objects To Directly Correlate the Local Structure to Their Electronic Transport and Optical Properties. Nano Letters, 2016, 16, 3661-3667.	9.1	14
25506	Functionalisation of MWCNTs with poly(lauryl acrylate) polymerised by Cu(0)-mediated and RAFT methods. Polymer Chemistry, 2016, 7, 3884-3896.	3.9	21
25507	Distances on nanotubical structures. Journal of Mathematical Chemistry, 2016, 54, 1575-1584.	1.5	7
25508	Free Vibration Analysis of Carbon Nanotubes by Using Finite Element Method. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 2016, 40, 43-55.	1.3	14
25509	Carbon nanotube modification of microbial fuel cell electrodes. Biosensors and Bioelectronics, 2016, 85, 536-552.	10.1	116
25510	Binder/surfactant-free biocathode with bilirubin oxidase for gas-diffusion-type system. Electrochemistry Communications, 2016, 66, 58-61.	4.7	15
25511	Longitudinal vibration and instabilities of carbon nanotubes conveying fluid considering size effects of nanoflow and nanostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 164-173.	2.7	85
25512	Catalytic action of graphene oxide towards the growth of carbon nanotubes. Materials Letters, 2016, 178, 292-295.	2.6	4
25513	Pseudocarbynes: Charge-Stabilized Carbon Chains. Journal of Physical Chemistry Letters, 2016, 7, 1675-1681.	4.6	46
25514	From brittle to ductile: a structure dependent ductility of diamond nanothread. Nanoscale, 2016, 8, 11177-11184.	5.6	84
25515	Thermal Stability and Degradation of Polymer Nanocomposites. , 2016, , 167-190.		2
25516	Manufacture and evaluation of cup-stacked carbon nanofiber-modified screen printed electrodes as electrochemical tools. Journal of Electroanalytical Chemistry, 2016, 775, 129-134.	3.8	9
25517	Synthesis and conductivity study on polyaniline/BaFe/silver (PANI+BaFe+Ag) nanocomposite with plasma treatment. Materials Technology, 2016, , 1-6.	3.0	1
25518	Thermomechanical Analysis of Polymer Nanocomposites. , 2016, , 191-242.		0

#	ARTICLE	IF	CITATIONS
25519	Pharmaceutical Nanotechnology. , 2016, , .		27
25520	Carbon nanotube hybrid nanostructures: future generation conducting materials. Journal of Materials Chemistry A, 2016, 4, 9347-9361.	10.3	47
25521	Molecular Dynamics Simulation of Carbon Nanostructures: The Nanotubes. Carbon Materials, 2016, , 1-12.	1.2	1
25522	1D Oxide Nanostructures Obtained by Sol-Gel and Hydrothermal Methods. SpringerBriefs in Materials, 2016, , .	0.3	2
25523	Mechanical reinforcement of PBO fibers by dicarboxylic acid functionalized carbon nanotubes through in situ copolymerization. RSC Advances, 2016, 6, 86245-86252.	3.6	7
25524	Conformational Thermodynamics of DNA Strands in Hydrophilic Nanopores. Journal of Physical Chemistry C, 2016, 120, 20357-20367.	3.1	5
25525	Unstable behavior of anodic arc discharge for synthesis of nanomaterials. Journal Physics D: Applied Physics, 2016, 49, 345201.	2.8	22
25526	Self-supported tungsten/tungsten dioxide nanowires array as an efficient electrocatalyst in the hydrogen evolution reaction. RSC Advances, 2016, 6, 89815-89820.	3.6	10
25528	Study of the Dynamics of 5CB Thin Layer Placed on the Fullerene Wall: Computer Simulations. Springer Proceedings in Physics, 2016, , 15-21.	0.2	0
25529	Synthesis and characterization of nanocomposites based on poly(3-hexylthiophene)-graft-carbon nanotubes with LiNi _{0.5} Mn _{1.5} O ₄ and its application as potential cathode materials for lithium-ion batteries. Bulletin of Materials Science, 2016, 39, 1177-1184.	1.7	4
25530	Where Are the Nanodrugs? An Industry Perspective on Development of Drug Products Containing Nanomaterials. AAPS Journal, 2016, 18, 1351-1353.	4.4	80
25531	Zinc oxide nanorod doped graphene for high efficiency organic photovoltaic devices. RSC Advances, 2016, 6, 87319-87324.	3.6	3
25533	Single-Layered and Single-Crystalline Graphene Quantum Dots from 2D Polycyclic Compounds. Particle and Particle Systems Characterization, 2016, 33, 811-817.	2.3	9
25534	Automated multi-plug filtration cleanup for liquid chromatographic tandem mass spectrometric pesticide multi-residue analysis in representative crop commodities. Journal of Chromatography A, 2016, 1462, 19-26.	3.7	37
25535	Hydrogen Storage in Pressure Vessels: Liquid, Cryogenic, and Compressed Gas. , 2016, , 124-141.		2
25536	Enhancement in hydrogen molecule adsorption on B ₁₂ N ₁₂ nano-cluster by decoration of nickel. International Journal of Hydrogen Energy, 2016, 41, 22182-22191.	7.1	100
25537	Imperfection sensitivity of postbuckling behaviour of functionally graded carbon nanotube-reinforced composite beams. Thin-Walled Structures, 2016, 108, 225-233.	5.3	58
25538	Investigation of Thermal and Chirality Effects on Vibration of Single-Walled Carbon Nanotubes Embedded in a Polymeric Matrix Using Nonlocal Elasticity Theories. Mechanics of Composite Materials, 2016, 52, 555-568.	1.4	18

#	ARTICLE	IF	CITATIONS
25539	Endohedrally Doped Carbon Nanotubes. , 2016, , 385-414.		1
25540	CVD-Synthesized Carbon Nanotubes. , 2016, , 353-372.		0
25541	Carbon Nanotube Fibers. , 2016, , 373-400.		0
25542	Functionalized Carbon Nanotubes. , 2016, , 431-444.		0
25544	Guidance of cell adhesion and migration by graphitic nanopetals on carbon fibers. Materials Letters, 2016, 184, 211-215.	2.6	4
25545	Development of high oxidation resistant coating of nanostructured MgO on carbon nanotubes via simple precipitation technique in Mg/CO gas system. Ceramics International, 2016, 42, 18573-18578.	4.8	5
25546	The stable orientations analysis of linearly arrayed C ₁₀ H ₁₆ molecules in single-walled carbon nanotube by using the multiple-molecule model. Chinese Journal of Physics, 2016, 54, 424-432.	3.9	2
25548	A novel design of ultrafast micro-CT system based on carbon nanotube: A feasibility study in phantom. Physica Medica, 2016, 32, 1302-1307.	0.7	10
25549	Fabrication of lithium manganese oxide nanoribbons by electrospinning: A general strategy and formation mechanism. Materials and Design, 2016, 112, 429-435.	7.0	7
25550	Stable double helical iodine chains inside single-walled carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2781-2785.	2.1	1
25551	First-principles study of the crystal structures and physical properties of H ₁₈ -BN and Rh ₆ -BN. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 3891-3896.	2.1	16
25552	Influence of Multi-walled Carbon Nanotubes in Carbon Black Mixture on Rubber Properties. Procedia Engineering, 2016, 152, 689-693.	1.2	3
25553	Effect of a low gas pressure plasma treatment on copper substrate used for carbon nanotubes synthesis. Surface and Coatings Technology, 2016, 306, 279-284.	4.8	2
25554	ZnO based heterojunctions and their application in environmental photocatalysis. Nanotechnology, 2016, 27, 402001.	2.6	80
25555	Investigation of mesoporous carbon materials by magnetic solid phase extraction of selected phthalates from water samples. Adsorption Science and Technology, 2016, 34, 426-438.	3.2	2
25556	Classification of Nanomaterials and Nanocomposites. , 2016, , 5-36.		4
25557	Multiscale metrologies for process optimization of carbon nanotube polymer composites. Carbon, 2016, 108, 381-393.	10.3	24
25558	Adhesion of a micro-/nano- beam/plate to a sinusoidal/grooved surface. International Journal of Solids and Structures, 2016, 99, 40-47.	2.7	6

#	ARTICLE	IF	CITATIONS
25559	Negative differential resistance in BN co-doped coaxial carbon nanotube field effect transistor. Superlattices and Microstructures, 2016, 100, 375-380.	3.1	12
25560	Electronic and optical properties of boron and nitrogen pair co-doped 6,6,12-graphyne nanosheet. Carbon, 2016, 110, 313-320.	10.3	25
25561	Vibration analysis of horn-shaped single-walled carbon nanotubes embedded in viscoelastic medium under a longitudinal magnetic field. International Journal of Mechanical Sciences, 2016, 118, 219-230.	6.7	27
25562	The tube length dependence of topological resonance energy in armchair carbon nanotubes. Synthetic Metals, 2016, 221, 176-178.	3.9	0
25563	Theoretical study of chemisorption of cyanuric fluoride and S-triazine on the surface of Al-doped graphene. Molecular Simulation, 2016, 42, 1519-1527.	2.0	15
25564	Aerogels: Cellulose-Based. , 2016, , 37-75.		3
25565	Anomalous Enhancement of Li ⁺ Battery Performance with Li ₂ O ₂ Films Assisted by NiFeO _x Nanofiber Catalysts: Insights into Morphology Control. Advanced Functional Materials, 2016, 26, 8290-8299.	14.9	47
25566	Effect of SWCNT introduction in random copolymers on material properties and fibroblast long term culture stability. Polymer Degradation and Stability, 2016, 132, 220-230.	5.8	8
25567	Highly Efficient and Predictable Noncovalent Dispersion of Single-Walled and Multi-Walled Carbon Nanotubes by Cellulose Nanocrystals. Journal of Physical Chemistry C, 2016, 120, 22694-22701.	3.1	48
25568	Simulation of structure and stability of carbon nanoribbons. Russian Journal of General Chemistry, 2016, 86, 1777-1786.	0.8	2
25570	Physics of transparent conductors. Advances in Physics, 2016, 65, 553-617.	14.4	96
25571	Lowly loaded carbon nanotubes induced high electrical conductivity and giant magnetoresistance in ethylene/1-octene copolymers. Polymer, 2016, 103, 315-327.	3.8	69
25572	Dynamics of Humic Acid and Its Interaction with Uranyl in the Presence of Hydrophobic Surface Implicated by Molecular Dynamics Simulations. Environmental Science & Technology, 2016, 50, 11121-11128.	10.0	34
25573	Graphdiyne as a High-Efficiency Membrane for Separating Oxygen from Harmful Gases: A First-Principles Study. ACS Applied Materials & Interfaces, 2016, 8, 28166-28170.	8.0	68
25574	Effect of the calculation method and the basis set on the structure and electrical properties of (4,4) carbon nanotubes with different lengths and open ends. Journal of Structural Chemistry, 2016, 57, 649-657.	1.0	1
25575	Reliable Diameter Control of Carbon Nanotube Nanobundles Using Withdrawal Velocity. Nanoscale Research Letters, 2016, 11, 385.	5.7	2
25576	Nanotechnology and Its Drug Delivery Applications. , 2016, , 1-32.		8
25577	Torsional vibration of carbon nanotube with axial velocity and velocity gradient effect. International Journal of Mechanical Sciences, 2016, 119, 88-96.	6.7	47

#	ARTICLE	IF	CITATIONS
25579	The influence of chitin nanocrystals on structural evolution of ultra-high molecular weight polyethylene/chitin nanocrystal fibers in hot-drawing process. Chinese Journal of Polymer Science (English Edition), 2016, 34, 1373-1385.	3.8	9
25580	A novel method of functionalizing carbon nanotubes via neutralization reaction. Materials Letters, 2016, 185, 523-525.	2.6	3
25581	Use of Carbon Nanotubes as a Solid Support To Establish Quantitative (Centrifugation) and Qualitative (Filtration) Immunoassays To Detect Gentamicin Contamination in Commercial Milk. Journal of Agricultural and Food Chemistry, 2016, 64, 7874-7881.	5.2	15
25582	Arc Discharge: Arc Discharge Synthesis of Carbon Nanomaterials for Energy Device Application. , 2016, , 46-57.		0
25584	Solid-phase microextraction of ultra-trace amounts of tramadol from human urine by using a carbon nanotube/flower-shaped zinc oxide hollow fiber. Journal of Separation Science, 2016, 39, 4449-4457.	2.5	15
25585	Computation of the size-dependent elastic moduli of nano-fibrous and nano-porous composites by FFT. Composites Science and Technology, 2016, 135, 159-171.	7.8	9
25586	SmHCF/multiwalled carbon nanotube modified glassy carbon electrode for the determination of codeine. Journal of Electroanalytical Chemistry, 2016, 780, 68-74.	3.8	16
25587	Influence of Ni-CNTs additions on the microstructure and mechanical properties of extruded Mg-9Al alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 678, 101-109.	5.6	34
25588	Disentangling Vacancy Oxidation on Metallicity-Sorted Carbon Nanotubes. Journal of Physical Chemistry C, 2016, 120, 18316-18322.	3.1	8
25589	Solution-processed ultra-low-k thin films comprising single-walled aluminosilicate nanotubes. Nanoscale, 2016, 8, 17427-17432.	5.6	11
25590	Template-free hydrothermal synthesis of amphibious fluorescent carbon nanorice towards anti-counterfeiting applications and unleashing its nonlinear optical properties. RSC Advances, 2016, 6, 99060-99071.	3.6	10
25591	All-Carbon Thin-Film Transistors as a Step Towards Flexible and Transparent Electronics. Advanced Electronic Materials, 2016, 2, 1600229.	5.1	32
25592	Microbial Electrochemical Systems with Future Perspectives using Advanced Nanomaterials and Microfluidics. Advanced Energy Materials, 2016, 6, 1600690.	19.5	20
25593	Hollow Carbon Nanocapsules. , 2016, , 337-352.		0
25596	Preparation of vertically aligned carbon nanotube/polyaniline composite membranes and the flash welding effect on their supercapacitor properties. RSC Advances, 2016, 6, 98598-98605.	3.6	15
25597	Imogolite-Like Family. Developments in Clay Science, 2016, 7, 458-483.	0.5	2
25598	Emerging Nanomaterials for Analytical Detection. Comprehensive Analytical Chemistry, 2016, 74, 195-246.	1.3	10
25599	Configuration transition between graphene and nanoscroll using kinetic energy injecting method. Computational Materials Science, 2016, 125, 146-153.	3.0	7

#	ARTICLE	IF	CITATIONS
25600	Residual rubber shielded multi walled carbon nanotube electrodes for neural interfacing in active medical implants. <i>Physics in Medicine</i> , 2016, 1, 8-19.	1.3	12
25601	Revisiting the calcination-induced multi-layer hollowing of electrospun solid fibers. <i>CrystEngComm</i> , 2016, 18, 8637-8644.	2.6	3
25602	Carbon nanocone as an electronic sensor for HCl gas: Quantum chemical analysis. <i>Vacuum</i> , 2016, 134, 40-47.	3.5	54
25603	Recent Development of Carbon Nanotube Transparent Conductive Films. <i>Chemical Reviews</i> , 2016, 116, 13413-13453.	47.7	391
25604	High-Energy-Synthesized Carbon-Related Nanomaterials. , 2016, , 159-186.		0
25605	Conjugated Carbon Nanocapsules. , 2016, , 429-444.		0
25606	Versatile Method to Expand the Morphology Library of Block Copolymer Solution Self-Assemblies with Tubular Structures. <i>ACS Macro Letters</i> , 2016, 5, 1180-1184.	4.8	26
25607	Supramolecular Double-Helix Formation by Diastereoisomeric Conformations of Configurationally Enantiomeric Macrocycles. <i>Journal of the American Chemical Society</i> , 2016, 138, 14469-14480.	13.7	42
25608	C_{20} carbon: a novel superhard C_{30} carbon allotrope with large cavities. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 475402.	1.8	30
25609	Review of Recent Advances in Carbon Nanotube Biosensors Based on Field-Effect Transistors. <i>Nano LIFE</i> , 2016, 06, 1642006.	0.9	14
25610	Ultra high performance cement-based composites incorporating low dosage of plasma synthesized carbon nanotubes. <i>Materials and Design</i> , 2016, 108, 479-487.	7.0	63
25611	The electrical resistance of electrodes made of multi walled carbon nanotubes is modulated by nIR-laser. <i>Microelectronic Engineering</i> , 2016, 166, 45-49.	2.4	6
25612	Grafting of multi-sensitive PDMAEMA brushes onto carbon nanotubes by ATNRC: tunable thickening/thinning and self-assembly behaviors in aqueous solutions. <i>RSC Advances</i> , 2016, 6, 92305-92315.	3.6	6
25613	Combining graphene with silicon carbide: synthesis and properties – a review. <i>Semiconductor Science and Technology</i> , 2016, 31, 113004.	2.0	38
25614	Boundary conditions at closed edge of bilayer graphene and energy bands of collapsed nanotubes. <i>Physical Review B</i> , 2016, 94, .	3.2	3
25615	A review of the impact of preparation on stability of carbon nanotube nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 78, 253-263.	5.6	63
25616	Functionalised carbon nanotubes: From intracellular uptake and cell-related toxicity to systemic brain delivery. <i>Journal of Controlled Release</i> , 2016, 241, 200-219.	9.9	157
25617	Functionalized-Graphene Composites: Fabrication and Applications in Sustainable Energy and Environment. <i>Chemistry of Materials</i> , 2016, 28, 8082-8118.	6.7	179

#	ARTICLE	IF	CITATIONS
25618	Dielectric properties of composite materials containing aligned carbon nanotubes. Inorganic Materials, 2016, 52, 1198-1203.	0.8	5
25619	Dispersion of Carbon Nanomaterials. , 2016, , 247-263.		3
25620	Recent Development of Transparent Conducting Oxide-Free Flexible Thin-Film Solar Cells. Advanced Functional Materials, 2016, 26, 8855-8884.	14.9	82
25621	Nanoparticles Types, Classification, Characterization, Fabrication Methods and Drug Delivery Applications. , 2016, , 33-93.		199
25622	Synthesis, Structure, and Reactivity of a Cylinder-Shaped Cyclo[12]orthophenylene[6]ethynylene: Toward the Synthesis of Zigzag Carbon Nanobelts. Organic Letters, 2016, 18, 5352-5355.	4.6	34
25623	Development of a controlled-release drug delivery system by encapsulating oxaliplatin into SPIO/MWNT nanoparticles for effective colon cancer therapy and magnetic resonance imaging. Biomaterials Science, 2016, 4, 1742-1753.	5.4	31
25624	Near infrared photoluminescence modulation of single-walled carbon nanotubes based on a molecular recognition approach. Chemical Communications, 2016, 52, 12972-12975.	4.1	52
25625	Design of Assembled Systems Based on Conjugated Polyphenylene Derivatives and Carbon Nanohorns. Chemistry - A European Journal, 2016, 22, 11643-11651.	3.3	4
25626	Nonplanar Butterfly-Shaped π -Expanded Pyrrolopyrroles. Chemistry - A European Journal, 2016, 22, 16478-16488.	3.3	69
25627	Layered double hydroxide- and graphene-based hierarchical nanocomposites: Synthetic strategies and promising applications in energy conversion and conservation. Nano Research, 2016, 9, 3598-3621.	10.4	103
25628	Immunization with functionalized carbon nanotubes enhances the antibody response against model antigen ovalbumin. Immunology Letters, 2016, 178, 77-84.	2.5	4
25629	Controlling the morphology of Vertically-aligned carbon nanotubes using Langmuir-Blodgett deposited CoFe ₂ O ₄ , Fe ₃ O ₄ , and Fe nanoparticles with palmitic acid. Thin Solid Films, 2016, 616, 662-672.	1.8	3
25630	Smart Fabrics and Networked Clothing: Recent developments in CNT-based fibers and their continual refinement. IEEE Consumer Electronics Magazine, 2016, 5, 105-111.	2.3	27
25631	Collision of 3D bipolar light pulses in an array of carbon nanotubes. , 2016, , .		0
25632	Natural Polymer Drug Delivery Systems. , 2016, , .		114
25633	Preparation of BiVO ₄ /Bi ₂ WO ₆ /multi-walled carbon nanotube nanocomposites for enhancing photocatalytic performance. Materials Letters, 2016, 185, 507-510.	2.6	24
25634	Exfoliation of graphite into graphene in aqueous solution: an application as graphene/TiO ₂ nanocomposite to improve visible light photocatalytic activity. RSC Advances, 2016, 6, 93048-93055.	3.6	26
25636	Improving the mechanical behavior of the adhesively bonded joints using RGO additive. International Journal of Adhesion and Adhesives, 2016, 70, 277-286.	2.9	45

#	ARTICLE	IF	CITATIONS
25637	Carbon nanotubes and nanofibers as strain and damage sensors for smart cement. <i>Materials Today Communications</i> , 2016, 8, 196-204.	1.9	63
25638	Rotation measurements of a thermally driven rotary nanomotor with a spring wing. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22478-22486.	2.8	26
25639	Graphene/Carbon Nanotube Aerogels. , 2016, , 563-578.		1
25640	Mixed convective peristaltic flow of carbon nanotubes submerged in water using different thermal conductivity models. <i>Computer Methods and Programs in Biomedicine</i> , 2016, 135, 141-150.	4.7	21
25641	Synthesis, morphology investigation and thermal mechanical properties of dopamine-functionalized multi-walled carbon nanotube/poly(amide-imide) composites. <i>Reactive and Functional Polymers</i> , 2016, 106, 112-119.	4.1	22
25642	Ligancy-Driven Controlling of Covalency and Metallicity in a Ruthenium Two-Dimensional System. <i>Chemistry of Materials</i> , 2016, 28, 5784-5790.	6.7	3
25643	Enzymatic Biofuel Cells on Porous Nanostructures. <i>Small</i> , 2016, 12, 4649-4661.	10.0	50
25644	Nanoreactors Based on Porphyrin-Functionalized Carbon Compounds. , 2016, , 463-518.		0
25645	Experimental study on the thermal and mechanical properties of MWCNT/polymer and Cu/polymer composites. <i>Applied Thermal Engineering</i> , 2016, 107, 907-917.	6.0	33
25646	Magnetic Alignment of Fullerene Nanowhiskers. , 2016, , 143-152.		1
25647	Facile fabrication of carbon spheres/n-Si junction diodes based on sucrose. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 13044-13051.	2.2	6
25648	Carbon Nanotube Nanoreactors for Chemical Transformations. , 2016, , 111-157.		1
25649	Dramatic increase in electrical conductivity in epoxy composites with uni-directionally oriented laminae of carbon nanotubes. <i>Chemical Engineering Journal</i> , 2016, 304, 970-976.	12.7	21
25650	Large-Scale Direct Patterning of Aligned Single-Walled Carbon Nanotube Arrays Using Dip-Pen Nanolithography. <i>Chemistry of Materials</i> , 2016, 28, 6471-6476.	6.7	20
25653	All-amorphous CNT-MnO ₂ nanoflaky hybrid for improved supercapacitor applications. <i>Journal of Electroanalytical Chemistry</i> , 2016, 778, 12-22.	3.8	61
25654	Acidified multi-wall carbon nanotubes/polyaniline composites with high negative permittivity. <i>Organic Electronics</i> , 2016, 38, 55-60.	2.6	17
25655	Outlook and Challenges of Nanotechnologies for Food Packaging. <i>Packaging Technology and Science</i> , 2016, 29, 615-648.	2.8	86
25656	Analytical modeling of dynamic behavior of piezo-thermo-electrically affected sigmoid and power-law graded nanoscale beams. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	17

#	ARTICLE	IF	CITATIONS
25657	Improvement of the electromagnetic shielding properties of C/SiC composites by electrophoretic deposition of carbon nanotube on carbon fibers. Carbon, 2016, 109, 149-153.	10.3	107
25658	Amperometric sensor based on multi-walled carbon nanotube and poly (Bromocresol purple) modified carbon paste electrode for the sensitive determination of L-tyrosine in food and biological samples. Journal of Electroanalytical Chemistry, 2016, 778, 32-40.	3.8	42
25659	Interaction of nitrogen molecule with pristine and doped graphyne nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 84, 330-339.	2.7	39
25660	A novel one-step synthesis method for cuprous nanoparticles on multi-walled carbon nanotubes with high catalytic activity. Ceramics International, 2016, 42, 17916-17919.	4.8	10
25661	Solvation of C ₆₀ Fullerene and C ₆₀ F ₄₈ Fluorinated Fullerene in Molecular and Ionic Liquids. Journal of Physical Chemistry C, 2016, 120, 19396-19408.	3.1	11
25662	Strain effects on the electronic and transport properties of TiO ₂ nanotubes. RSC Advances, 2016, 6, 80431-80437.	3.6	5
25663	Two-dimensional inorganic analogues of graphene: transition metal dichalcogenides. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150318.	3.4	62
25664	Synthesis and Characterization of LiZn Ferrites/Carbon Nanotubes (CNTs) Temperature Control Biomaterials. Key Engineering Materials, 0, 680, 189-192.	0.4	0
25665	Interfacial modification and enhancement of toughening mechanisms in epoxy composites with CNTs grafted on carbon fibers. Composites Science and Technology, 2016, 134, 89-95.	7.8	59
25666	Electrocatalytic performances of multi-walled carbon nanotubes chemically modified by metal phthalocyanines in Li/SOCl ₂ batteries. RSC Advances, 2016, 6, 75632-75639.	3.6	9
25667	Fullerene and nanotube growth: new insights using first principles and molecular dynamics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150327.	3.4	7
25668	Reinforced and hardened three-phase-foams. Cement and Concrete Composites, 2016, 73, 174-184.	10.7	11
25669	Molecular dynamics simulations of simple aromatic compounds adsorption on single-walled carbon nanotubes. RSC Advances, 2016, 6, 80972-80980.	3.6	8
25670	Phosphorus-Substituted Carboranes in Catalysis. , 2016, , 549-598.		1
25671	Spiral Growth of SnSe ₂ Crystals by Chemical Vapor Deposition. Advanced Materials Interfaces, 2016, 3, 1600383.	3.7	55
25672	Reactivity of Single-Walled Carbon Nanotubes in the Diels-Alder Cycloaddition Reaction: Distortion-Interaction Analysis along the Reaction Pathway. Chemistry - A European Journal, 2016, 22, 12819-12824.	3.3	21
25673	Poly(ethylene succinate) nanocomposites containing inorganic WS ₂ nanotubes with improved thermal properties: A kinetic study. Composites Part B: Engineering, 2016, 98, 496-507.	12.0	10
25674	Shape-controlled iron oxide nanocrystals: synthesis, magnetic properties and energy conversion applications. CrystEngComm, 2016, 18, 6303-6326.	2.6	61

#	ARTICLE	IF	CITATIONS
25675	Correction: Î ² -Sialon nanowires, nanobelts and hierarchical nanostructures: morphology control, growth mechanism and cathodoluminescence properties. <i>Nanoscale</i> , 2016, 8, 14279-14279.	5.6	3
25676	3D Macroscopic Graphene Assemblies. , 2016, , 281-294.		0
25677	Polymer Devices with Graphene: Solar Cells and Ultracapacitors. , 2016, , 209-226.		1
25678	Formation and Stability of Low-Dimensional Structures for Group VIIIB and IB Transition Metals: The Role of $sd^{4/5}$ Hybridization. <i>Advanced Science</i> , 2016, 3, 1500314.	11.2	7
25679	Synthesis and Electrochemical Lithium Storage Behavior of Carbon Nanotubes Filled with Iron Sulfide Nanoparticles. <i>Advanced Science</i> , 2016, 3, 1600113.	11.2	44
25680	Origin of the Surfactant-Dependent Redox Chemistry of Single-Wall Carbon Nanotubes. <i>ChemNanoMat</i> , 2016, 2, 911-920.	2.8	16
25681	Preparation, loading, and cytotoxicity analysis of polymer nanotubes from an ethylene glycol dimethacrylate homopolymer in comparison to multi-walled carbon nanotubes. <i>Journal of Interdisciplinary Nanomedicine</i> , 2016, 1, 9-18.	3.6	8
25682	High Efficient Mesoporous Co_3O_4 Nanocatalysts For Methane Combustion at Low Temperature. <i>ChemistrySelect</i> , 2016, 1, 979-983.	1.5	8
25683	Not Just Lumber—Using Wood in the Sustainable Future of Materials, Chemicals, and Fuels. <i>Jom</i> , 2016, 68, 2395-2404.	1.9	40
25684	Synthesis, Classification, and Properties of Nanomaterials. , 2016, , 83-133.		20
25685	Role of hemoglobin and transferrin in multi-wall carbon nanotube-induced mesothelial injury and carcinogenesis. <i>Cancer Science</i> , 2016, 107, 250-257.	3.9	36
25686	Surface-Energy-Driven Growth of ZnO Hexagonal Microtube Optical Resonators. <i>Advanced Optical Materials</i> , 2016, 4, 126-134.	7.3	19
25687	(Bio)electroanalytical Applications of Carbon Nanoparticles. <i>Electroanalysis</i> , 2016, 28, 46-57.	2.9	10
25688	Nanocarbon Electrochemistry and Electroanalysis: Current Status and Future Perspectives. <i>Electroanalysis</i> , 2016, 28, 27-34.	2.9	79
25689	mRNAs and miRNAs in whole blood associated with lung hyperplasia, fibrosis, and bronchioloalveolar adenoma and adenocarcinoma after multi-walled carbon nanotube inhalation exposure in mice. <i>Journal of Applied Toxicology</i> , 2016, 36, 161-174.	2.8	36
25690	Transient absorption microscopy: advances in chemical imaging of photoinduced dynamics. <i>Laser and Photonics Reviews</i> , 2016, 10, 62-81.	8.7	64
25691	Tunable electronic and magnetic properties of two-dimensional materials and their one-dimensional derivatives. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2016, 6, 324-350.	14.6	71
25692	The origin and future of oxidative stress pathology: From the recognition of carcinogenesis as an iron addiction with ferroptosis-resistance to non-thermal plasma therapy. <i>Pathology International</i> , 2016, 66, 245-259.	1.3	90

#	ARTICLE	IF	CITATIONS
25693	A Top-Down Fabrication Process for Vertical Hollow Silicon Nanopillars. Journal of Microelectromechanical Systems, 2016, 25, 662-667.	2.5	13
25694	Modified Electronic Properties of Graphene. , 2016, , 167-182.		0
25695	Self-Organized Criticality, Percolation, and Electrical Instability in Graphene Analogs. , 2016, , 209-220.		0
25696	Graphene Applications. , 2016, , 665-686.		0
25697	Electronic Properties of Carbon Nanotubes and Their Applications in Electrochemical Sensors and Biosensors. , 2016, , 653-664.		0
25698	Structure and Physico-Chemical Properties of Single Layer and Few-Layer TMDCs. Springer Series in Materials Science, 2016, , 109-163.	0.6	0
25699	Optimization and spectroscopic studies on carbon nanotubes/PVA nanocomposites. Results in Physics, 2016, 6, 456-460.	4.1	48
25700	Three-Dimensional Printing of Highly Conductive Carbon Nanotube Microarchitectures with Fluid Ink. ACS Nano, 2016, 10, 8879-8887.	14.6	109
25701	The dissipation of field emitting carbon nanotubes in an oxygen environment as revealed by in situ transmission electron microscopy. Nanoscale, 2016, 8, 16405-16415.	5.6	19
25702	Thermal and mechanical properties of single-walled and multi-walled carbon nanotube polycarbonate polyurethane composites with a focus on self-healing. International Journal of Materials Research, 2016, 107, 692-702.	0.3	4
25703	Ultrafast Photophysics of Single-Walled Carbon Nanotubes. Advanced Optical Materials, 2016, 4, 1670-1688.	7.3	28
25704	Simultaneous determination of five bioactive constituents in Rhizoma Chuanxiong by capillary electrophoresis with a carbon nanotube-polydimethylsiloxane composite electrode. Journal of Pharmaceutical and Biomedical Analysis, 2016, 131, 107-112.	2.8	20
25705	Thermomechanical vibration of curved functionally graded nanobeam based on nonlocal elasticity. Journal of Thermal Stresses, 2016, 39, 1252-1267.	2.0	35
25706	Microwave Engineering for Synthesizing Clays and Modifying Properties in Zeolites. , 2016, , 179-210.		0
25707	Effect of Curvature on Carbon Chemical Shielding in Extended Carbon Systems. Journal of Physical Chemistry A, 2016, 120, 7011-7019.	2.5	10
25708	Layer-by-layer Assembly Of Biopolymers Onto Soft And Porous Gels. , 2016, , 209-246.		2
25709	DFT simulation towards evaluation the molecular structure and properties of the heterogeneous C16Mg8O8 nano-cage as selective nano-sensor for H2 and N2 gases. Journal of Molecular Graphics and Modelling, 2016, 70, 163-169.	2.4	16
25710	Role of a singlet diradical character in carbon nanomaterials: a novel hot spot for efficient nonlinear optical materials. Nanoscale, 2016, 8, 17998-18020.	5.6	83

#	ARTICLE	IF	CITATIONS
25712	Facile growth of carbon nanotubes coated with carbon nanoparticles: A potential low-cost hybrid nanoadditive for improved mechanical, electrical, microstructural and crystalline properties of cement mortar matrix. <i>Construction and Building Materials</i> , 2016, 123, 829-846.	7.2	21
25713	The properties and applications of helical carbon fibers and related materials: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 44, 23-42.	5.8	42
25714	Direct Fabrication of Functional Ultrathin Single-Crystal Nanowires from Quasi-One-Dimensional van der Waals Crystals. <i>Nano Letters</i> , 2016, 16, 6188-6195.	9.1	37
25715	Non-covalent Functionalization of Carbon Nanotubes for Efficient Gene Delivery. <i>Springer Proceedings in Physics</i> , 2016, , 355-370.	0.2	6
25716	Multi-residue determination of 171 pesticides in cowpea using modified QuEChERS method with multi-walled carbon nanotubes as reversed-dispersive solid-phase extraction materials. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1031, 99-108.	2.3	64
25717	A possible formation mechanism of double-walled and multi-walled carbon nanotube: a molecular dynamics study. <i>Materials Research Express</i> , 2016, 3, 095001.	1.6	2
25718	Size effects on the infrared responses of boron carbide nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 84, 548-554.	2.7	3
25719	Optimized preparation conditions of TiO ₂ deposited on SiO ₂ solid superacid nanotubes as filler materials. <i>RSC Advances</i> , 2016, 6, 83244-83255.	3.6	0
25721	The decoration of multi-walled carbon nanotubes with nickel oxide nanoparticles using chemical method. <i>International Nano Letters</i> , 2016, 6, 183-190.	5.0	29
25722	Theoretical study of chemisorption of hydrogen atoms on (5, 5) silicon carbide nanotubes with and without Stone-Wales defects. <i>Computational and Theoretical Chemistry</i> , 2016, 1093, 67-72.	2.5	8
25723	Two porous coordination polymers containing helix-based metal-organic nanotubes based on trigonal N-donor ligand. <i>Inorganic Chemistry Communication</i> , 2016, 72, 65-68.	3.9	13
25724	Relationship between morphology and electrical properties in PP/MWCNT composites: Processing-induced anisotropic percolation threshold. <i>Materials Chemistry and Physics</i> , 2016, 180, 284-290.	4.0	27
25725	Theoretical investigation of energy spectrum of carbon nanotubes in the frame of strong related state conception. <i>Synthetic Metals</i> , 2016, 220, 292-299.	3.9	3
25726	Enhanced dielectric performance of polyvinylidene fluoride composites with an all-carbon hybrid architecture: vertically aligned carbon nanotube arrays on graphite nanoplatelets. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8911-8919.	5.5	27
25727	Scalable preparation of monodisperse micron-sized carbon microspheres and their application in anion-exchange chromatography. <i>RSC Advances</i> , 2016, 6, 88633-88639.	3.6	4
25728	Contact resistance of multi-walled carbon nanotube/natural rubber nanocomposites with metallic ball. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 99, 82-85.	4.0	5
25729	Nonthermal Plasma Synthesis of Nanocrystals: Fundamental Principles, Materials, and Applications. <i>Chemical Reviews</i> , 2016, 116, 11061-11127.	47.7	309
25730	Functionalization of Carbon Nanotube and Applications. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2016, , 31-61.	0.4	15

#	ARTICLE	IF	CITATIONS
25731	Mechanism of cement/carbon nanotube composites with enhanced mechanical properties achieved by interfacial strengthening. Construction and Building Materials, 2016, 115, 87-92.	7.2	64
25732	Specific Molecular Interaction and Recognition at Single-Walled Carbon Nanotube Surfaces. Langmuir, 2016, 32, 12323-12331.	3.5	7
25733	Effect of the gradient constant temperature on the electrochemical capacitance of cotton stalk-based activated carbon. Journal of Solid State Electrochemistry, 2016, 20, 2315-2321.	2.5	6
25734	Effect of an encapsulate carbon nanotubes (CNTs) on structural and electrical properties of PU/PVC nanocomposites. Physica B: Condensed Matter, 2016, 502, 48-55.	2.7	76
25735	Electrochemical determination of citalopram on new Schiff base functionalized magnetic Fe ₃ O ₄ nanoparticle/MWCNTs modified glassy carbon electrode. Journal of Electroanalytical Chemistry, 2016, 780, 160-168.	3.8	22
25736	Computational study on the fullerene-like B ₄₀ borospherene properties and its interaction with ammonia. Journal of Molecular Liquids, 2016, 223, 315-320.	4.9	26
25737	Calculation of Raman parameters of real-size zigzag (n, 0) single-walled carbon nanotubes using finite-size models. Physical Chemistry Chemical Physics, 2016, 18, 25058-25069.	2.8	13
25738	Removal of Ozone by Carbon Nanotubes/Quartz Fiber Film. Environmental Science & Technology, 2016, 50, 9592-9598.	10.0	29
25739	Computational design of multi-states monomolecular device using molecular hydrogen and C ₂₀ isomers. Physics of the Solid State, 2016, 58, 1476-1482.	0.6	2
25740	Preliminary construction of integral analysis for characteristic components in complex matrices by in-house fabricated solid-phase microextraction fibers combined with gas chromatography-mass spectrometry. Journal of Chromatography A, 2016, 1461, 18-26.	3.7	8
25741	Significant enhancement of electrochemical behaviour by incorporation of carboxyl group functionalized carbon nanotubes into polyaniline based supercapacitor. European Polymer Journal, 2016, 83, 53-59.	5.4	42
25742	C ₉₆ H ₃₀ tailored single-layer and single-crystalline graphene quantum dots. Physical Chemistry Chemical Physics, 2016, 18, 25002-25009.	2.8	17
25743	Progress in the remote-controlled activation of self-healing processes. Smart Materials and Structures, 2016, 25, 084018.	3.5	15
25744	Calixarenes and Pillarenes on Surfaces. , 2016, , 965-985.		0
25745	Micro-/Nanorobots. Springer Handbooks, 2016, , 671-716.	0.6	6
25746	Heterogeneous Catalytic Production of Nitrogen-Containing Macrotubes from Acetonitrile Using Iron Nanoparticles. Theoretical and Experimental Chemistry, 2016, 52, 170-174.	0.8	0
25747	Electrochemical behavior of hybrid carbon nanomaterials: the chemistry behind electrochemistry. Electrochimica Acta, 2016, 214, 286-294.	5.2	10
25748	Carbon Nanofiber Electrode Arrays for Smart Deep Brain Stimulation: Exploring growth and new applications. IEEE Nanotechnology Magazine, 2016, 10, 6-11.	1.3	1

#	ARTICLE	IF	CITATIONS
25749	Locally Defect-Engineered Graphene Nanoribbon Field-Effect Transistor. IEEE Transactions on Electron Devices, 2016, 63, 3769-3775.	3.0	9
25750	In vitro evaluation of osteoblast responses to carbon nanotube-coated titanium surfaces. Progress in Orthodontics, 2016, 17, 23.	3.5	24
25752	Investigation on thermal and cryogenic behaviour of carbon nanotube spun yarns using a dynamic mechanical analyser. Journal of Materials Science, 2016, 51, 8434-8441.	3.7	5
25753	Structural and Electronic Properties of Graphdiyne Carbon Nanotubes from Large-Scale DFT Calculations. Journal of Physical Chemistry C, 2016, 120, 18871-18877.	3.1	70
25754	Computer simulation of size effects and adsorption properties of one-wall carbon nanotubes (6,6). Russian Journal of General Chemistry, 2016, 86, 1684-1691.	0.8	4
25755	Synthesis and property studies of hollow nanostructures. CrystEngComm, 2016, 18, 7399-7409.	2.6	19
25756	The interaction between Boron-carbon-nitride heteronanotubes and lithium atoms: Role of composition proportion. Chemical Physics Letters, 2016, 658, 230-233.	2.6	6
25757	Conformational Thermodynamics of DNA Strands in Hydrophilic Nanopores. Journal of Physical Chemistry B, 2016, , .	2.6	0
25758	Substrate effect on the properties of functionalized multiwalled carbon nanotubes grown by e-beam evaporation for high performance H ₂ O ₂ detection. Analyst, The, 2016, 141, 6149-6159.	3.5	11
25759	Self-assembly modified-mushroom nanocomposite for rapid removal of hexavalent chromium from aqueous solution with bubbling fluidized bed. Scientific Reports, 2016, 6, 26201.	3.3	14
25760	A universal synthetic route to carbon nanotube/transition metal oxide nano-composites for lithium ion batteries and electrochemical capacitors. Scientific Reports, 2016, 6, 37752.	3.3	58
25761	Mechanical properties of two-dimensional materials and heterostructures. Journal of Materials Research, 2016, 31, 832-844.	2.6	84
25762	In vivo characterization of hair and skin derived carbon quantum dots with high quantum yield as long-term bioprobes in zebrafish. Scientific Reports, 2016, 6, 37860.	3.3	44
25763	Nanomaterial-based stretchable and transparent electrodes. Journal of Information Display, 2016, 17, 131-141.	4.0	33
25764	Thermal stability of diamond-like carbon nanothreads. JETP Letters, 2016, 104, 193-196.	1.4	15
25765	Anisotropic Nonlinear Mechanical Behavior in Carbon Nanotubes/Poly(1,4-cis-isoprene) Nanocomposites. Macromolecules, 2016, 49, 8686-8696.	4.8	12
25766	Synergistic strengthening effect of nanocrystalline copper reinforced with carbon nanotubes. Scientific Reports, 2016, 6, 26258.	3.3	45
25767	Understanding the significance of O-doped graphene towards biomedical applications. RSC Advances, 2016, 6, 114264-114275.	3.6	34

#	ARTICLE	IF	CITATIONS
25768	Optimal thermal design of CMOS for direct integration of carbon nanotubes. , 2016, , .		1
25769	Studying the Effect of Different Environmental Conditions on the Tensile Strength of RGO Reinforced Adhesively Bonded Butt Joints. Journal of Failure Analysis and Prevention, 2016, 16, 1134-1140.	0.9	3
25770	Fast water transmission of zigzag graphyne-3 nanotubes. RSC Advances, 2016, 6, 109099-109104.	3.6	7
25771	Chapter 3 Nanocomposites Based on Block Copolymers and Carbon Nanotubes. , 2016, , 69-110.		0
25772	Fluoro-edenite and carbon nanotubes: The health impact of “asbestos-like” fibres. Experimental and Therapeutic Medicine, 2016, 11, 21-27.	1.8	23
25773	Porous CY carbon: a new semiconducting phase with an sp^1 - sp^2 - sp^3 bonding network. RSC Advances, 2016, 6, 112035-112039.	3.6	7
25774	Surpassing the Exciton Diffusion Limit in Single-Walled Carbon Nanotube Sensitized Solar Cells. ACS Nano, 2016, 10, 11258-11265.	14.6	22
25775	CNFET With Process Imperfection: Impact on Circuit-Level Yield and Device Optimization. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 2209-2221.	5.4	6
25776	Hierarchical lightweight composite materials for structural applications. MRS Bulletin, 2016, 41, 672-677.	3.5	40
25777	Fabrication of $Al_{2}O_{3}$ and Ni -CNTs nanocomposites by co-precipitation of CNTs and Ni nanoparticle on $Al_{2}O_{3}$ powder and spark plasma sintering. Journal of the Ceramic Society of Japan, 2016, 124, 898-902.	1.1	0
25778	Polyhydroxyalkanoate/carbon nanotube nanocomposites: flexible electrically conducting elastomers for neural applications. Nanomedicine, 2016, 11, 2547-2563.	3.3	37
25779	Metal-catalyzed cross-coupling reactions with supported nanoparticles: Recent developments and future directions. Catalysis Reviews - Science and Engineering, 2016, 58, 439-496.	12.9	19
25781	Strain sensing and structural health monitoring using nanofilms and nanocomposites. , 2016, , 303-326.		2
25782	Prion like behavior of HSA-hydroxylated MWCNT interface. Journal of Photochemistry and Photobiology B: Biology, 2016, 161, 411-421.	3.8	1
25783	Stereoisomerism in Nanohoops with Heterogeneous Biaryl Linkages of E/Z - and R/S -Geometries. ACS Central Science, 2016, 2, 740-747.	11.3	37
25784	An easy synthetic way to exfoliate and stabilize MWCNTs in a thermoplastic pyrrole-containing matrix assisted by hydrogen bonds. RSC Advances, 2016, 6, 85829-85837.	3.6	14
25785	Stress transfer properties of carbon nanotube reinforced polymer composites at low temperature environments. Composites Part B: Engineering, 2016, 106, 356-365.	12.0	24
25786	cif2tube “ Algorithm for constructing nanotube and nanoscroll models from crystallographic information files. Journal of the Taiwan Institute of Chemical Engineers, 2016, 68, 415-422.	5.3	2

#	ARTICLE	IF	CITATIONS
25807	Experimental and theoretical analyses of ZnO nanoparticles deposited onto single-wall carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 541-546.	2.1	1
25808	Electrical and optical properties of reduced graphene oxide and multi-walled carbon nanotubes based nanocomposites: A comparative study. Optical Materials, 2016, 60, 105-113.	3.6	40
25809	Three-dimensional macro-structures of two-dimensional nanomaterials. Chemical Society Reviews, 2016, 45, 5541-5588.	38.1	280
25810	Graphene-Based Elastomer Nanocomposites: Functionalization Techniques, Morphology, and Physical Properties. Advances in Polymer Science, 2016, , 267-318.	0.8	9
25811	Heat transfer enhancement of nanofluids using iron nanoparticles decorated carbon nanotubes. Applied Thermal Engineering, 2016, 107, 1008-1018.	6.0	43
25812	Structural and electronic properties of linear carbon chains encapsulated by flattened nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 84, 444-453.	2.7	11
25813	Carbon nanotubes in Li-ion batteries: A review. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2016, 213, 12-40.	3.5	127
25814	Fabrication and Applications of Biocompatible Graphene Oxide and Graphene. , 2016, , 143-150.		5
25815	Wafer-Scale Chemical Vapor Deposition of High-Quality Graphene on Evaporated Cu Film. , 2016, , 265-286.		0
25816	Synthesis Methods for Graphene. , 2016, , 31-46.		0
25817	Molecular dynamics simulations of the morphology transformations in unzipped carbon nanotubes. Chemical Physics Letters, 2016, 658, 97-102.	2.6	0
25818	Self-assembly of carbon nanotubes in polymer melts: simulation of structural and electrical behaviour by hybrid particle-field molecular dynamics. Nanoscale, 2016, 8, 15538-15552.	5.6	37
25819	The use of isocyanide-based multicomponent reaction for covalent immobilization of Rhizomucor miehei lipase on multiwall carbon nanotubes and graphene nanosheets. RSC Advances, 2016, 6, 72275-72285.	3.6	28
25820	Effect of functionalization and charging on resonance energy and radial breathing modes of metallic carbon nanotubes. Physical Review B, 2016, 93, .	3.2	5
25821	Body-Centered Orthorhombic $C_{16}H_{10}^{+}$: A Novel Topological Node-Line Semimetal. Physical Review Letters, 2016, 116, 195501.	7.8	170
25822	Physical properties of low-dimensional carbon nanostructures. Reviews of Modern Physics, 2016, 88, .	4.6	160
25823	Stability of functionalized corannulene cations $[R\ddot{C}_{20}H_{10}]^{+}$: An influence of the nature of R Group. Journal of Computational Chemistry, 2016, 37, 2266-2278.	3.3	8
25824	Simulation of Dimensionality Effects in Thermal Transport. Lecture Notes in Physics, 2016, , 275-304.	0.7	3

#	ARTICLE	IF	CITATIONS
25825	Nonlinear primary resonance of third-order shear deformable functionally graded nanocomposite rectangular plates reinforced by carbon nanotubes. <i>Composite Structures</i> , 2016, 154, 707-723.	5.8	44
25826	A photochemical approach to aromatic extension of the corannulene nucleus. <i>Chemical Communications</i> , 2016, 52, 9957-9960.	4.1	29
25827	The transport properties of silicon and carbon nanotubes at the atomic scale: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23643-23650.	2.8	9
25828	Carbon-nickel nanocomposite templates as predefined stable catalysts for diameter-controlled growth of single-walled carbon nanotubes. <i>Nanoscale</i> , 2016, 8, 14888-14897.	5.6	10
25829	Tuning of Elastic Properties of Nanotubes by Imposing a Transverse Electric Field: Computational Approach. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17801-17809.	3.1	5
25830	Vibration and Instability Analysis of Double-Carbon Nanotubes System Conveying Fluid. <i>Journal of Nanomechanics & Micromechanics</i> , 2016, 6, 04016008.	1.4	2
25831	Composites based on acrylic polymers and carbon nanotubes as precursors of carbon materials. <i>Polymer Science - Series C</i> , 2016, 58, 85-92.	1.7	2
25832	Surface Charge-Transfer Doping of Graphene Nanoflakes Containing Double-Vacancy (5â€5) and Stone-Wales (5â€7) Defects through Molecular Adsorption. <i>ChemPhysChem</i> , 2016, 17, 3289-3299.	2.1	10
25833	In situ grafting of polybutylene terephthalate onto multi-walled carbon nanotubes by melt extrusion, and characteristics of their composites with polybutylene terephthalate. <i>Composites Science and Technology</i> , 2016, 132, 101-107.	7.8	15
25834	Toughness Reinforcement in Carbon Nanotube-Filled High Impact Polypropylene Copolymer with Î²-Nucleating Agent. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8733-8742.	3.7	16
25835	Ethanol flame synthesis of carbon nanotubes in deficient oxygen environments. <i>Nanotechnology</i> , 2016, 27, 165602.	2.6	10
25836	Carbon NanoTube based logic gates structure for low power consumption at nano-scaled era. , 2016, , .		2
25838	Nonlinear vibration of nanobeam with attached mass at the free end via nonlocal elasticity theory. <i>Microsystem Technologies</i> , 2016, 22, 2349-2359.	2.0	15
25839	Direct growth by arc discharge and computational study of zinc sulfide nanotubes. <i>Journal of Materials Science</i> , 2016, 51, 9716-9722.	3.7	1
25840	Photoresponse of a Single Y-Junction Carbon Nanotube. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19024-19030.	8.0	8
25841	Probing the spontaneous reduction mechanism of platinum ions confined in the nanospace by X-ray absorption fine structure spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19259-19266.	2.8	10
25842	The role of solvent polarity in the electronic properties, stability and reactivity trend of a tryptophane/Pd doped SWCNT novel nanobiosensor from polar protic to non-polar solvents. <i>RSC Advances</i> , 2016, 6, 64818-64825.	3.6	62
25843	Metallic and semiconducting carbon nanotubes separation using an aqueous two-phase separation technique: a review. <i>Nanotechnology</i> , 2016, 27, 332002.	2.6	24

#	ARTICLE	IF	CITATIONS
25844	Tuning Surface Properties of Low Dimensional Materials via Strain Engineering. <i>Small</i> , 2016, 12, 4028-4047.	10.0	56
25845	Carbon Nanotube: Synthesis and Application in Solar Cell. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 1231-1242.	3.7	57
25846	A computational study on the surface modification of BN nanocluster by para-substituted styrene. <i>Computational and Theoretical Chemistry</i> , 2016, 1091, 72-77.	2.5	3
25847	Mesoscale Growth and Assembly of Bright Luminescent Organolead Halide Perovskite Quantum Wires. <i>Chemistry of Materials</i> , 2016, 28, 5043-5054.	6.7	63
25848	Free transverse vibration of double-walled carbon nanotubes embedded in viscoelastic medium. <i>Acta Mechanica</i> , 2016, 227, 3657-3670.	2.1	14
25849	Nonlinear analysis of size-dependent and material-dependent nonlocal CNTs. <i>Composite Structures</i> , 2016, 153, 902-913.	5.8	40
25850	Dirac electrons on three-dimensional graphitic zeolites: A scalable mass gap. <i>Physical Review B</i> , 2016, 93, .	3.2	7
25851	Catalytic combustion of methane over Pd/MWCNTs under lean fuel conditions. <i>Journal of Fuel Chemistry and Technology</i> , 2016, 44, 928-936.	2.0	6
25852	The effect of size scale parameters on the structural behavior of carbon nanotube based nano-actuator. , 2016, , .		2
25853	Molecular dynamics study on thermal transport at carbon nanotube interface junctions: Effects of mechanical force and chemical functionalization. <i>International Journal of Heat and Mass Transfer</i> , 2016, 103, 1058-1064.	4.8	29
25854	Fabrication of a carbon nanotube-polyurethane composite electrode by in situ polyaddition for use in amperometric detection in capillary electrophoresis. <i>Mikrochimica Acta</i> , 2016, 183, 2579-2587.	5.0	14
25855	Nanostructured multilayer thin films of multiwalled carbon nanotubes/gold nanoparticles/glutathione for the electrochemical detection of dopamine. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 1204-1214.	4.9	2
25856	Rotating carbon nanotube membrane filter for water desalination. <i>Scientific Reports</i> , 2016, 6, 26183.	3.3	52
25857	Mechanoactive materials in cardiac science. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7350-7362.	5.8	8
25858	Laser synthesis of a copperâ€“single-walled carbon nanotube nanocomposite via molecular-level mixing and non-equilibrium solidification. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 495301.	2.8	9
25859	Use of Carbon Nanotubes for the Analysis of Pesticide Residues in Fruits and Vegetables. <i>Journal of AOAC INTERNATIONAL</i> , 2016, 99, 1415-1425.	1.5	5
25861	Nonlinear Structural Mechanics of Micro-and Nanosystems. , 2016, , 127-195.		0
25862	Studies of RTV silicone rubber nanocomposites based on graphitic nanofillers. <i>Polymer Testing</i> , 2016, 56, 369-378.	4.8	39

#	ARTICLE	IF	CITATIONS
25863	Synthesis of Fe_2O_3 /carbon nanocomposites as high capacity electrodes for next generation lithium ion batteries: a review. Journal of Materials Chemistry A, 2016, 4, 18223-18239.	10.3	85
25864	Purification and dispersibility of multi-walled carbon nanotubes in aqueous solution. Russian Journal of Physical Chemistry A, 2016, 90, 2619-2624.	0.6	5
25865	Rheological Properties of Thermoplastic Materials with Carbon Fillers. , 2016, , 145-172.		0
25866	Ultra-Sensitive Breath Sensor Device for Sleep Disorder Monitoring and Clinical Studying. Materials Science Forum, 0, 846, 484-489.	0.3	2
25867	La_2O_3 Promoted Pd/rGO Electro-catalysts for Formic Acid Oxidation. ACS Applied Materials & Interfaces, 2016, 8, 32581-32590.	8.0	46
25868	Performance investigation of 32nm hybrid current conveyor. , 2016, , .		1
25869	Can We Optimize Arc Discharge and Laser Ablation for Well-Controlled Carbon Nanotube Synthesis?. Nanoscale Research Letters, 2016, 11, 510.	5.7	87
25870	Mathematical Analysis of MWCNT Based Aluminum Alloy Metal Matrix Composite. Applied Mechanics and Materials, 2016, 852, 98-103.	0.2	0
25871	Phosphorus incorporation in single-walled carbon nanotubes produced by low-pressure CVD. Physica Status Solidi (B): Basic Research, 2016, 253, 2528-2533.	1.5	2
25872	Fabrication of carbon nanotube nanocomposites via layer-by-layer assembly and evaluation in biomedical application. Nanomedicine, 2016, 11, 3087-3101.	3.3	7
25873	Size-dependent thermal stability analysis of embedded functionally graded annular nanoplates based on the nonlocal elasticity theory. International Journal of Mechanical Sciences, 2016, 119, 396-411.	6.7	38
25874	Molecular Behavior of Water on Titanium Dioxide Nanotubes: A Molecular Dynamics Simulation Study. Journal of Chemical & Engineering Data, 2016, 61, 4131-4138.	1.9	12
25875	Nonlinear Optical Materials for the Smart Filtering of Optical Radiation. Chemical Reviews, 2016, 116, 13043-13233.	47.7	472
25876	Sorption behaviour of Pu^{4+} and PuO_2^{2+} on amido amine-functionalized carbon nanotubes: experimental and computational study. RSC Advances, 2016, 6, 107011-107020.	3.6	23
25877	Novel dual material gate carbon nanotube field-effect transistor based on stepwise doping profile channel. , 2016, , .		0
25878	Macroscopic Hexagonal Tubes of Pd of Metalloccycles. Angewandte Chemie - International Edition, 2016, 55, 15574-15578.	13.8	91
25879	Specific Intermolecular Interactions by the Localized π -Electrons in C_{70} fullerene. ChemistrySelect, 2016, 1, 5900-5904.	1.5	11
25880	Thermo-mechanical analysis of FG nanobeam with attached tip mass: an exact solution. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	4

#	ARTICLE	IF	CITATIONS
25881	Enhanced optoelectronic performances of vertically aligned hexagonal boron nitride nanowalls-nanocrystalline diamond heterostructures. Scientific Reports, 2016, 6, 29444.	3.3	13
25882	Mass production of CNTs using CVD multi-quartz tubes. Journal of Mechanical Science and Technology, 2016, 30, 5135-5141.	1.5	38
25883	Atomistic Study of Carbon Nanotubes: Effect of Cut-Off Distance. , 2016, , 293-300.		1
25884	Fast Monte Carlo Simulation-based Process Design and Planning for Carbon Nanotube Synthesis. Procedia Manufacturing, 2016, 5, 1357-1368.	1.9	1
25885	Collisions of three-dimensional bipolar optical solitons in an array of carbon nanotubes. Physical Review A, 2016, 94, .	2.5	22
25886	The influence of external transverse magnetic field in propagation of electrostatic oscillations in single-walled carbon nanotubes. European Physical Journal D, 2016, 70, 1.	1.3	4
25887	The nanomaterial toolkit for neuroengineering. Nano Convergence, 2016, 3, 25.	12.1	20
25888	CMOS Scaling. , 2016, , 15-40.		0
25889	Carbyne: A One Dimensional Carbon Allotrope. , 2016, , 3-25.		1
25890	Transition Metal/Carbon Nanocomposites. , 2016, , 603-624.		0
25891	Nanographiteâ€“Polymer Composites. , 2016, , 647-673.		1
25892	Cubic Carbon Polymorphs. , 2016, , 141-156.		0
25893	The Effects of Reaction Temperature on the Morphology and the Quality of the Carbon Nanotube - Silica Microparticles. Advanced Materials Research, 2016, 1133, 467-470.	0.3	0
25894	Theoretical investigation about the optical characterization of coneâ€“shaped pinâ€“Si nanowire for top cell application. Energy Science and Engineering, 2016, 4, 383-393.	4.0	6
25895	Electronic properties of graphyne nanotubes filled with small fullerenes: a density functional theory study. Journal of Computational Electronics, 2016, 15, 1263-1268.	2.5	29
25896	Multilevel composite using carbon nanotube fibers (CNTF). Composites Science and Technology, 2016, 137, 35-43.	7.8	28
25897	New route for hollow materials. Scientific Reports, 2016, 6, 32107.	3.3	11
25898	Fabrication of biocompatible nanohybrid shish-kebab-structured carbon nanotubes with a mussel-inspired layer. RSC Advances, 2016, 6, 101660-101670.	3.6	14

#	ARTICLE	IF	CITATIONS
25899	Ultra-long MWCNTs highly oriented in electrospun PVDF/MWCNT composite nanofibers with enhanced \hat{I}^2 phase. RSC Advances, 2016, 6, 106690-106696.	3.6	25
25900	Electronic structure characterization of an individual single-walled carbon nanotube by in situ electrochemical surface-enhanced Raman scattering spectroscopy. Nanoscale, 2016, 8, 19093-19098.	5.6	6
25901	Cost effective synthesis of MWCNTs/PANI composites. Materials Research Express, 2016, 3, 105002.	1.6	2
25902	Sustained arc temperature: better marker for phase transformation of carbon black to multiwalled carbon nanotubes in arc discharge method. Materials Research Express, 2016, 3, 105030.	1.6	5
25903	Chapter 7 Recent Advances in Synthesis and Applications of Metal-Added Carbon Nanotubes and Graphenes. , 2016, , 307-330.		0
25904	9 Carbon Nanotubes: Update and New Pathways. , 2016, , 93-150.		0
25905	Trends in the production of nanotubes from carbon precursors. Coke and Chemistry, 2016, 59, 235-242.	0.4	1
25906	Investigation of heavy metal atoms adsorption onto graphene and graphdiyne surface: A density functional theory study. Superlattices and Microstructures, 2016, 100, 1094-1102.	3.1	73
25907	Reconstructing the plinian and co-ignimbrite sources of large volcanic eruptions: A novel approach for the Campanian Ignimbrite. Scientific Reports, 2016, 6, 21220.	3.3	47
25908	One-dimensional nanowires of pseudoboehmite (aluminum oxyhydroxide \hat{I}^3 -AlOOH). Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11759-11764.	7.1	24
25909	Enhancement of Natural Convection by Carbon Nanotube Films Covered Microchannel-Surface for Passive Electronic Cooling Devices. ACS Applied Materials & Interfaces, 2016, 8, 31202-31211.	8.0	32
25910	Atomic scale observation of oxygen delivery during silver \hat{I}° oxygen nanoparticle catalysed oxidation of carbon nanotubes. Nature Communications, 2016, 7, 12251.	12.8	24
25911	Morphological and crystallinity differences in nitrogen-doped carbon nanotubes grown by chemical vapour deposition decomposition of melamine over coal fly ash. RSC Advances, 2016, 6, 76773-76779.	3.6	20
25912	Adjustable hydrazine modulation of single-wall carbon nanotube network field effect transistors from p-type to n-type. Nanotechnology, 2016, 27, 445203.	2.6	9
25913	Training the old dog new tricks: the applications of the Biginelli reaction in polymer chemistry. Science China Chemistry, 2016, 59, 1541-1547.	8.2	40
25914	Tensile Characterization of Single-Walled Carbon Nanotubes with Helical Structural Defects. Scientific Reports, 2016, 6, 20324.	3.3	32
25915	Distribution behavior of superparamagnetic carbon nanotubes in an aqueous system. Scientific Reports, 2016, 6, 32845.	3.3	3
25916	cm-Length free-standing Fe ₃ C-filled thin graphite-like films and buckypaper-like films with high smoothness. RSC Advances, 2016, 6, 99960-99968.	3.6	1

#	ARTICLE	IF	CITATIONS
25917	Effect of alkaline earth metal at the single wall CNT mouth on the electronic structure and second hyperpolarizability. Journal of Theoretical and Computational Chemistry, 2016, 15, 1650040.	1.8	4
25918	Straight and Rod-like Core-Sheath Crystals of Solution-Crystallized Poly(μ -caprolactone)/Multiwalled Carbon Nanotube Nanocomposites. Crystal Growth and Design, 2016, 16, 6817-6827.	3.0	13
25919	<i>Ab initio</i> prediction of superdense tetragonal and monoclinic polymorphs of carbon. Physical Review B, 2016, 94, .	3.2	18
25920	Schwefel in der modernen Materialwissenschaft. Angewandte Chemie, 2016, 128, 15712-15729.	2.0	43
25921	Sulfur and Its Role In Modern Materials Science. Angewandte Chemie - International Edition, 2016, 55, 15486-15502.	13.8	332
25922	Carbon Nanotube TFTs. , 2016, , 1145-1183.		0
25923	Electronic Properties of Homo- and Heterobilayer Graphyne: The Idea of a Nanocapacitor. Journal of Physical Chemistry C, 2016, 120, 26579-26587.	3.1	57
25924	Physicochemical and rheological properties of titania and carbon nanotubes in a channel with changing walls. Multidiscipline Modeling in Materials and Structures, 2016, 12, 619-634.	1.3	4
25925	Review- Methods in Improving the Performance of Carbon Nanotube Field Effect Transistors. ECS Journal of Solid State Science and Technology, 2016, 5, M131-M140.	1.8	23
25926	Development of carbon nanotube-based biosensors. International Journal of Nano and Biomaterials, 2016, 6, 83.	0.1	13
25927	Coupling carbon nanomaterials with photochromic molecules for the generation of optically responsive materials. Nature Communications, 2016, 7, 11118.	12.8	217
25928	Remote joule heating assisted carrier transport in MWCNTs probed at nanosecond time scale. Physical Chemistry Chemical Physics, 2016, 18, 28932-28938.	2.8	4
25929	A field emission nano-focus x-ray source with effective electron beam focusing module. , 2016, , .		0
25930	An Effective Route for the Room Temperature Formation of Pd Coatings on Multiwalled Carbon Nanotubes in Aqueous Solutions. Bulletin of the Korean Chemical Society, 2016, 37, 1604-1611.	1.9	0
25931	Carbon Polymer Nanocomposites. , 2016, , 265-297.		3
25932	Chitosan nanocomposites based on distinct inorganic fillers for biomedical applications. Science and Technology of Advanced Materials, 2016, 17, 626-643.	6.1	66
25935	A glutathione biosensor based on a glassy carbon electrode modified with CdO nanoparticle-decorated carbon nanotubes in a nafion matrix. Mikrochimica Acta, 2016, 183, 3255-3263.	5.0	42
25936	Mechanical properties of polyimide/multi-walled carbon nanotube composite fibers. Chinese Journal of Polymer Science (English Edition), 2016, 34, 1386-1395.	3.8	13

#	ARTICLE	IF	CITATIONS
25937	Thermal conducting properties of aligned carbon nanotubes and their polymer composites. Composites Part A: Applied Science and Manufacturing, 2016, 91, 351-369.	7.6	99
25938	Carbon nanotube reinforced cementitious composites: An overview. Composites Part A: Applied Science and Manufacturing, 2016, 91, 301-323.	7.6	214
25939	Polyaniline-based glucose biosensor: A review. Journal of Electroanalytical Chemistry, 2016, 782, 138-153.	3.8	130
25940	Structurally uniform and atomically precise carbon nanostructures. Nature Reviews Materials, 2016, 1, .	48.7	417
25941	Preparation of micron sized graphite using a spark plasma technique. RSC Advances, 2016, 6, 50776-50779.	3.6	5
25942	A three-dimensional vertically aligned carbon nanotube/polyaniline composite as a supercapacitor electrode. RSC Advances, 2016, 6, 110592-110599.	3.6	15
25943	Hematite decorated multi-walled carbon nanotubes ($\text{Fe}_2\text{O}_3/\text{MWCNTs}$) as sorbents for Cu(II) and Cr(VI): comparison of hybrid sorbent performance to its nanomaterial building blocks. RSC Advances, 2016, 6, 99997-100007.	3.6	21
25944	High-power Q-switched erbium-ytterbium codoped fiber laser using multiwalled carbon nanotubes saturable absorber. Optical Engineering, 2016, 55, 106112.	1.0	8
25945	Theoretical Study on the Mechanism of the Thermal Retro-Cycloaddition of Isoxazolinofullerenes. Journal of Physical Chemistry A, 2016, 120, 8830-8842.	2.5	6
25946	Theoretical design of magnetic wires from acene and nanocorone derivatives. Dalton Transactions, 2016, 45, 16700-16708.	3.3	7
25947	Functionalized carbon nanotubes and their promising applications in therapeutics and diagnostics. , 2016, , 455-478.		27
25948	Characterizing the strength and elasticity deviation in defective CNT reinforced composites. Composites Communications, 2016, 2, 9-14.	6.3	8
25949	From nano to giant? Designing carbon nanotubes for rubber reinforcement and their applications for high performance tires. Composites Science and Technology, 2016, 137, 94-101.	7.8	58
25950	Quasiparticle approach to diffusional atomic scale self-assembly of complex structures: from disorder to complex crystals and double-helix polymers. Npj Computational Materials, 2016, 2, .	8.7	16
25951	Templating for hierarchical structure control in carbon materials. Nanoscale, 2016, 8, 18828-18848.	5.6	34
25952	Assembly of a CNT-FET based on nanorobotic manipulation system inside a SEM. , 2016, , .		0
25953	Dispergation and modification of multi-walled carbon nanotubes in aqueous solution. Russian Journal of Physical Chemistry A, 2016, 90, 2230-2236.	0.6	7
25954	Applications of Carbon Nanomaterials in Biosensor. , 2016, , 103-134.		0

#	ARTICLE	IF	CITATIONS
25956	Do Goethite Surfaces Really Control the Transport and Retention of Multi-Walled Carbon Nanotubes in Chemically Heterogeneous Porous Media?. Environmental Science & Technology, 2016, 50, 12713-12721.	10.0	47
25957	A smart temperature and magnetic-responsive gating carbon nanotube membrane for ion and protein transportation. Scientific Reports, 2016, 6, 32130.	3.3	15
25958	Carbon nanotube fibers and films: synthesis, applications and perspectives of the direct-spinning method. Nanoscale, 2016, 8, 19475-19490.	5.6	108
25959	Thermoelectric properties of CNTs/Mn _{0.7} Zn _{0.3} Fe ₂ O ₄ composite fabricated by spark plasma sintering. Materials Research Express, 2016, 3, 106303.	1.6	3
25960	Quantitative theory of diffraction by ordered coaxial nanotubes: reciprocal-lattice and diffraction pattern indexing. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, 684-695.	0.1	2
25961	Measurements of the work function of single-walled carbon nanotubes encapsulated by AgI, AgCl, and CuBr using kelvin probe technique with different kinds of probes. Journal of Experimental and Theoretical Physics, 2016, 123, 143-148.	0.9	6
25962	Progress Film Forming Technique by the Aerosol Gas Deposition Method (History, Mechanism and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Powder Metallurgy, 2016, 63, 937-946.	0.2	10
25963	Nanotube Sheet - Graphite Hybrid Nanocomposite for Damage Detection. , 2016, , 69-76.		0
25964	Growth of Single-Walled Carbon Nanotubes from Diamond Crystals Synthesized by Chemical Vapor Deposition. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2016, 67, 380-382.	0.2	0
25965	Interaction between fullerene halves C _n (n ≈ 40) and single wall carbon nanotube. AIP Conference Proceedings, 2016, , .	0.4	1
25966	Raman mapping investigation of single-walled carbon nanotube bending in bottom-contact field-effect-transistor devices. Journal of Applied Physics, 2016, 120, 094302.	2.5	0
25967	Dispersion and Reinforcing Mechanism of Carbon Nanotubes in a Ceramic Material. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 955-964.	0.2	2
25968	The Interaction Potential of an Open Nanotube and its Permeability: Molecular Dynamics Simulation. EPJ Web of Conferences, 2016, 110, 01061.	0.3	3
25969	Cr(VI) Adsorption to Magnetic Iron Oxide Nanoparticle-Modified Multi-Walled Carbon Nanotube Adsorbents. Water Environment Research, 2016, 88, 2111-2120.	2.7	16
25970	Trivacancy defects and their effects on the electronic and vibrational properties of single-walled carbon nanotubes. , 2016, , .		0
25971	Effect of multi-walled carbon nanotubes on thermal properties of nitrate molten salts. , 2016, , .		8
25972	New bibliometric analysis of research institutions network. , 2016, , .		0
25973	Multiwalled carbon nanotubes sensor for organic liquid detection at room temperature. AIP Conference Proceedings, 2016, , .	0.4	0

#	ARTICLE	IF	CITATIONS
25974	Studies on electrical properties of MgO/Pr ₆ O ₁₁ nanocomposite. Nanomaterials and Nanotechnology, 2016, 6, 184798041666727.	3.0	7
25975	Spectroscopic investigations on oxidized multi-walled carbon nanotubes. AIP Conference Proceedings, 2016, , .	0.4	4
25976	Effects of catalyst support and chemical vapor deposition condition on synthesis of multi-walled carbon nanocoils. AIP Conference Proceedings, 2016, , .	0.4	0
25977	Patterned Carbon Nanotube Growth on Convex Cylindrical Stainless Steel Substrates for the Production of Coronary Stents. , 2016, , .		1
25978	WEAR BEHAVIOUR OF CARBON NANOTUBES REINFORCED NANOCRYSTALLINE AA 4032 COMPOSITES. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012080.	0.6	0
25979	Energetics and electronic structure of tubular Si vacancies filled with carbon nanotubes. Japanese Journal of Applied Physics, 2016, 55, 055101.	1.5	1
25980	Pristine carbon nanotubes based resistive temperature sensor. AIP Conference Proceedings, 2016, , .	0.4	0
25981	Rheological Properties of Thermoplastic Polyurethane/Multi-Walled Carbon Nanotube Nanocomposites. Key Engineering Materials, 0, 699, 18-24.	0.4	1
25982	Semi empirical hardness predictive model for AZ91 nanocomposite. AIP Conference Proceedings, 2016, , .	0.4	0
25983	Conductivity of single-walled carbon nanotubes. Journal of Experimental and Theoretical Physics, 2016, 123, 1084-1089.	0.9	6
25984	Characterization of nanographitized activated porous carbons. Nanotechnologies in Russia, 2016, 11, 791-800.	0.7	1
25985	Structural, thermal and electrical characterizations of multiwalled carbon nanotubes and polyaniline composite. AIP Conference Proceedings, 2016, , .	0.4	0
25986	Electrolytic hydrogen absorption by double- or triple-walled carbon nanotubes. Protection of Metals and Physical Chemistry of Surfaces, 2016, 52, 771-777.	1.1	1
25987	Origin of a Raman scattering peak generated in single-walled carbon nanotubes by X-ray irradiation and subsequent thermal annealing. AIP Advances, 2016, 6, 085303.	1.3	3
25988	Carbon Nanotubeâ€Based Chemical Sensors. Small, 2016, 12, 2118-2129.	10.0	155
25989	Absorption behavior of small biomolecules on carbon nanotube by density functional theory. Integrated Ferroelectrics, 2016, 169, 58-63.	0.7	3
25991	Printed Carbon Nanotube Electronics and Sensor Systems. Advanced Materials, 2016, 28, 4397-4414.	21.0	369
25992	Preparation and Characterization of Newly Discovered Fibrous Aggregates of Singleâ€Walled Carbon Nanohorns. Advanced Materials, 2016, 28, 7174-7177.	21.0	20

#	ARTICLE	IF	CITATIONS
25993	Continuous Preparation of Copper/Carbon Nanotube Composite Films and Application in Solar Cells. ChemSusChem, 2016, 9, 296-301.	6.8	7
25994	Stability Study of Ring-like Sheet of Ag Atoms Wrapping a CNT. Journal of the Chinese Chemical Society, 2016, 63, 533-538.	1.4	0
25995	Exfoliation of Boron Nitride Platelets by Enhanced Interfacial Interaction with Polyethylene. Macromolecular Materials and Engineering, 2016, 301, 315-327.	3.6	24
25996	Nanostructured Photodetectors: From Ultraviolet to Terahertz. Advanced Materials, 2016, 28, 403-433.	21.0	492
25997	NanodrÃhte in Chemo- und Biosensoren: aktueller Stand und Fahrplan fÃ¼r die Zukunft. Angewandte Chemie, 2016, 128, 1286-1302.	2.0	10
25998	Nanowire Chemical/Biological Sensors: Status and a Roadmap for the Future. Angewandte Chemie - International Edition, 2016, 55, 1266-1281.	13.8	237
25999	Thermodynamics for the Formation of Double-stranded DNA-Single-Walled Carbon Nanotube Hybrids. Chemistry - A European Journal, 2016, 22, 4774-4779.	3.3	14
26000	Dispergierung und Eigenschaften von Carbon Nanotubes. Chemie-Ingenieur-Technik, 2016, 88, 857-863.	0.8	1
26001	Hierarchical Microcellular Microporous Carbon from Polyamic Acid Cryogel and its Electrochemical Capacitance. Energy Technology, 2016, 4, 278-287.	3.8	4
26002	Superparamagnetic Fe ₃ O ₄ Nanoparticles Decorated Multiwalled Carbon Nanotubes: Preparation via Cyclic Microwave Approach and Their Drug Release Behavior. Journal of Cluster Science, 2016, 27, 1017-1030.	3.3	3
26003	ELP-OPH/BSA/TiO ₂ nanofibers/c-MWCNTs based biosensor for sensitive and selective determination of p-nitrophenyl substituted organophosphate pesticides in aqueous system. Biosensors and Bioelectronics, 2016, 85, 935-942.	10.1	66
26004	Viscoelastic wave propagation in the viscoelastic single walled carbon nanotubes based on nonlocal strain gradient theory. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 84, 202-208.	2.7	62
26005	Thermal analysis of polyethylene-X% carbon nanotubes. Nanoscale Research Letters, 2016, 11, 97.	5.7	12
26006	Gaseous detonation fabrication of CNTs and CNTs doping with Fe based composites. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 494-499.	2.1	5
26007	Significant Enhancement in the Conductivity of Al-Doped Zinc Oxide thin Films for TCO Application. International Journal of Nanoscience, 2016, 15, 1650011.	0.7	4
26008	Preparation and properties of an antistatic UV-curable coating modified by multi-walled carbon nanotubes. Polymer Bulletin, 2016, 73, 2815-2830.	3.3	13
26009	Energy dissipation in intercalated carbon nanotube forests with metal layers. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	3
26010	Distributive lattice structure on the set of perfect matchings of carbon nanotubes. Journal of Mathematical Chemistry, 2016, 54, 1296-1305.	1.5	1

#	ARTICLE	IF	CITATIONS
26011	Processing and characterization of extruded PET and its r-PET and MWCNT nanocomposite thin films by spin coating. Bulletin of Materials Science, 2016, 39, 167-175.	1.7	4
26012	Improved field emission from indium decorated multi-walled carbon nanotubes. Applied Surface Science, 2016, 383, 84-89.	6.1	44
26013	Exploring the potential energy surface for reaction of SWCNT with NO ₂ ⁺ : A model reaction for oxidation of carbon nanotube in acid solution. Computational and Theoretical Chemistry, 2016, 1088, 1-8.	2.5	10
26014	The morphology and temperature dependent tensile properties of diamond nanothreads. Carbon, 2016, 107, 304-309.	10.3	46
26015	Are we ready for spray-on carbon nanotubes?. Nature Nanotechnology, 2016, 11, 490-491.	31.5	10
26016	Fully integrated patterned carbon nanotube strain sensors on flexible sensing skin substrates for structural health monitoring. , 2016, , .		3
26017	Artificial neural network approach for atomic coordinate prediction of carbon nanotubes. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	20
26018	Photoexpansion in amorphous As ₂ S ₃ : A new explanation. Journal of Non-Crystalline Solids, 2016, 447, 123-125.	3.1	9
26019	Potential of Polyvinylidene Fluoride/Carbon Nanotube Composite in Energy, Electronics, and Membrane Technology: An Overview. Polymer-Plastics Technology and Engineering, 2016, 55, 1949-1970.	1.9	28
26020	Electric Field-Controlled Crystallizing CaCO ₃ Nanostructures from Solution. Nanoscale Research Letters, 2016, 11, 120.	5.7	10
26021	Nanoscale Materials in Targeted Drug Delivery. , 2016, , 1-19.		2
26022	Theoretical study of graphite intercalated with water cyclic hexamers. Carbon, 2016, 107, 332-337.	10.3	3
26023	Ice-dependent liquid-phase convective cells during the melting of frozen sessile droplets containing water and multiwall carbon nanotubes. International Journal of Heat and Mass Transfer, 2016, 101, 27-37.	4.8	10
26024	Designing rGO/MoS ₂ hybrid nanostructures for photocatalytic applications. RSC Advances, 2016, 6, 59001-59008.	3.6	40
26025	Ensuring near-optimum homogeneity and densification levels in nano-reinforced ceramics. Proceedings of SPIE, 2016, , .	0.8	0
26026	Preparation, characterization of a ceria loaded carbon nanotubes nanocomposites photocatalyst and degradation of azo dye Acid Orange 7. Archives of Environmental Protection, 2016, 42, 12-19.	1.1	4
26027	Carbon Nanoparticles and Nanostructures. Carbon Nanostructures, 2016, , .	0.1	18
26028	Carbon Nanohorns and Their High Potential in Biological Applications. Carbon Nanostructures, 2016, , 77-107.	0.1	4

#	ARTICLE	IF	CITATIONS
26029	A molecular dynamics investigation into the size-dependent buckling behavior of a novel three-dimensional metallic carbon nanostructure (T6). Superlattices and Microstructures, 2016, 97, 125-131.	3.1	5
26030	Advances in Nanocomposites. , 2016, , .		4
26031	Stretchable carbon nanotube conductors and their applications. Korean Journal of Chemical Engineering, 2016, 33, 2771-2787.	2.7	23
26032	Raman based stress analysis of the active areas of a piezoresistive MEMS force sensor “ Experimental setup, data processing, and comparison to numerically obtained results. , 2016, , .		1
26033	One-Dimensional Carbon Nanostructures: Low-Temperature Chemical Vapor Synthesis and Applications. Carbon Nanostructures, 2016, , 47-76.	0.1	3
26034	A hyperboloid structure as a mechanical model of the carbon bond. International Journal of Solids and Structures, 2016, 96, 145-152.	2.7	10
26035	Highly transparent silver nanowire“polyimide electrode as a snow-cleaning device. RSC Advances, 2016, 6, 61386-61392.	3.6	17
26036	A reusable heterogeneous catalyst without leaking palladium for highly-efficient Suzuki“Miyaura reaction in pure water under air. RSC Advances, 2016, 6, 60996-61000.	3.6	14
26037	Smart Fuzzy Fiber-Reinforced Piezoelectric Composites. , 2016, , 127-150.		1
26038	Mussel-inspired PEGylated carbon nanotubes: biocompatibility evaluation and drug delivery applications. Toxicology Research, 2016, 5, 1371-1379.	2.1	25
26039	Electrochemical nucleic acid biosensors: from fabrication to application. Analytical Methods, 2016, 8, 5169-5189.	2.7	16
26040	Enhancing thermal transport efficiency in carbon composites using nanospacers. RSC Advances, 2016, 6, 61351-61356.	3.6	2
26041	Effects of process parameters and surface treatments of graphene nanoplatelets on the crystallinity and thermomechanical properties of polyamide 6 composite fibers. Composites Part B: Engineering, 2016, 100, 220-227.	12.0	40
26042	The effect of Co content on the structure and the magnetic properties of Co Ni1“ nanotubes. Journal of Magnetism and Magnetic Materials, 2016, 419, 166-170.	2.3	9
26043	Selective synthesis of carbon-nanotubes/graphite or carbon-nanotubes/multi-graphene composites on 3-D nickel foam prepared with different nickel catalyst and pre-treatment. Synthetic Metals, 2016, 219, 124-134.	3.9	9
26044	The Role of Carbon Nanotubes in Improving Thermal Stability of Polymeric Fluids: Experimental and Modeling. Industrial & Engineering Chemistry Research, 2016, 55, 7514-7534.	3.7	43
26045	Mechanical Response of Aluminosilicate Nanotubes under Compression. Journal of Physical Chemistry C, 2016, 120, 14428-14434.	3.1	11
26046	Piezoelectric Response at Nanoscale. , 2016, , 41-76.		1

#	ARTICLE	IF	CITATIONS
26047	Measurement of magnetic anisotropy of multiwalled carbon nanotubes in nematic host. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 84, 244-248.	2.7	18
26048	Multiscale Modeling of Nanoreinforced Composites. , 2016, , 1-39.		1
26049	Optical microspectroscopy study on enriched (11,10) SWCNTs encapsulating C60 fullerene molecules. <i>Carbon</i> , 2016, 107, 593-599.	10.3	5
26050	Effect of waviness and orientation of carbon nanotubes on random apparent material properties and RVE size of CNT reinforced composites. <i>Composite Structures</i> , 2016, 152, 870-882.	5.8	44
26051	Anisotropic Thermal Transport in Thermoelectric Composites of Conjugated Polyelectrolytes/Single-Walled Carbon Nanotubes. <i>Macromolecules</i> , 2016, 49, 4957-4963.	4.8	31
26052	Advantages and limitations of nanoparticle labeling for early diagnosis of infection. <i>Expert Review of Molecular Diagnostics</i> , 2016, 16, 883-895.	3.1	16
26053	Evaluation of the pH influence on protein exclusion by restricted access carbon nanotubes coated with bovine serum albumin. <i>Journal of Materials Science</i> , 2016, 51, 7407-7414.	3.7	18
26054	Effect of Stone-wales and Vacancy Defect in Double Walled Carbon Nanotube for Mass Sensing. <i>Procedia Technology</i> , 2016, 23, 122-129.	1.1	8
26055	Surface Oxidized Carbon Nanotubes Uniformly Coated with Nickel Ferrite Nanoparticles. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 1301-1308.	3.7	17
26056	Local heating of molecular motors using single carbon nanotubes. <i>Biophysical Reviews</i> , 2016, 8, 25-32.	3.2	2
26057	Survey of quantum mechanic calculations on combination of carbon nanotube and Methotrexate drug. <i>Journal of Nanostructure in Chemistry</i> , 2016, 6, 57-63.	9.1	4
26058	The adsorption of CO molecule on pristine, As, B, BAs doped (4, 4) armchair AlNNTs: a computational study. <i>Journal of Nanostructure in Chemistry</i> , 2016, 6, 197-205.	9.1	34
26059	Thermo-Electrochemical Cells Based on Carbon Nanotube Electrodes by Electrophoretic Deposition. <i>Nano-Micro Letters</i> , 2016, 8, 240-246.	27.0	33
26060	Toward carbon nanotube-based imaging agents for the clinic. <i>Biomaterials</i> , 2016, 101, 229-240.	11.4	47
26061	Enhanced strength and excellent transport properties of a superaligned carbon nanotubes reinforced copper matrix laminar composite. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 88, 148-155.	7.6	93
26062	Collision-induced fusion of two single-walled carbon nanotubes: A quantitative study. <i>Chemical Physics Letters</i> , 2016, 657, 184-189.	2.6	2
26063	CNT-grafted glass fibers as a smart tool for epoxy cure monitoring, UV-sensing and thermal energy harvesting in model composites. <i>RSC Advances</i> , 2016, 6, 55514-55525.	3.6	47
26064	Perspectives of Polystyrene Composite with Fullerene, Carbon Black, Graphene, and Carbon Nanotube: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1988-2011.	1.9	33

#	ARTICLE	IF	CITATIONS
26065	Vibrational spectroscopic analysis of a metal/carbon nanotube coating interface and the effect of its interaction with albumin. <i>Vibrational Spectroscopy</i> , 2016, 85, 185-195.	2.2	12
26066	Graphene Field-Effect Transistor Chemical/Biological Sensors. , 2016, , 137-148.		0
26067	Properties of Two-Dimensional Silicon versus Carbon Systems. , 2016, , 239-252.		1
26068	Investigation on Mechanical Behavior of Single-Layer Graphene with Grain Boundary Loops. , 2016, , 273-286.		0
26069	Thermophysical and Electrophysical Properties of Composite Films Based on Modied Multi-Walled Carbon Nanotubes and Multilayered Graphene. , 2016, , 321-326.		2
26070	Antimicrobial Perspectives for Graphene-Based Nanomaterials. , 2016, , 45-58.		1
26071	Graphene: Electrochemical Exfoliation and Applications. , 2016, , 285-310.		0
26072	Low-Cost and Simple Method for Graphene Synthesis. , 2016, , 359-376.		0
26073	Some Mechanical Properties of Graphene and Their Role in Forming Polymer Nanocomposites. , 2016, , 93-104.		0
26074	Theoretical analysis on nonlinear vibration of fluid flow in single-walled carbon nanotube. <i>Iranian Physical Journal</i> , 2016, 10, 211-218.	1.2	35
26075	Mechanical properties and fracture analysis of functionalized carbon nanotube embedded by polymer matrix. <i>Aerospace Science and Technology</i> , 2016, 55, 120-130.	4.8	22
26076	Spherical and rodlike inorganic nanoparticle regulated the orientation of carbon nanotubes in polymer nanofibers. <i>Chemical Physics Letters</i> , 2016, 650, 82-87.	2.6	19
26077	Yttrium dispersion on capped carbon nanotube: Promising materials for hydrogen storage applications. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1053-1059.	7.1	16
26078	Copper boosts the electronic sensitivity of a C3N nanotube toward H2S gas: Quantum chemical analysis. <i>Journal of Molecular Liquids</i> , 2016, 220, 687-692.	4.9	12
26079	MWCNTs-PEI composites-based electrochemical sensor for sensitive detection of bisphenol A. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 408-413.	7.8	53
26080	Adsorption properties of boroxol ring doped zigzag boron nitride nanotube toward NO molecule using DFT. <i>International Journal of Modern Physics B</i> , 2016, 30, 1650101.	2.0	1
26081	Thermal radiation energy on squeezed MHD flow of Cu, Al2O3 and CNTs-nanofluid over a sensor surface. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 2405-2421.	6.4	26
26082	A theoretical study of nanostructure membranes for separating Li+ and Mg2+ from Clâ ⁻ . <i>Computational Materials Science</i> , 2016, 113, 66-74.	3.0	10

#	ARTICLE	IF	CITATIONS
26083	The effects of connecting region length on the natural frequencies of straight and non-straight hetero-junction carbon nanotubes. Computational Materials Science, 2016, 122, 11-21.	3.0	8
26084	A density functional theory study on adsorption and decomposition of acetic acid over silicon carbide nanotubes. Synthetic Metals, 2016, 215, 164-169.	3.9	8
26085	Electrically conductive adhesives based on thermoplastic polyurethane filled with carbon nanotubes. , 2016, , .		0
26086	High frequency conductivity of hot electrons in carbon nanotubes. Physica B: Condensed Matter, 2016, 488, 83-87.	2.7	5
26087	Effect of Carbon Nanotubes on CNT Reinforced FGM Nano Plate under Thermo Mechanical Loading. Procedia Technology, 2016, 23, 130-137.	1.1	15
26088	A facile fabrication of polydiacetylene nanowires and their response to aqueous solutions with basicity. Synthetic Metals, 2016, 213, 42-46.	3.9	4
26089	Detailed surface study of adsorbed nickel on Al12N12 nano-cage. Thin Solid Films, 2016, 612, 179-185.	1.8	55
26090	Origins of sp^3 peaks in C_{1s} X-ray Photoelectron Spectra of Carbon Materials. Analytical Chemistry, 2016, 88, 6110-6114.	6.5	229
26091	High Conformity and Large Domain Monocrystalline Anatase on Multiwall Carbon Nanotube Core-Shell Nanostructure: Synthesis, Structure, and Interface. Chemistry of Materials, 2016, 28, 3488-3496.	6.7	23
26092	Dynamics of effusive and diffusive gas separation on pillared graphene. Physical Chemistry Chemical Physics, 2016, 18, 17018-17023.	2.8	14
26093	Unconventional supercapacitors from nanocarbon-based electrode materials to device configurations. Chemical Society Reviews, 2016, 45, 4340-4363.	38.1	480
26094	Assembling tin dioxide nanorods on carbon nanotubes by a chemical solution method. Integrated Ferroelectrics, 2016, 168, 151-156.	0.7	0
26095	A Comparative Study on Graphene Oxide and Carbon Nanotube Reinforcement of PMMA-Siloxane-Silica Anticorrosive Coatings. ACS Applied Materials & Interfaces, 2016, 8, 16339-16350.	8.0	64
26096	Controlled synthesis and magnetic properties of thin CeO ₂ nanotubes by a facile template-free hydrothermal method. Journal of Materials Science: Materials in Electronics, 2016, 27, 10198-10206.	2.2	7
26097	3-D printing of multifunctional carbon nanotube yarn reinforced components. Additive Manufacturing, 2016, 12, 38-44.	3.0	80
26098	Engineering the physical parameters for continuous synthesis of fullerene peapods. Nanotechnology, 2016, 27, 205604.	2.6	5
26099	Separation and stacking of iodine species from seafood using surfactant-coated multiwalled carbon nanotubes as a pseudo-stationary phase in capillary electrophoresis. Mikrochimica Acta, 2016, 183, 2441-2447.	5.0	14
26100	Towards nanoreliability of sensors incorporating interfaces between single-walled carbon nanotubes and metals: molecular dynamics simulations and in situ experiments using electron microscopy. Mechatronics, 2016, 40, 270-280.	3.3	3

#	ARTICLE	IF	CITATIONS
26101	Processing and characterization of polyethersulfone wet-spun nanocomposite fibres containing multiwalled carbon nanotubes. <i>Synthetic Metals</i> , 2016, 217, 304-313.	3.9	13
26102	Optimizing the Interactions of Surfactants with Graphitic Surfaces and Clathrate Hydrates. <i>Langmuir</i> , 2016, 32, 6559-6570.	3.5	26
26103	Effective Elastic Properties of a Novel Continuous Fuzzy Fiber-Reinforced Composite with Wavy Carbon Nanotubes. , 2016, , 17-40.		1
26104	Increase of the Surface Mobility of Carbon Molecular Crystals (CMCs) Using the PECVD Technique. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 773-779.	3.7	6
26105	Highly active platinum electrocatalyst towards oxygen reduction reaction in renewable energy generations of proton exchange membrane fuel cells. <i>Applied Energy</i> , 2016, 173, 59-66.	10.1	32
26106	Photocatalytic activity of porous multiwalled carbon nanotube-TiO ₂ composite layers for pollutant degradation. <i>Journal of Hazardous Materials</i> , 2016, 317, 52-59.	12.4	88
26107	The influence of CNTs on the microstructure and ductility of CNT/Mg composites. <i>Materials Letters</i> , 2016, 181, 300-304.	2.6	59
26108	Electron and phonon properties and gas storage in carbon honeycombs. <i>Nanoscale</i> , 2016, 8, 12863-12868.	5.6	50
26109	Simultaneous co-deposition of SiC and CNT into the Ni coating. <i>Canadian Metallurgical Quarterly</i> , 2016, 55, 147-155.	1.2	13
26110	Surfactant-Triggered Nanoarchitectonics of Fullerene C ₆₀ Crystals at a Liquid-Liquid Interface. <i>Langmuir</i> , 2016, 32, 12511-12519.	3.5	46
26111	Recent Advances in TiO ₂ -Based Nanostructured Surfaces with Controllable Wettability and Adhesion. <i>Small</i> , 2016, 12, 2203-2224.	10.0	278
26112	Tribology Property of Benzoxazine-Bismaleimide Composites with Hyperbranched Polysilane-Grafted Multi-Walled Carbon Nanotubes. <i>Nano</i> , 2016, 11, 1650061.	1.0	3
26113	Methane decomposition for carbon nanotube production: Optimization of the reaction parameters using response surface methodology. <i>Chemical Engineering Research and Design</i> , 2016, 112, 163-174.	5.6	34
26114	Supramolecular interactions of fluorene-based copolymers containing 3,4-propylenedioxythiophene and phenazine units with SWNTs. <i>Polymer Chemistry</i> , 2016, 7, 5241-5248.	3.9	11
26115	Carbon nanotubes dispersed in aqueous solution by ruthenium(ii) polypyridyl complexes. <i>Nanoscale</i> , 2016, 8, 13488-13497.	5.6	8
26116	Anode sheath transition in an anodic arc for synthesis of nanomaterials. <i>Plasma Sources Science and Technology</i> , 2016, 25, 035003.	3.1	27
26117	Circuit Compatible Model for Electrostatic Doped Schottky Barrier CNTFET. <i>Journal of Electronic Materials</i> , 2016, 45, 5381-5390.	2.2	12
26118	Vibration analysis of orthotropic circular and elliptical nano-plates embedded in elastic medium based on nonlocal Mindlin plate theory and using Galerkin method. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 2463-2474.	1.5	18

#	ARTICLE	IF	CITATIONS
26119	Strong adsorption of Al-doped carbon nanotubes toward cisplatin. Chemical Physics Letters, 2016, 658, 162-167.	2.6	12
26120	An All-Solid-State Fiber-Shaped Aluminum-Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. Angewandte Chemie, 2016, 128, 8111-8114.	2.0	70
26121	Isorecticular Synthesis of Dissectible Molecular Bamboo Tubes of Hexarhenium(I) Benzene-1,2,3,4,5,6-hexaolate Complexes. Angewandte Chemie, 2016, 128, 8483-8487.	2.0	5
26122	Design and Synthesis of Carbon Nanotube Segments. Angewandte Chemie - International Edition, 2016, 55, 5136-5158.	13.8	300
26123	An All-Solid-State Fiber-Shaped Aluminum-Air Battery with Flexibility, Stretchability, and High Electrochemical Performance. Angewandte Chemie - International Edition, 2016, 55, 7979-7982.	13.8	211
26124	Fabrication of multiwalled carbon nanotube-polyaniline/platinum nanocomposite films toward improved performance for a cholesterol amperometric biosensor. Biotechnology and Applied Biochemistry, 2016, 63, 757-764.	3.1	16
26125	Single-Walled Carbon Nanotubes in Highly Viscous Media: A Comparison between the Dispersive Agents [BMIM][BF ₄], L121, and Triton X-100. Chemistry - A European Journal, 2016, 22, 546-549.	3.3	13
26126	Design of a Prussian Blue Analogue/Carbon Nanotube Thin-Film Nanocomposite: Tailored Precursor Preparation, Synthesis, Characterization, and Application. Chemistry - A European Journal, 2016, 22, 6643-6653.	3.3	27
26127	Injection-molded parts of polypropylene/multi-wall carbon nanotubes composites with an electrically conductive tridimensional network. Polymer Composites, 2016, 37, 488-496.	4.6	18
26128	Micro-extraction of Xenobiotics and Biomolecules from Different Matrices on Nanostructures. Separation and Purification Reviews, 2016, 45, 28-49.	5.5	7
26129	Pulsating fluid induced dynamic instability of visco-double-walled carbon nano-tubes based on sinusoidal strain gradient theory using DQM and Bolotin method. International Journal of Mechanics and Materials in Design, 2016, 12, 17-38.	3.0	12
26130	Analysis of multiaxial properties of carbon nanotubes/polypropylene and nanocrystalline cellulose/polypropylene composites. Polymer Composites, 2016, 37, 1180-1189.	4.6	5
26131	Formation of carbon nano-balls and carbon nano-tubes from northeast Indian Tertiary coal: Value added products from low grade coal. Gondwana Research, 2016, 31, 295-304.	6.0	42
26132	Effects of surface modification with 3-aminopropyltriethoxysilane on structure and mechanical property of multiwalled carbon nanotube/polycarbonate composites. Polymer Composites, 2016, 37, 1914-1923.	4.6	11
26133	Magnetic Field-Induced Splitting of Optical Spectra in Silicon Nanotubes: Tight Binding Calculations. Silicon, 2016, 8, 43-55.	3.3	2
26134	Mechanical property enhancement of aligned multi-walled carbon nanotube sheets and composites through press-drawing process. Advanced Composite Materials, 2016, 25, 73-86.	1.9	23
26135	Axisymmetric free vibration of closed thin spherical nanoshells with bending effects. JVC/Journal of Vibration and Control, 2016, 22, 3789-3806.	2.6	10
26136	Discrete and homogenized mechanical models for single walled carbon nanotubes. Mathematics and Mechanics of Solids, 2016, 21, 773-790.	2.4	1

#	ARTICLE	IF	CITATIONS
26137	Free vibration of in-plane-aligned membranes of single-walled carbon nanotubes in the presence of in-plane-unidirectional magnetic fields. JVC/Journal of Vibration and Control, 2016, 22, 3736-3766.	2.6	26
26138	Preparation and properties of high-performance poly(amide-imide) composite films based on glucose-functionalized multiwalled carbon nanotubes. High Performance Polymers, 2016, 28, 14-25.	1.8	7
26139	Optical Transition of Zigzag Silicon Nanotubes Under Intrinsic Curvature Effect. Silicon, 2016, 8, 217-224.	3.3	10
26140	Torsional vibration analysis of double walled carbon nanotubes using nonlocal elasticity. International Journal of Mechanics and Materials in Design, 2016, 12, 71-84.	3.0	42
26141	Properties enhancement in multiwalled carbon nanotube-magnetite hybrid-filled polypropylene natural rubber nanocomposites through functionalization and processing methods. Science and Engineering of Composite Materials, 2016, 23, 257-267.	1.4	3
26142	Vibration of double-walled carbon nanotubes coupled by temperature-dependent medium under a moving nanoparticle with multi physical fields. Mechanics of Advanced Materials and Structures, 2016, 23, 281-291.	2.6	22
26143	Effect of Nano-fillers on the Strength Reinforcement of Novel Hybrid Polymer Nanocomposites. Materials and Manufacturing Processes, 2016, 31, 1066-1072.	4.7	20
26144	Carbon nanotubes buckypaper radiation studies for medical physics applications. Applied Radiation and Isotopes, 2016, 117, 106-110.	1.5	13
26145	Improved densification and mechanical properties of spark plasma sintered carbon nanotube reinforced alumina ceramics. Materials Chemistry and Physics, 2016, 170, 99-107.	4.0	13
26146	Fibrous and Textile Materials for Composite Applications. Textile Science and Clothing Technology, 2016, , .	0.5	30
26147	Quantum analytical modeling and simulation of CNT on insulator (COI) and CNT on nothing (CON) FET: a comparative analysis. Iranian Physical Journal, 2016, 10, 91-97.	1.2	2
26148	Non-intrusive health monitoring of infused composites with embedded carbon quantum piezo-resistive sensors. Composites Science and Technology, 2016, 123, 286-294.	7.8	71
26149	Gas sensing properties of defect-induced single-walled carbon nanotubes. Sensors and Actuators B: Chemical, 2016, 228, 688-692.	7.8	48
26150	Determination of Eriodictyol by a Modified Multi-Walled Carbon Nanotube Glassy Carbon Electrode. Analytical Letters, 2016, 49, 1502-1512.	1.8	3
26151	Facile route to multi-walled carbon nanotubes under ambient conditions. Korean Journal of Chemical Engineering, 2016, 33, 401-404.	2.7	7
26152	Carbon nanotubes in drug delivery: just a carrier?. Therapeutic Delivery, 2016, 7, 55-57.	2.2	14
26153	Electronic structure and field emission properties of nitrogen doped graphene nano-flakes (GNFs:N) and carbon nanotubes (CNTs:N). Applied Surface Science, 2016, 380, 301-304.	6.1	12
26154	Systematic sorption studies of camptothecin on oxidized single-walled carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 490, 121-132.	4.7	11

#	ARTICLE	IF	CITATIONS
26155	Nano Electroless Plating. , 2016, , 141-289.		7
26156	Development and thermal properties of carbon nanotube-polymer composites. Composites Part B: Engineering, 2016, 89, 362-373.	12.0	56
26157	Z-scan measurements of single walled carbon nanotube doped acetylenedicarboxylic acid polymer under CW laser. Optics and Laser Technology, 2016, 80, 72-76.	4.6	20
26158	Positron annihilation spectroscopy in tomorrow's material defect studies. Applied Spectroscopy Reviews, 2016, 51, 359-378.	6.7	13
26159	Structural, anisotropic and electronic properties of C96 under pressure. European Physical Journal B, 2016, 89, 1.	1.5	6
26160	Progression of alignment in stretched CNT sheets determined by wide angle X-ray scattering. Carbon, 2016, 100, 309-317.	10.3	10
26161	Carbon nanotubes from synthesis to in vivo biomedical applications. International Journal of Pharmaceutics, 2016, 501, 278-299.	5.2	188
26162	Electronic structures and magnetic properties of rare-earth-atom-doped BNNTs. Frontiers of Physics, 2016, 11, 1.	5.0	1
26163	Synthesis, characterization and magnetic properties of MWCNTs decorated with Zn-substituted MnFe ₂ O ₄ nanoparticles using waste batteries extract. Journal of Magnetism and Magnetic Materials, 2016, 407, 175-181.	2.3	17
26164	Fabrication of stacked-cup carbon nanotube/polymer nanocomposite films with linear controlled percolation routes. Materials Chemistry and Physics, 2016, 171, 39-44.	4.0	3
26165	Determination of Hydroquinone with a Carbon Nanotube/Polyurethane Resin Composite Electrode. Analytical Letters, 2016, 49, 1513-1525.	1.8	6
26166	Activated carbons with high nitrogen content by a combination of hydrothermal carbonization with activation. Microporous and Mesoporous Materials, 2016, 226, 125-132.	4.4	64
26167	Effect of functionalization on drug delivery potential of carbon nanotubes. Artificial Cells, Nanomedicine and Biotechnology, 2016, 44, 1851-1860.	2.8	28
26168	Recent progress in application of carbon nanomaterials in laser desorption/ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 2861-2873.	3.7	57
26169	Automobile Application. , 2016, , 55-105.		0
26170	Nanostructured materials functionalized with metal complexes: In search of alternatives for administering anticancer metallodrugs. Coordination Chemistry Reviews, 2016, 312, 67-98.	18.8	183
26171	Graphene oxide films, fibers, and membranes. Nanotechnology Reviews, 2016, 5, .	5.8	41
26172	Nonlinear free vibration of non-prismatic single-walled carbon nanotubes by a non-local shear deformable beam p-element. Acta Mechanica, 2016, 227, 1051-1065.	2.1	5

#	ARTICLE	IF	CITATIONS
26173	Mechanical properties of single-walled carbon nanotube reinforced polymer composites with varied interphase's modulus and thickness: A finite element analysis study. Computational Materials Science, 2016, 114, 209-218.	3.0	46
26174	Natural and waste hydrocarbon precursors for the synthesis of carbon based nanomaterials: Graphene and CNTs. Renewable and Sustainable Energy Reviews, 2016, 58, 976-1006.	16.4	179
26175	Phase and composition selective superior cholesterol sensing performance of ZnO@ZnS nano-heterostructure and ZnS nanotubes. Sensors and Actuators B: Chemical, 2016, 229, 14-24.	7.8	21
26176	Effect of CVD Process Temperature on Activation Energy and Structural Growth of MWCNTs. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1413-1424.	2.2	5
26177	Biological interactions of carbon-based nanomaterials: From coronation to degradation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 333-351.	3.3	322
26178	High-Strength Carbon Nanotube Film from Improving Alignment and Densification. Nano Letters, 2016, 16, 946-952.	9.1	172
26179	Aromatic stabilization of functionalized corannulene cations. Physical Chemistry Chemical Physics, 2016, 18, 11781-11791.	2.8	19
26180	Nonlinear frequency shift behavior of graphene's "elastic" piezoelectric laminated films as a nano-mass detector. International Journal of Solids and Structures, 2016, 84, 17-26.	2.7	20
26181	Toxicity determinants of multi-walled carbon nanotubes: The relationship between functionalization and agglomeration. Toxicology Reports, 2016, 3, 230-243.	3.3	141
26182	Properties of carbon nanotube-dispersed Sr-hydroxyapatite injectable material for bone defects. International Journal of Energy Production and Management, 2016, 3, 13-23.	3.7	26
26183	Constitutive modeling of carbon nanotube rubber composites on the basis of chain length statistics. Composites Part B: Engineering, 2016, 90, 69-75.	12.0	11
26184	A comprehensive review on graphene nanofluids: Recent research, development and applications. Energy Conversion and Management, 2016, 111, 466-487.	9.2	253
26185	Ab initio study of chemical bond interactions between covalently functionalized carbon nanotubes via amide, ester and anhydride linkages. Solid State Sciences, 2016, 53, 56-62.	3.2	3
26186	Nickel-enhanced graphitic ordering of carbon ad-atoms during physical vapor deposition. Carbon, 2016, 100, 656-663.	10.3	19
26187	Low-frequency electric noise spectroscopy in different polymer/carbon nanotubes composites. Diamond and Related Materials, 2016, 65, 32-36.	3.9	6
26188	Ultrasonic treatment of polycarbonate/carbon nanotubes composites. Polymer, 2016, 84, 209-222.	3.8	27
26189	From Helixes to Mesostructures: Evolution of Mesoporous Silica Shells on Single-Walled Carbon Nanotubes. Chemistry of Materials, 2016, 28, 936-942.	6.7	17
26190	Longitudinal unzipped carbon nanotubes with high specific surface area and trimodal pore structure. RSC Advances, 2016, 6, 8661-8668.	3.6	16

#	ARTICLE	IF	CITATIONS
26191	Carbon nanotubes functionalized with sulfur, selenium, or phosphorus or substituents containing these elements. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 541-547.	1.6	3
26192	Luminescent colloidal carbon dots: optical properties and effects of doping [Invited]. Optics Express, 2016, 24, A312.	3.4	235
26193	Convective Heat Transfer Enhancement for Electronic Device Applications Using Patterned MWCNTs Structures. Heat Transfer Engineering, 2016, 37, 783-790.	1.9	5
26195	Low-temperature hydrothermal synthesis and functionalization of multiwalled carbon nanotubes. Indian Journal of Physics, 2016, 90, 139-148.	1.8	6
26196	Understanding the mechanism of surface modification through enhanced thermal and electrochemical stabilities of N-doped graphene oxide. Applied Surface Science, 2016, 366, 514-522.	6.1	27
26197	Modified glassy carbon electrodes based on carbon nanostructures for ultrasensitive electrochemical determination of furazolidone. Materials Science and Engineering C, 2016, 61, 842-850.	7.3	72
26198	Towards a fine-tuning of surface chemistry in aligned carbon nanotubes induced by nitrogen plasma discharge post-treatment: a combined microscopic and spectroscopic study. RSC Advances, 2016, 6, 13088-13100.	3.6	13
26199	The Specific Heat Capacity, Effective Thermal Conductivity, Density, and Viscosity of Coolants Containing Carboxylic Acid Functionalized Multi-Walled Carbon Nanotubes. Journal of Dispersion Science and Technology, 2016, 37, 949-955.	2.4	14
26200	Carbon nanotubes@silicon dioxide nanohybrids coating for solid-phase microextraction of organophosphorus pesticides followed by gas chromatography–corona discharge ion mobility spectrometric detection. Journal of Chromatography A, 2016, 1429, 30-39.	3.7	86
26201	Pd deposited on functionalized carbon nanotubes for the electrooxidation of ethanol in alkaline media. Electrochemistry Communications, 2016, 63, 30-33.	4.7	23
26202	Electrophoretically deposited carbon nanotube spectrally selective solar absorbers. Solar Energy Materials and Solar Cells, 2016, 144, 678-683.	6.2	34
26203	Ternary polybenzoxazine/POSS/SWCNT hybrid nanocomposites stabilized through supramolecular interactions. Soft Matter, 2016, 12, 1847-1858.	2.7	31
26204	Evaluation of carbon nanotubes functionalized with sodium hyaluronate in the inflammatory processes for oral regenerative medicine applications. Clinical Oral Investigations, 2016, 20, 1607-1616.	3.0	12
26205	CD/AuNPs/MWCNTs based electrochemical sensor for quercetin dual-signal detection. Biosensors and Bioelectronics, 2016, 77, 638-643.	10.1	50
26206	Engineered nanomaterials for water treatment and remediation: Costs, benefits, and applicability. Chemical Engineering Journal, 2016, 286, 640-662.	12.7	612
26207	Fe_3O_4 magnetic nanoparticle functionalized with carboxylated multi walled carbon nanotube: Synthesis, characterization, analytical and biomedical application. Journal of Magnetism and Magnetic Materials, 2016, 401, 949-955.	2.3	36
26208	On the characterization of the elastic properties of asymmetric single-walled carbon nanotubes. Journal of Physics and Chemistry of Solids, 2016, 89, 62-68.	4.0	8
26209	Chirality transfer from graphene quantum dots. Chemical Communications, 2016, 52, 665-668.	4.1	122

#	ARTICLE	IF	CITATIONS
26210	Atomistic modeling of BN nanofillers for mechanical and thermal properties: a review. <i>Nanoscale</i> , 2016, 8, 22-49.	5.6	82
26211	Investigation on the Use of Graphene Oxide as Novel Surfactant for Stabilizing Carbon Based Materials. <i>Journal of Dispersion Science and Technology</i> , 2016, 37, 1395-1407.	2.4	17
26212	Bioengineering Applications of Carbon Nanostructures. <i>Nanomedicine and Nanotoxicology</i> , 2016, , .	0.2	5
26213	Carbon science in 2016: Status, challenges and perspectives. <i>Carbon</i> , 2016, 98, 708-732.	10.3	261
26214	Nickel catalyst stabilization via graphene encapsulation for enhanced methanation reaction. <i>Journal of Catalysis</i> , 2016, 334, 42-51.	6.2	81
26215	Construction of advanced poly(arylene ether nitrile)/multi-walled carbon nanotubes nanocomposites by controlling the precise interface. <i>Journal of Materials Science</i> , 2016, 51, 2090-2100.	3.7	9
26216	Residue determination of glufosinate in plant origin foods using modified Quick Polar Pesticides (QuPPE) method and liquid chromatography coupled with tandem mass spectrometry. <i>Food Chemistry</i> , 2016, 197, 730-736.	8.2	47
26217	The most densified vertically-aligned carbon nanotube membranes and their normalized water permeability and high pressure durability. <i>Journal of Membrane Science</i> , 2016, 501, 144-151.	8.2	41
26218	Progress towards self-healing polymers for composite structural applications. <i>Polymer</i> , 2016, 83, 260-282.	3.8	122
26219	Recent development of carbon electrode materials and their bioanalytical and environmental applications. <i>Chemical Society Reviews</i> , 2016, 45, 715-752.	38.1	249
26220	Review on carbon nanotubes and carbon nanotube bundles for gas/ion separation and water purification studied by molecular dynamics simulation. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 457-470.	3.5	31
26221	Adsorption of hydrogen on carbon nanostructure. , 2016, , 147-162.		0
26222	A facile electrospinning method to fabricate polylactide/graphene/MWCNTs nanofiber membrane for tissues scaffold. <i>Applied Surface Science</i> , 2016, 362, 163-168.	6.1	20
26223	Effect of agglomeration on the natural frequencies of functionally graded carbon nanotube-reinforced laminated composite doubly-curved shells. <i>Composites Part B: Engineering</i> , 2016, 89, 187-218.	12.0	306
26224	Towards high-efficiency nanoelectrocatalysts for oxygen reduction through engineering advanced carbon nanomaterials. <i>Chemical Society Reviews</i> , 2016, 45, 1273-1307.	38.1	589
26225	Comprehensive theoretical study of the phenyl azide addition onto armchair (5, 5) single wall carbon nanotube. <i>Computational and Theoretical Chemistry</i> , 2016, 1075, 38-46.	2.5	2
26226	Preparation and luminescent properties of one-dimensional YVO ₄ :Eu nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 2608-2613.	2.2	9
26227	Multiresidue Method for Determination of 183 Pesticide Residues in Leeks by Rapid Multipug Filtration Cleanup and Gas Chromatography-Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 6061-6070.	5.2	35

#	ARTICLE	IF	CITATIONS
26228	Development of Voltammetric Method for the Determination of an Anticancer Drug, 5-Fluorouracil, at a Multiwalled Carbon Nanotubes Paste Electrode. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 814-820.	0.6	6
26229	Investigating the effects of reduced graphene oxide additive on the tensile strength of adhesively bonded joints at different extension rates. Materials and Design, 2016, 92, 36-43.	7.0	39
26230	Impact of vacancy defects in single-walled carbon nanotube on the structural properties of covalently attached aromatic diisocyanates. Applied Surface Science, 2016, 362, 1-10.	6.1	4
26231	A nanofilter composed of carbon nanotube-silver composites for virus removal and antibacterial activity improvement. Journal of Environmental Sciences, 2016, 42, 275-283.	6.1	29
26232	Continuum study on the oscillatory characteristics of carbon nanocones inside single-walled carbon nanotubes. Physica B: Condensed Matter, 2016, 482, 28-37.	2.7	13
26233	Sensing of ozone (O ₃) molecule via pristine single-walled aluminum nitride nanotube: A DFT study. Superlattices and Microstructures, 2016, 89, 390-397.	3.1	8
26234	Materials and Deposition Processes for Multifunctionality. , 2016, , 19-51.		15
26235	UHMWPE Matrix Composites. , 2016, , 369-397.		4
26236	Fabrication study of a new anticorrosion coating based on supramolecular nanocontainer. Synthetic Metals, 2016, 212, 186-194.	3.9	31
26237	Large-scale synthesis of soluble graphitic hollow carbon nanorods with tunable photoluminescence for the selective fluorescent detection of DNA. New Journal of Chemistry, 2016, 40, 1571-1579.	2.8	49
26238	Energy dissipation and high-strain rate dynamic response of E-glass fiber composites with anchored carbon nanotubes. Composites Part B: Engineering, 2016, 88, 44-54.	12.0	29
26239	Interactions Between Electrolytes and Carbon-Based Materials—NMR Studies on Electrical Double-Layer Capacitors, Lithium-Ion Batteries, and Fuel Cells. Annual Reports on NMR Spectroscopy, 2016, , 237-318.	1.5	17
26240	Effect of oxide nanoparticles on structural properties of multiwalled carbon nanotubes. Journal of Molecular Structure, 2016, 1107, 300-304.	3.6	9
26241	Biofunctionalization of scaffold material with nano-scaled diamond particles physisorbed with angiogenic factors enhances vessel growth after implantation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 823-833.	3.3	19
26242	Analytical applications of chemiluminescence systems assisted by carbon nanostructures. TrAC - Trends in Analytical Chemistry, 2016, 80, 387-415.	11.4	49
26243	Structure of ordered coaxial and scroll nanotubes: general approach. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, 36-49.	0.1	5
26244	Morphology, chemical composition and nanostructure of single carbon-rich particles studied by transmission electron microscopy: source apportionment in workroom air of aluminium smelters. Analytical and Bioanalytical Chemistry, 2016, 408, 1151-1158.	3.7	10
26245	Multiwalled carbon nanotubes and fluoroelastomer antistatic nanocomposite for automotive fuel system components. Korean Journal of Chemical Engineering, 2016, 33, 1095-1103.	2.7	12

#	ARTICLE	IF	CITATIONS
26246	Lithium absorption on single-walled boron nitride, aluminum nitride, silicon carbide and carbon nanotubes: A first-principles study. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 90, 27-34.	4.0	16
26247	Synthesis and characterization of stable aqueous dispersions of graphene. <i>Bulletin of Materials Science</i> , 2016, 39, 159-165.	1.7	43
26248	Mapping the transition from free-standing vertically-aligned Fe ₃ C-filled carbon nanotube films to entangled randomly-oriented carbon nanotube buckypapers in presence of a great excess of ferrocene. <i>Carbon</i> , 2016, 102, 372-382.	10.3	19
26249	Effect of carbon nanofiber surface morphology on convective heat transfer from cylindrical surface: Synthesis, characterization and heat transfer measurement. <i>International Journal of Thermal Sciences</i> , 2016, 105, 13-21.	4.9	15
26250	Application of Fe ₃ O ₄ nanoparticles functionalized carbon nanotubes for electrochemical sensing of DNA hybridization. <i>Journal of Applied Electrochemistry</i> , 2016, 46, 559-566.	2.9	16
26251	Spindle-like hierarchical carbon structure grown from polyhydroxyalkanoate/ferrocene/chloroform precursor. <i>Carbon</i> , 2016, 103, 346-351.	10.3	5
26252	The effect of time-dependent slightly weakened interface on the viscoelastic properties of CNT/polymer nanocomposites. <i>Composite Structures</i> , 2016, 146, 122-131.	5.8	23
26253	Liquid-phase synthesis of highly aligned carbon nanotubes on preheated stainless steel substrates. <i>Carbon</i> , 2016, 98, 225-231.	10.3	15
26254	Graphene and its analogues. <i>Nanotechnology Reviews</i> , 2016, 5, .	5.8	5
26255	Carbon Nanomaterials Based on Carbon Nanotubes (CNTs). <i>Advanced Structured Materials</i> , 2016, , 25-101.	0.5	1
26256	Compressive mechanical property of porous magnesium composites reinforced by carbon nanotubes. <i>Journal of Materials Science</i> , 2016, 51, 5232-5239.	3.7	23
26257	Silver nanoparticles embedded titania nanotube with tunable blue light band gap. <i>Materials Chemistry and Physics</i> , 2016, 175, 146-150.	4.0	8
26258	Enhancing the hydrogen transfer catalytic activity of hybrid carbon nanotube-based NHC-iridium catalysts by increasing the oxidation degree of the nanosupport. <i>Catalysis Science and Technology</i> , 2016, 6, 5504-5514.	4.1	20
26259	Molecular-Scale Electronics: From Concept to Function. <i>Chemical Reviews</i> , 2016, 116, 4318-4440.	47.7	1,014
26260	Transport of sodium dodecylbenzene sulfonate (SDBS)-dispersed carbon nanotubes and enhanced mobility of tetrabromobisphenol A (TBBPA) in saturated porous media. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 497, 205-213.	4.7	12
26261	Quantum primary rainbows in transmission of positrons through very short carbon nanotubes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 373, 52-62.	1.4	12
26262	Monoclinic C ₂ /m-20 carbon: a novel superhard sp ³ carbon allotrope. <i>RSC Advances</i> , 2016, 6, 32740-32745.	3.6	29
26263	Multifunctional biosensor based on self-assembled multi-walled carbon nanotubes sponge. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6911-6917.	2.2	11

#	ARTICLE	IF	CITATIONS
26264	Effect of loading method on selective hydrogenation of chloronitrobenzenes over amorphous Ni ²⁺ /B/CNTs catalysts. <i>Catalysis Communications</i> , 2016, 80, 1-4.	3.3	17
26265	Optical effect on the growth of Ni-filled carbon nanotubes using gas/solid interfacial discharge pyrolysis. <i>Journal of International Council on Electrical Engineering</i> , 2016, 6, 8-12.	0.4	0
26266	Recent advances of adsorbents in solid phase extraction for environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 407-435.	3.3	27
26267	Dissociation dynamics of ethylene molecules on a Ni cluster using <i>ab initio</i> molecular dynamics simulations. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 145001.	1.8	7
26268	X-ray diffraction spectroscopy of polymer nanocomposites. , 2016, , 410-451.		27
26269	Ni-Mg Bimetallic Catalysts for Preparation of Multi-Walled Carbon Nanotubes from Polypropylene: Influence of the Ratio of Ni/Mg. <i>Nano</i> , 2016, 11, 1650044.	1.0	4
26270	T-CNTFET with Gate-Drain Overlap and Two Different Gate Metals: A Novel Structure with Increased Saturation Current. <i>ECS Journal of Solid State Science and Technology</i> , 2016, 5, M3032-M3036.	1.8	16
26271	Adsorption of sodium dodecylsulfate on single-walled carbon nanotubes characterised using small-angle neutron scattering. <i>Journal of Colloid and Interface Science</i> , 2016, 472, 1-7.	9.4	17
26272	A biomimetic approach to improving tribological properties of hybrid PTFE/Nomex fabric/phenolic composites. <i>European Polymer Journal</i> , 2016, 78, 163-172.	5.4	30
26273	CoS/CNTs hybrid structure for improved performance lithium ion battery. <i>Journal of Alloys and Compounds</i> , 2016, 676, 551-556.	5.5	70
26274	An improved pull-out model for the carbon nanotube/nanofiber reinforced polymer composites with interfacial defects. <i>Polymer Composites</i> , 2016, 37, 229-240.	4.6	6
26275	A novel way for detection of antiparkinsonism drug entacapone via electrodeposition of silver nanoparticles/functionalized multi-walled carbon nanotubes as an amperometric sensor. <i>Materials Science and Engineering C</i> , 2016, 66, 77-83.	7.3	20
26276	Computational comparative study of substitutional, endo and exo BN Co-Doped single walled carbon nanotube system. <i>Superlattices and Microstructures</i> , 2016, 93, 234-241.	3.1	12
26277	Electrodeposited Conducting Polyaniline Nanowire Arrays Aligned on Carbon Nanotubes Network for High Performance Supercapacitors and Sensors. <i>Electrochimica Acta</i> , 2016, 199, 234-241.	5.2	98
26278	Adsorption and Condensation of SO ₂ in Double-Walled Carbon Nanotube Arrays Studied by Monte Carlo Simulations and Simple Analytical Models. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7510-7521.	3.1	12
26279	Fabrication and Properties of Insensitive CNT/HMX Energetic Nanocomposites as Ignition Ingredients. <i>Propellants, Explosives, Pyrotechnics</i> , 2016, 41, 126-135.	1.6	18
26280	Linear augmented cylindrical wave method for nanotubes electronic structure. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 174-188.	2.0	15
26281	Damage in laminates from low-velocity impacts. , 2016, , 35-69.		3

#	ARTICLE	IF	CITATIONS
26282	Charge-tunable insertion process of carbon nanotubes into DNA nanotubes. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 66, 20-25.	2.4	12
26283	Effect of mono vacancy defect on the charge carrier mobility of carbon nanotubes: A case study on (10, 0) tube from first-principles. <i>Superlattices and Microstructures</i> , 2016, 99, 140-144.	3.1	16
26284	Electro-optical properties of carbon nanotube-doped polymer-stabilised blue phase liquid crystal IPS cell. <i>Liquid Crystals</i> , 2016, 43, 1067-1074.	2.2	16
26285	The Influence of Calcination Temperature on the Structural and Biological Characteristics of Hydrothermally Synthesized TiO ₂ Nanotube: <i>In Vitro</i> Study. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 1189-1194.	0.6	10
26286	Reaction of folic acid with single-walled carbon nanotubes. <i>Surface Science</i> , 2016, 652, 300-303.	1.9	9
26287	Materiomics for Oral Disease Diagnostics and Personal Health Monitoring: Designer Biomaterials for the Next Generation Biomarkers. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 12-29.	2.0	4
26288	Association of DNA-Stabilized Carbon Nanotubes and Cationic Surfactants: Ionic Strength and Chain Length Effects. <i>Journal of Physical Chemistry C</i> , 2016, 120, 2941-2949.	3.1	6
26289	Electronic Structures and Carrier Mobilities of Blue Phosphorus Nanoribbons and Nanotubes: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4638-4646.	3.1	91
26290	Sugar-functionalized triptycenes used for dispersion of single-walled carbon nanotubes in aqueous solution by supramolecular interaction. <i>New Journal of Chemistry</i> , 2016, 40, 3300-3307.	2.8	9
26291	Functionalisation of multiwalled carbon nanotubes with thiazole derivative and their influence on SKBR3 and HEK293 cell lines. <i>Materials Technology</i> , 2016, 31, 371-376.	3.0	6
26292	Direct-growth carbon nanotubes on 3D structural microelectrodes for electrophysiological recording. <i>Analyst, The</i> , 2016, 141, 279-284.	3.5	12
26293	Preparation of multiwalled carbon nanotubes/SiO ₂ core-shell nanocomposites by a two-step Stober process. <i>Micro and Nano Letters</i> , 2016, 11, 67-70.	1.3	2
26294	Multiscale modeling of the effect of waviness and agglomeration of CNTs on the elastic properties of nanocomposites. <i>Computational Materials Science</i> , 2016, 117, 195-204.	3.0	68
26295	Multi-walled carbon nanotubes as an adsorbent material for the solid phase extraction of bismuth from aqueous media: Kinetic and thermodynamic studies and analytical applications. <i>Journal of Molecular Liquids</i> , 2016, 216, 693-698.	4.9	31
26296	Strain rate effects on compressive behavior of covalently bonded CNT networks. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 80, 168-175.	2.7	6
26297	The Omega and Sadhana polynomials of TUC ₄ [p], [q] nanotubes. <i>Canadian Journal of Chemistry</i> , 2016, 94, 490-493.	1.1	1
26298	Comparative Analysis of Control Coefficients on the Performance of CNTFET Under Different Parameters. <i>International Journal of Nanoscience</i> , 2016, 15, 1640005.	0.7	4
26299	Adsorption of Triamterene on multi-walled and single-walled carbon nanotubes: Artificial neural network modeling and genetic algorithm optimization. <i>Journal of Molecular Liquids</i> , 2016, 216, 654-665.	4.9	70

#	ARTICLE	IF	CITATIONS
26300	Synthesis of CoFe Prussian blue analogue/carbon nanotube composite material and its application in the catalytic epoxidation of styrene. <i>New Journal of Chemistry</i> , 2016, 40, 3244-3251.	2.8	24
26301	Hydrogen sensing characteristics from carbon nanotube field emissions. <i>Nanoscale</i> , 2016, 8, 5599-5604.	5.6	22
26302	Influence of multiwall carbon nanotube alignment on vibration damping of nanocomposites. <i>Journal of Reinforced Plastics and Composites</i> , 2016, 35, 617-627.	3.1	22
26303	Production of graphitic carbon-based nanocomposites from K ₂ CO ₃ -activated coconut shells as counter electrodes for dye-sensitized solar-cell applications. <i>Journal of the Korean Physical Society</i> , 2016, 68, 317-322.	0.7	4
26304	Molybdenum disulfide nanomaterials: Structures, properties, synthesis and recent progress on hydrogen evolution reaction. <i>Applied Materials Today</i> , 2016, 3, 23-56.	4.3	335
26305	Electrospun carbon nanofibers and their hybrid composites as advanced materials for energy conversion and storage. <i>Nano Energy</i> , 2016, 22, 361-395.	16.0	248
26306	Healing by the Joule effect of electrically conductive poly(ester-urethane)/carbon nanotube nanocomposites. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4089-4097.	10.3	75
26307	Vitamin E TPGS conjugated carbon nanotubes improved efficacy of docetaxel with safety for lung cancer treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 141, 429-442.	5.0	60
26308	Photovoltaic performance enhancement of dye-sensitized solar cells by incorporating poly(sodium-4-styrenesulfonate)-physisorbed MWCNTs into photoelectrode. <i>Materials Chemistry and Physics</i> , 2016, 171, 352-358.	4.0	5
26309	Resistive sensing of gaseous nitrogen dioxide using a dispersion of single-walled carbon nanotubes in an ionic liquid. <i>Materials Research Bulletin</i> , 2016, 78, 53-57.	5.2	8
26310	Molecular Simulation Study of Gas Solubility and Diffusion in a Polymer-Boron Nitride Nanotube Composite. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1273-1284.	2.6	18
26311	Simulation of Fast-Ion motion in nanotubes with random bending. <i>Journal of Surface Investigation</i> , 2016, 10, 261-265.	0.5	1
26312	DSC method for buckling analysis of boron nitride nanotube (BNNT) surrounded by an elastic matrix. <i>Composite Structures</i> , 2016, 143, 300-309.	5.8	105
26313	The structural evolution process and the electronic properties of armchair silicon nanotubes. <i>Superlattices and Microstructures</i> , 2016, 92, 391-402.	3.1	7
26314	The Renaissance of Fullerene Superconductivity. <i>Structure and Bonding</i> , 2016, , 119-138.	1.0	11
26315	Pulsed current field assisted surface modification of carbon nanotubes with nanocrystalline titanium carbide. <i>Carbon</i> , 2016, 101, 261-271.	10.3	40
26316	Significance of the Length of Carbon Nanotubes on the Bioelectrocatalytic Activity of Bilirubin Oxidase for Dioxygen Reduction. <i>Electrochimica Acta</i> , 2016, 192, 133-138.	5.2	27
26317	Adsorption and desorption of dissolved organic matter by carbon nanotubes: Effects of solution chemistry. <i>Environmental Pollution</i> , 2016, 213, 90-98.	7.5	52

#	ARTICLE	IF	CITATIONS
26318	Carbon nanotube dispersion in nematic liquid crystals: An overview. Progress in Materials Science, 2016, 80, 38-76.	32.8	157
26319	Effects of silica-coated carbon nanotubes on the curing behavior and properties of epoxy composites. RSC Advances, 2016, 6, 23318-23326.	3.6	15
26320	Preparation of multi-layer graphene on nickel-coated silicon microchannel plates by a hydrothermal carbonization procedure and its improved field emission properties. Journal of Materials Chemistry C, 2016, 4, 2079-2087.	5.5	23
26321	Catalytic carbon formation: clarifying the alternative kinetic routes and defining a kinetic linearity for sustained growth concept. Reaction Kinetics, Mechanisms and Catalysis, 2016, 118, 393-414.	1.7	8
26322	Geometrical nonlinear free vibration analysis of FG-CNT reinforced composite flat panel under uniform thermal field. Composite Structures, 2016, 143, 336-346.	5.8	84
26323	Ultra-strong gel-spun ultra-high molecular weight polyethylene fibers filled with chitin nanocrystals. RSC Advances, 2016, 6, 20629-20636.	3.6	19
26324	Carbon Honeycomb High Capacity Storage for Gaseous and Liquid Species. Physical Review Letters, 2016, 116, 055501.	7.8	153
26325	Measuring Biological Impacts of Nanomaterials. Bioanalytical Reviews, 2016, , .	0.2	4
26326	Flexible electrical probes made of carbon nanotube bundles. Carbon, 2016, 101, 331-337.	10.3	4
26327	On the efficiency of UV-vis spectroscopy in assessing the dispersion quality in sonicated aqueous suspensions of carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 495, 118-124.	4.7	79
26328	Multi-wall carbon nanotubes chemically modified silica microcolumn preconcentration/separation combined with inductively coupled plasma optical emission spectrometry for the determination of trace elements in environmental waters. International Journal of Environmental Analytical Chemistry, 2016, 96, 212-224.	3.3	9
26329	Study on dosimetry characteristics of polymer-CNT nanocomposites: Effect of polymer matrix. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 816, 101-105.	1.6	24
26330	Enhanced bone regeneration with carbon nanotube reinforced hydroxyapatite in animal model. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 60, 243-255.	3.1	44
26331	Chirality dependent spin polarization of carbon nanotubes. New Journal of Physics, 2016, 18, 023029.	2.9	8
26332	Polarization-selective alignment of a carbon nanotube film by using femtosecond laser ablation. Journal of the Korean Physical Society, 2016, 68, 210-214.	0.7	7
26333	Amino and thiol modified magnetic multi-walled carbon nanotubes for the simultaneous removal of lead, zinc, and phenol from aqueous solutions. Applied Surface Science, 2016, 369, 398-413.	6.1	79
26334	Carbon nanotubes growth on expanded perlite particles via CVD method: The influence of the substrate morphology. Chemical Engineering Journal, 2016, 291, 106-114.	12.7	27
26335	Completely green synthesis of silver nanoparticle decorated MWCNT and its antibacterial and catalytic properties. Pure and Applied Chemistry, 2016, 88, 71-81.	1.9	33

#	ARTICLE	IF	CITATIONS
26336	Distinct molecule adsorption behaviors on warped nanographene C80H30: A theoretical study. Carbon, 2016, 100, 428-434.	10.3	20
26337	Mechanisms of NH3 and NO2 detection in carbon-nanotube-based sensors: An ab initio investigation. Carbon, 2016, 101, 177-183.	10.3	56
26338	Periodic density functional theory study of structural and electronic properties of single-walled zinc oxide and carbon nanotubes. Journal of Solid State Chemistry, 2016, 237, 36-47.	2.9	23
26339	Low-frequency interlayer vibration modes in two-dimensional layered materials. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 80, 130-141.	2.7	18
26340	Cyclic π -electron delocalization in non-planar linear acenes. Physical Chemistry Chemical Physics, 2016, 18, 11813-11820.	2.8	14
26341	Metal-supported carbon-based materials: opportunities and challenges in the synthesis of valuable products. Catalysis Science and Technology, 2016, 6, 1265-1291.	4.1	135
26342	3-D Percolative Model-Based Multiscale Simulation of Randomly Aligned Networks of Carbon Nanotubes. IEEE Transactions on Electron Devices, 2016, 63, 1346-1351.	3.0	15
26343	Nanomaterial based electrochemical sensors for in vitro detection of small molecule metabolites. Biotechnology Advances, 2016, 34, 234-249.	11.7	86
26344	Molecular level mixing: An approach for synthesis of homogenous hybrid ceramic nanocomposite powders. Powder Technology, 2016, 291, 121-130.	4.2	26
26345	Multi-walled carbon nanotubes with selected properties for dynamic filtration of pharmaceuticals and personal care products. Water Research, 2016, 92, 104-112.	11.3	86
26346	Effect of Ethylene Flow Rate and CVD Process Time on Diameter Distribution of MWCNTs. Materials and Manufacturing Processes, 2016, 31, 1537-1542.	4.7	10
26347	Tailored nanoparticles and wires of Sn, Ge and Pb inside carbon nanotubes. Carbon, 2016, 101, 352-360.	10.3	9
26348	Molecular dynamics studies of CNT-reinforced aluminum composites under uniaxial tensile loading. Composites Part B: Engineering, 2016, 91, 119-125.	12.0	145
26349	NBO, AIM, and TD-DFT assisted screening of BNNT optimum diameter on ethyl phosphorodimethylamidocyanidate sensor design. Phosphorus, Sulfur and Silicon and the Related Elements, 2016, 191, 1013-1021.	1.6	6
26350	Carbon nanotube-filled polypropylene/polyethylene blends: compatibilization and electrical properties. Polymer Bulletin, 2016, 73, 975-987.	3.3	39
26351	Optimal design of functionally graded PmPV/CNT nanocomposite cylindrical tube for purpose of torque transmission. Journal of Central South University, 2016, 23, 362-369.	3.0	4
26352	Fabrication and properties of carbon nanotube-reinforced hydroxyapatite composites by a double in situ synthesis process. Carbon, 2016, 101, 159-167.	10.3	50
26353	Impregnated multiwalled carbon nanotubes as efficient sorbent for the solid phase extraction of trace amounts of heavy metal ions in food and water samples. Food Chemistry, 2016, 202, 409-416.	8.2	86

#	ARTICLE	IF	CITATIONS
26354	Existence of hydroxylated MWCNTs demotes the catalysis effect of amylases against starch degradation. International Journal of Biological Macromolecules, 2016, 86, 250-261.	7.5	6
26355	Carbon Nanofibres and Nanotubes for Composite Applications. Textile Science and Clothing Technology, 2016, , 231-260.	0.5	6
26356	Catalytic CVD-growth of array of multiwall carbon nanotubes on initially amorphous film Coâ€Žrâ€ŽNaâ€ŽO. Diamond and Related Materials, 2016, 64, 97-102.	3.9	14
26357	Nanobiosensors. , 2016, , 299-312.		1
26358	Hydrogen storage by BeO nano-cage: A DFT study. Applied Surface Science, 2016, 368, 76-81.	6.1	44
26359	Effects of B, N, P and B/N, B/P pair into zigzag single-walled carbon nanotubes: A first-principle study. Chemical Physics Letters, 2016, 646, 95-101.	2.6	21
26360	Ultrasonication assisted and surfactant mediated synergistic approach for synthesis of calcium sulfate nano-dendrites. Ultrasonics Sonochemistry, 2016, 31, 39-50.	8.2	13
26361	A novel voltammetric sensor for citalopram based on multiwall carbon nanotube/(poly(p-aminobenzene sulfonic acid)/Î²-cyclodextrin). Materials Science and Engineering C, 2016, 62, 480-488.	7.3	21
26362	Preparation of point-line Bi ₂ WO ₆ @TiO ₂ nanowires composite photocatalysts with enhanced UV/visible-light-driven photocatalytic activity. Materials Science in Semiconductor Processing, 2016, 45, 51-56.	4.0	20
26363	Toward Label-Free Biosensing With Silicon Carbide: A Review. IEEE Access, 2016, 4, 477-497.	4.2	19
26364	Water inside carbon nanotubes: structure and dynamics. Nanotechnology Reviews, 2016, 5, .	5.8	27
26365	Easy synthesis of porous carbon mesospheres and its functionalization with titania nanoparticles for enhanced field emission and photocatalytic activity. Materials Chemistry and Physics, 2016, 175, 22-32.	4.0	7
26366	Potential Interference of Proteinâ€™Protein Interactions by Graphyne. Journal of Physical Chemistry B, 2016, 120, 2124-2131.	2.6	18
26367	Growing Carbon Nanotubes from Both Sides of Graphene. ACS Applied Materials & Interfaces, 2016, 8, 7356-7362.	8.0	34
26368	Changing liquid crystalline phase with field. Liquid Crystals, 2016, 43, 770-776.	2.2	0
26369	Electrically conductive polymeric membranes for fouling prevention and detection: A review. Desalination, 2016, 391, 1-15.	8.2	165
26370	Preparation and investigation on third-order nonlinear optical properties of ZnS/MWCNTs composite materials. Materials Letters, 2016, 172, 44-47.	2.6	8
26371	Free vibration of shallow and deep curved FG nanobeam via nonlocal Timoshenko curved beam model. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	59

#	ARTICLE	IF	CITATIONS
26372	A facile Friedel-Crafts acylation for the synthesis of polyethylenimine-grafted multi-walled carbon nanotubes as efficient gene delivery vectors. <i>International Journal of Pharmaceutics</i> , 2016, 502, 125-137.	5.2	27
26373	Free space material characterization of carbon nanotube thin films at sub-terahertz frequencies. <i>Journal of Electromagnetic Waves and Applications</i> , 2016, 30, 589-598.	1.6	0
26374	Microwave Absorption Study of Polyaniline Nanocomposites with Different Dimension of Multiwalled Carbon Nanotubes. <i>Materials Science Forum</i> , 2016, 846, 465-470.	0.3	0
26375	Application of solid phase microextraction and needle trap device with silica composite of carbon nanotubes for determination of perchloroethylene in laboratory and field. <i>Analytica Chimica Acta</i> , 2016, 918, 43-49.	5.4	23
26376	Carbon Nanotube Emissions from Arc Discharge Production: Classification of Particle Types with Electron Microscopy and Comparison with Direct Reading Techniques. <i>Annals of Occupational Hygiene</i> , 2016, 60, 493-512.	1.9	4
26377	Effects of lithium doping on hydrogen storage properties of heat welded random CNT network structures. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 8246-8255.	7.1	18
26378	Quantitative analyses of PEGylated phospholipids adsorbed on single walled carbon nanohorns by high resolution magic angle spinning 1H NMR. <i>Carbon</i> , 2016, 101, 213-217.	10.3	12
26379	Mechanical properties of suspended individual carbon nanotube studied by atomic force microscope. <i>Synthetic Metals</i> , 2016, 216, 88-92.	3.9	12
26380	Single-walled carbon nanotubes functionalized by a series of dichlorocarbenes: DFT study. <i>Modern Physics Letters B</i> , 2016, 30, 1650118.	1.9	1
26381	Preparation of CNT/AlSi10Mg composite powders by high-energy ball milling and their physical properties. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2016, 23, 330-338.	4.9	8
26382	Alkaline phosphatase mediated synthesis of carbon nanotube-hydroxyapatite nanocomposite and its application for electrochemical determination of luteolin. <i>Advanced Powder Technology</i> , 2016, 27, 921-928.	4.1	39
26383	Buckling behavior of carbon nanotubes under bending: From ripple to kink. <i>Carbon</i> , 2016, 102, 224-235.	10.3	37
26384	Energy absorption induced oscillation of a rotating curved carbon nanotube in a nano bearing. <i>Computational Materials Science</i> , 2016, 115, 72-76.	3.0	4
26385	Development of an accurate molecular mechanics model for buckling behavior of multi-walled carbon nanotubes under axial compression. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 65, 43-60.	2.4	44
26386	Growth of carbon nanofibers from methane on a hydroxyapatite-supported nickel catalyst. <i>Journal of Materials Science</i> , 2016, 51, 5367-5376.	3.7	26
26387	Effect of VA and MWNT contents on the rheological and physical properties of EVA. <i>Korea Australia Rheology Journal</i> , 2016, 28, 41-49.	1.7	7
26388	The Challenge of Nanomaterial Risk Assessment. , 2016, , 1-20.		1
26389	Sustainable synthesis of Co NPs@Graphited carbon microspheres as an efficient electrocatalyst for the oxygen-evolution reaction. <i>Chemical Engineering Journal</i> , 2016, 294, 193-201.	12.7	15

#	ARTICLE	IF	CITATIONS
26390	Inherent and interfacial evaluations of carbon nanotubes/epoxy composites and single carbon fiber at different temperatures. Composites Part B: Engineering, 2016, 91, 111-118.	12.0	14
26391	Hot electrons injection in carbon nanotubes under the influence of quasi-static ac-field. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 81, 145-149.	2.7	7
26392	A Simple Pyrolysis Route To Synthesize Carbon Nanofibers in Molten Zinc Chloride as an Anode Material for Li Ion Batteries. Journal of Physical Chemistry C, 2016, 120, 5326-5330.	3.1	10
26393	A new green switchable hydrophobicâ€“hydrophilic transition dispersive solidâ€“liquid microextraction of selenium in water samples. Analytical Methods, 2016, 8, 2756-2763.	2.7	20
26394	Nickel cluster functionalised carbon nanotube for CO molecule detection: a theoretical study. Molecular Physics, 2016, 114, 671-680.	1.7	8
26395	Enhancing Power Conversion Efficiency of Dye-Sensitized Solar Cell Using TiO ₂ -MWCNT Composite Photoanodes. IEEE Journal of Photovoltaics, 2016, 6, 486-490.	2.5	13
26396	Quantum Ion-Acoustic Oscillations in Single-Walled Carbon Nanotubes. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2016, 71, 397-404.	1.5	0
26397	Development of high-performance resin nanocomposites by resin cellulation using multi-walled carbon nanotubes. Composites Part B: Engineering, 2016, 91, 422-430.	12.0	5
26398	Adsorption of binary CO ₂ /CH ₄ mixtures using carbon nanotubes: Effects of confinement and surface functionalization. Separation Science and Technology, 2016, 51, 1079-1092.	2.5	4
26399	Amorphized graphene: A stiff material with low thermal conductivity. Carbon, 2016, 103, 318-326.	10.3	82
26400	Continuous Preparation of Carbon Nanotube Film and Its Applications in Fuel and Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 7818-7825.	8.0	23
26401	A Sensitive and simple macrophage-based electrochemical biosensor for evaluating lipopolysaccharide cytotoxicity of pathogenic bacteria. Biosensors and Bioelectronics, 2016, 81, 349-357.	10.1	28
26402	High-Performance Carbon Nanotube/Polymer Composite Fiber from Layer-by-Layer Deposition. ACS Applied Materials & Interfaces, 2016, 8, 8137-8144.	8.0	44
26403	Synthesis of novel 2-d carbon materials: sp ² carbon nanoribbon packing to form well-defined nanosheets. Materials Horizons, 2016, 3, 214-219.	12.2	28
26404	CoFe ₂ O ₄ -decorated carbon nanotubes for the dehydration of glucose and fructose. New Journal of Chemistry, 2016, 40, 4468-4471.	2.8	15
26405	High-Speed Surfactant-Free Fabrication of Large Carbon Nanotube Membranes for Multifunctional Composites. Journal of Aerospace Engineering, 2016, 29, 04015060.	1.4	11
26406	Computational design of smallest nanotube junctions in 0.3 nm diameter. Materials and Design, 2016, 95, 641-647.	7.0	9
26407	Structural, Electronic, Vibrational, and Topological Analysis of Single-Walled Zinc Oxide Nanotubes. Journal of Physical Chemistry C, 2016, 120, 6814-6823.	3.1	28

#	ARTICLE	IF	CITATIONS
26408	Structural and electronic properties study on B-N co-doped (4,3) carbon nanotubes through first-principles calculations. <i>Physica B: Condensed Matter</i> , 2016, 490, 63-72.	2.7	4
26409	Density functional theory (DFT) study of a new novel bionanosensor hybrid; tryptophan/Pd doped single walled carbon nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 81, 116-121.	2.7	51
26410	Tuning the electronic properties of single-walled SiC nanotubes by external electric field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 81, 192-195.	2.7	8
26411	Quantitative 3D electromagnetic field determination of 1D nanostructures from single projection. <i>Ultramicroscopy</i> , 2016, 164, 24-30.	1.9	7
26412	Classification of carbon nanostructure families occurring in a chemically activated arc discharge reaction. <i>RSC Advances</i> , 2016, 6, 24912-24920.	3.6	7
26413	Optimization of catalyst formation conditions for synthesis of carbon nanotubes using Taguchi method. <i>Applied Surface Science</i> , 2016, 371, 425-435.	6.1	26
26414	Diameter-control in synthesis of carbon nanotubes inside porous stainless steel block and application to glucose fuel cell electrode. <i>Carbon</i> , 2016, 103, 151-156.	10.3	6
26415	Screw Dislocation-Driven Growth of the Layered Spiral-type SnSe Nanoplates. <i>Crystal Growth and Design</i> , 2016, 16, 2052-2056.	3.0	21
26416	Determination of Tetracycline Antibiotic Residues in Honey and Milk by Miniaturized Solid Phase Extraction Using Chitosan-Modified Graphitized Multiwalled Carbon Nanotubes. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2647-2654.	5.2	74
26417	Semiconducting Carbon Nanotubes: Properties, Characterization and Selected Applications. <i>Nanoscience and Technology</i> , 2016, , 239-259.	1.5	1
26418	Viscosity of carbon nanotube suspension using artificial neural networks with principal component analysis. <i>Heat and Mass Transfer</i> , 2016, 52, 2345-2355.	2.1	13
26419	Structural morphology of carbon nanofibers grown on different substrates. <i>Carbon</i> , 2016, 98, 343-351.	10.3	25
26420	Synthesis of graphene encapsulated Fe ₃ C in carbon nanotubes from biomass and its catalysis application. <i>Carbon</i> , 2016, 99, 330-337.	10.3	155
26421	Improved electrogenerated chemiluminescence of luminol by cobalt nanoparticles decorated multi-walled carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2016, 762, 80-86.	3.8	19
26422	Carbon nanotubes and graphene nano field-effect transistor-based biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 222-232.	11.4	128
26423	Sustainable Life Cycles of Natural-Precursor-Derived Nanocarbons. <i>Chemical Reviews</i> , 2016, 116, 163-214.	47.7	163
26424	Field dependence of liquid-crystalline phase in liquid-crystal and carbon nanotubes composite. <i>Liquid Crystals</i> , 2016, 43, 484-487.	2.2	6
26425	Biomimetic modification of large diameter carbon nanotubes and the desalination behavior of its reverse osmosis membrane. <i>Desalination</i> , 2016, 379, 164-171.	8.2	47

#	ARTICLE	IF	CITATIONS
26426	Preparation of carbon nanotube-activated carbon hybrid electrodes by electrophoretic deposition for supercapacitor applications. <i>Diamond and Related Materials</i> , 2016, 62, 58-64.	3.9	37
26427	Photoinduced Absorption within Single-Walled Carbon Nanotube Systems. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1926-1935.	3.1	12
26428	High Surface Area Carbon Electrodes for Bromine Reactions in H_2 - Br_2 Fuel Cells. <i>Journal of the Electrochemical Society</i> , 2016, 163, A5126-A5133.	2.9	20
26429	Nanotoxicology of Carbon-Based Nanomaterials. <i>Nanomedicine and Nanotoxicology</i> , 2016, , 105-137.	0.2	2
26430	Investigation of the molecular structure, electronic properties, AIM, NBO, NMR and NQR parameters for the interaction of Sc, Ga and Mg-doped (6,0) aluminum nitride nanotubes with $COCl_2$ gas by DFT study. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 84, 99-114.	1.6	34
26431	Adsorption of chlorophenols from aqueous solutions by pristine and surface functionalized single-walled carbon nanotubes. <i>Journal of Environmental Sciences</i> , 2016, 43, 187-198.	6.1	59
26432	Modern trends in solid phase extraction: New sorbent media. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 77, 23-43.	11.4	474
26433	Nano-Bioelectronics. <i>Chemical Reviews</i> , 2016, 116, 215-257.	47.7	530
26434	Electronic and optical properties of graphene nanoribbons in external fields. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 7573-7616.	2.8	74
26435	On the plasma-based growth of "flowing" graphene sheets at atmospheric pressure conditions. <i>Plasma Sources Science and Technology</i> , 2016, 25, 015013.	3.1	51
26436	Carbon nanoribbons and nanotubes based on Γ -graphyne: A first-principles study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 78, 19-24.	2.7	12
26437	Preparation of NiO Nanocatalyst Supported on MWCNTs and Its Application in Reduction of Nitrobenzene to Aniline in Liquid Phase. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 959-967.	0.6	13
26438	Enhanced sequestration of selenite in water by nanoscale zero valent iron immobilization on carbon nanotubes by a combined batch, XPS and XAFS investigation. <i>Carbon</i> , 2016, 99, 123-130.	10.3	181
26439	Functionalised graphene-multiwalled carbon nanotube hybrid poly(styrene-b-butadiene-b-styrene) nanocomposites. <i>Composites Part B: Engineering</i> , 2016, 90, 315-325.	12.0	50
26440	A new polythiophene-driven coating method on an inorganic $INT/IF-WS_2$ nanomaterial surface. <i>RSC Advances</i> , 2016, 6, 4490-4504.	3.6	5
26441	Buckling analysis of piezoelectric cylindrical composite panels reinforced with carbon nanotubes. <i>International Journal of Mechanical Sciences</i> , 2016, 107, 69-79.	6.7	71
26442	Amorphous carbon nanotubes as potent sorbents for removal of a phenolic derivative compound and arsenic: theoretical support of experimental findings. <i>RSC Advances</i> , 2016, 6, 8913-8922.	3.6	17
26443	Sheet resistance measurements of carbon nanotube forests for extended electrodes. <i>Diamond and Related Materials</i> , 2016, 61, 70-75.	3.9	2

#	ARTICLE	IF	CITATIONS
26444	Modeling of carbon nanotubes and carbon nanotube/polymer composites. Progress in Aerospace Sciences, 2016, 80, 33-58.	12.1	77
26445	Synthesis and characterization of magnetic elongated hollow mesoporous silica nanocapsules with silver nanoparticles. Journal of Materials Chemistry A, 2016, 4, 1771-1783.	10.3	29
26446	Static and free vibration analysis of functionally graded carbon nanotube reinforced skew plates. Composite Structures, 2016, 140, 473-490.	5.8	66
26447	Oxidation of Carbon Nanotubes in an Ionizing Environment. Nano Letters, 2016, 16, 856-863.	9.1	34
26448	Synthesis, modification, and photo/photoelectrocatalytic degradation applications of TiO ₂ nanotube arrays: a review. Nanotechnology Reviews, 2016, 5, .	5.8	118
26449	Three-dimensional analysis of morphological changes in the malaria parasite infected red blood cell by serial block-face scanning electron microscopy. Journal of Structural Biology, 2016, 193, 162-171.	2.8	23
26450	Surface physics of semiconducting nanowires. Progress in Surface Science, 2016, 91, 1-28.	8.3	36
26451	Synergistic effect of iron oxide modified carbon nanotubes on the thermal stability of silicone rubber under different atmospheres. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1281-1291.	3.6	14
26452	Diamond formation through metastable liquid carbon. Diamond and Related Materials, 2016, 62, 42-48.	3.9	1
26453	Potential and performance of a polydopamine-coated multiwalled carbon nanotube/polysulfone nanocomposite membrane for ultrafiltration application. Journal of Industrial and Engineering Chemistry, 2016, 34, 364-373.	5.8	75
26454	Free vibrations analysis of carbon nanotubes resting on Winkler foundations based on nonlocal models. Physica B: Condensed Matter, 2016, 484, 83-94.	2.7	40
26455	International standardized procedures for <i>in vivo</i> evaluation of multi-walled carbon nanotube toxicity in water. Toxicological and Environmental Chemistry, 2016, 98, 829-847.	1.2	7
26456	Nanomaterials towards fabrication of cholesterol biosensors: Key roles and design approaches. Biosensors and Bioelectronics, 2016, 75, 196-205.	10.1	94
26457	Synthesis of MWCNT-COOH-Cysteamine composite and its application for dye removal. Journal of Molecular Liquids, 2016, 215, 221-228.	4.9	74
26458	Hydrogen and Fuel Cell. , 2016, , .		19
26459	Monitoring/Imaging and Regenerative Agents for Enhancing Tissue Engineering Characterization and Therapies. Annals of Biomedical Engineering, 2016, 44, 750-772.	2.5	18
26460	Phenol functionalized MWCNTs: A dispersion study into polar solvents by small angle neutron scattering. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 496, 94-99.	4.7	6
26461	Concentration-dependent effects of carbon nanotubes on growth and biphenyl degradation of <i>Dyella ginsengisoli</i> LA-4. Environmental Science and Pollution Research, 2016, 23, 2864-2872.	5.3	15

#	ARTICLE	IF	CITATIONS
26462	Biofunctionalized carbon nanocomposites: New-generation diagnostic tools. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 12-21.	11.4	13
26463	Immobilization of hemoglobin on functionalized multi-walled carbon nanotubes-poly-L-histidine-zinc oxide nanocomposites toward the detection of bromate and H ₂ O ₂ . <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 607-617.	7.8	32
26464	A novel voltammetric sensor based on poly(L-Citrulline)/SWCNTs composite film modified electrode for sensitive determination of picoside II. <i>Talanta</i> , 2016, 150, 346-354.	5.5	5
26465	Reusable potentiometric screen-printed sensor and label-free aptasensor with pseudo-reference electrode for determination of tryptophan in the presence of tyrosine. <i>Talanta</i> , 2016, 150, 425-433.	5.5	47
26466	Parametric analysis of frequency of rotating laminated CNT reinforced functionally graded cylindrical panels. <i>Composites Part B: Engineering</i> , 2016, 90, 251-266.	12.0	41
26467	Toward the suppression of cellular toxicity from single-walled carbon nanotubes. <i>Biomaterials Science</i> , 2016, 4, 230-244.	5.4	40
26468	Assembly of polyaniline nanotubes by interfacial polymerization for corrosion protection. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 3504-3509.	2.8	19
26469	Geometrically nonlinear free vibration and instability of fluid-conveying nanoscale pipes including surface stress effects. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	79
26470	Carbon Nanotubes with Special Architectures for Biomedical Applications. <i>Springer Series in Biomaterials Science and Engineering</i> , 2016, , 113-143.	1.0	3
26471	Macroscopic-scale synthesis of nitrogen-doped carbon nanofiber aerogels by template-directed hydrothermal carbonization of nitrogen-containing carbohydrates. <i>Nano Energy</i> , 2016, 19, 117-127.	16.0	115
26472	Influence of transition metal atoms doping on structural, electronic and nonlinear optical properties of Mg ₁₂ O ₁₂ nanoclusters: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 77, 48-53.	2.7	32
26473	High electrical conductivity of double-walled carbon nanotube fibers by hydrogen peroxide treatments. <i>Journal of Materials Chemistry A</i> , 2016, 4, 74-82.	10.3	41
26474	Determination of Clenbuterol by Multiwalled Carbon Nanotube Potentiometric Sensors. <i>Analytical Letters</i> , 2016, 49, 778-789.	1.8	13
26475	Bending analysis of embedded carbon nanotubes resting on an elastic foundation using strain gradient theory. <i>Acta Astronautica</i> , 2016, 119, 1-12.	3.2	172
26476	Effect of multi-walled carbon nanotubes on mechanical, thermal and electrical properties of phenolic foam via in-situ polymerization. <i>Composites Part A: Applied Science and Manufacturing</i> , 2016, 82, 214-225.	7.6	62
26477	A comparative study of FESEM and EDX analyses of Datong coal in N ₂ and CO ₂ environments. <i>Journal of Physics and Chemistry of Solids</i> , 2016, 89, 32-38.	4.0	1
26478	Effect of highly dispersed sputtered silver nanoparticles on structural properties of multiwalled carbon nanotubes. <i>Materials Science in Semiconductor Processing</i> , 2016, 41, 109-113.	4.0	9
26479	Characterization of alkali activated geopolymer mortar doped with MWCNT. <i>Construction and Building Materials</i> , 2016, 102, 329-337.	7.2	127

#	ARTICLE	IF	CITATIONS
26480	A Review on Composite Papers of Graphene Oxide, Carbon Nanotube, Polymer/GO, and Polymer/CNT: Processing Strategies, Properties, and Relevance. Polymer-Plastics Technology and Engineering, 2016, 55, 559-581.	1.9	40
26481	First-Principles Calculations of Magnetism in Nanoscale Carbon Materials Confining Metal with f Valence Electrons. Journal of Cluster Science, 2016, 27, 845-860.	3.3	9
26482	Electrochemical hydrogen storage in EPD made porous Ni-CNT electrode. International Journal of Hydrogen Energy, 2016, 41, 10311-10315.	7.1	46
26483	Is MWCNT a good synergistic candidate in APPâ€“PERâ€“MEL intumescent coating for steel structure?. Progress in Organic Coatings, 2016, 90, 252-257.	3.9	31
26484	Thermal, mechanical and viscoelastic properties of compatibilized polypropylene/multi-walled carbon nanotube nanocomposites. Journal of Elastomers and Plastics, 2016, 48, 576-599.	1.5	10
26485	Removal of Oxidation Fragments from Multi-walled Carbon Nanotubes Oxide Using High and Low Concentrations of Sodium Hydroxide. Arabian Journal for Science and Engineering, 2016, 41, 2211-2220.	1.1	13
26486	Hydrothermal synthesis and mechanism of triangular prism-like monocrystalline CeO ₂ nanotubes via a facile template-free hydrothermal route. Ceramics International, 2016, 42, 4700-4708.	4.8	51
26487	RMVT-Based Nonlocal Timoshenko Beam Theory for Stability Analysis of Embedded Single-Walled Carbon Nanotube with Various Boundary Conditions. International Journal of Structural Stability and Dynamics, 2016, 16, 1550068.	2.4	10
26488	Sustainable carbon nanomaterials: Recent advances and its applications in energy and environmental remediation. Journal of Environmental Chemical Engineering, 2016, 4, 835-856.	6.7	77
26489	Design fabrication and characterisation of polyaniline and multiwall carbon nanotubes compositesâ€“based patch antenna. IET Microwaves, Antennas and Propagation, 2016, 10, 88-93.	1.4	20
26490	Rainbow channeling of protons in very short carbon nanotubes with aligned Stoneâ€“Wales defects. Nuclear Instruments & Methods in Physics Research B, 2016, 367, 37-45.	1.4	4
26491	The effect of surface oxygenated groups of carbon nanotubes on liquid phase catalytic oxidation of cumene. Catalysis Science and Technology, 2016, 6, 2396-2402.	4.1	15
26492	Template-free synthesis of porous carbonaceous solid acids with controllable acid sites and their excellent activity for catalyzing the synthesis of biofuels and fine chemicals. Catalysis Science and Technology, 2016, 6, 2995-3007.	4.1	32
26493	A comprehensive review on anti-fouling nanocomposite membranes for pressure driven membrane separation processes. Desalination, 2016, 379, 137-154.	8.2	501
26494	Accurate prediction of hydrogen storage capacity of small boron nitride nanocages by dispersion corrected semi-empirical PM6-DH2 method. International Journal of Hydrogen Energy, 2016, 41, 392-400.	7.1	12
26495	Effects of concentration of reduced graphene oxide on properties of solâ€“gel prepared Al-doped zinc oxide thin films. Thin Solid Films, 2016, 605, 143-148.	1.8	21
26496	A supramolecular helix that disregards chirality. Nature Chemistry, 2016, 8, 80-89.	13.6	147
26497	Synthesis, purification and microstructural characterization of nickel doped carbon nanotubes for spintronic applications. Ceramics International, 2016, 42, 5600-5606.	4.8	21

#	ARTICLE	IF	CITATIONS
26498	Processing and Characterizations of Nanofiller-Modulated poly(3-hydroxybutyrate-co-3-hydroxyvalerate) Composites. Polymer-Plastics Technology and Engineering, 2016, 55, 663-671.	1.9	4
26499	Synthesis, Purification and Functionalization of Carbon Nanotubes for Biotechnological Applications. Nanomedicine and Nanotoxicology, 2016, , 139-163.	0.2	1
26500	Wave propagation in fluid-conveying viscoelastic carbon nanotubes based on nonlocal strain gradient theory. Computational Materials Science, 2016, 112, 282-288.	3.0	155
26501	Synthesis of carbon nanotubes by catalytic chemical vapour deposition: A review on carbon sources, catalysts and substrates. Materials Science in Semiconductor Processing, 2016, 41, 67-82.	4.0	408
26502	Preparation of a novel ionic hybrid stationary phase by non-covalent functionalization of single-walled carbon nanotubes with amino-derivatized silica gel for fast HPLC separation of aromatic compounds. Talanta, 2016, 149, 21-29.	5.5	17
26503	Engineered Carbon-Nanomaterial-Based Electrochemical Sensors for Biomolecules. ACS Nano, 2016, 10, 46-80.	14.6	433
26504	Prediction of two planar carbon allotropes with large meshes. Physical Chemistry Chemical Physics, 2016, 18, 1172-1177.	2.8	12
26505	Nanocomposites of triazole functionalized multi-walled carbon nanotube with chemically grafted polyimide: preparation, characterization, and properties. Fullerenes Nanotubes and Carbon Nanostructures, 2016, 24, 128-138.	2.1	11
26506	Heavy metal removal from aqueous solution by advanced carbon nanotubes: Critical review of adsorption applications. Separation and Purification Technology, 2016, 157, 141-161.	7.9	977
26507	Three-dimensional dynamic behavior of suspended single wall carbon nanotubes. International Journal of Mechanical Sciences, 2016, 105, 369-377.	6.7	4
26508	Fabrication, characterization, purification and photoluminescence properties of carbon nanomaterials over water-soluble alkali salts. Materials Research Bulletin, 2016, 74, 218-225.	5.2	3
26509	Synthesis and Characterization of Au NPs/Molybdophosphoric Acid/CNT Tricomponent Nanohybrid. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 596-601.	0.6	0
26510	Copper ions removal from aqueous solutions using acid-chitosan functionalized carbon nanotubes sheets. Desalination and Water Treatment, 2016, 57, 15384-15396.	1.0	34
26511	In-plane thermal loading effects on vibrational characteristics of functionally graded nanobeams. Meccanica, 2016, 51, 951-977.	2.0	25
26512	Wave propagation in viscoelastic single-walled carbon nanotubes with surface effect under magnetic field based on nonlocal strain gradient theory. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 75, 118-124.	2.7	212
26513	Preparation, characterization, and adsorption properties of magnetic multi-walled carbon nanotubes for simultaneous removal of lead(II) and zinc(II) from aqueous solutions. Desalination and Water Treatment, 2016, 57, 18446-18462.	1.0	23
26514	Nonlinear Vibration of Single-Walled Carbon Nanotubes Under Magnetic Field by Stochastic Finite Element Method. International Journal of Structural Stability and Dynamics, 2016, 16, 1550046.	2.4	7
26515	CVD growth of 1D and 2D sp ² carbon nanomaterials. Journal of Materials Science, 2016, 51, 640-667.	3.7	70

#	ARTICLE	IF	CITATIONS
26516	Stability and electronic structures of double-walled armchair germanium carbide nanotubes. Computational Materials Science, 2016, 111, 86-90.	3.0	11
26517	Effect of various thermal loadings on buckling and vibrational characteristics of nonlocal temperature-dependent functionally graded nanobeams. Mechanics of Advanced Materials and Structures, 2016, 23, 1379-1397.	2.6	116
26518	A sensor array based on trigonal-selenium nanowires for the detection of gas mixtures. Sensors and Actuators B: Chemical, 2016, 223, 131-137.	7.8	9
26519	Heat conduction in coaxial nanocables of Au nanowire core and carbon nanotube shell: A molecular dynamics simulation. International Journal of Thermal Sciences, 2016, 99, 64-70.	4.9	19
26520	Structural and electrical properties of selenium nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 238-241.	2.1	5
26521	Carbon nanotube “Protamine hybrid: Evaluation of DNA cell penetration. Carbon, 2016, 96, 742-752.	10.3	14
26522	Kinetic analysis of the non-isothermal degradation of high-density polyethylene filled with multi-wall carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2016, 123, 1523-1544.	3.6	34
26523	Influence of Fe Catalyst Morphology on the Growing of Carbon Nanotubes. IFMBE Proceedings, 2016, , 205-208.	0.3	0
26524	Ni–Al bimetallic catalysts for preparation of multiwalled carbon nanotubes from polypropylene: Influence of the ratio of Ni/Al. Applied Catalysis B: Environmental, 2016, 181, 769-778.	20.2	54
26525	Spark plasma sintering of multi-, single/double- and single-walled carbon nanotube-reinforced alumina composites: Is it justifiable the effort to reinforce them?. Ceramics International, 2016, 42, 2054-2062.	4.8	52
26526	A power series for vibration of a rotating nanobeam with considering thermal effect. Mechanics of Advanced Materials and Structures, 2016, 23, 1414-1420.	2.6	30
26527	Nonlocal vibration and stability of a multiple-nanobeam system coupled by the Winkler elastic medium. Applied Mathematical Modelling, 2016, 40, 1599-1614.	4.2	38
26528	How carbo-benzenes fit molecules in their inner core as do biologic ion carriers?. Structural Chemistry, 2016, 27, 249-259.	2.0	6
26529	Influence of the wetting behavior and surface energy on the dispersibility of multi-wall carbon nanotubes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 489, 57-66.	4.7	25
26530	Characterization of the mechanical properties of polyphenylene polymer using molecular dynamics simulations. Physica B: Condensed Matter, 2016, 481, 80-85.	2.7	12
26531	Characterisation of commercially CVD grown multi-walled carbon nanotubes for paint applications. Progress in Organic Coatings, 2016, 90, 44-53.	3.9	77
26533	Vibration analysis of CNT reinforced functionally graded composite plates in a thermal environment based on Reddy’s higher-order shear deformation theory. Composite Structures, 2016, 156, 276-290.	5.8	78
26534	Flow and heat transfer of nanofluid in an asymmetric channel with expanding and contracting walls suspended by carbon nanotubes: A numerical investigation. Aerospace Science and Technology, 2016, 48, 53-60.	4.8	57

#	ARTICLE	IF	CITATIONS
26535	Thin and flexible multi-walled carbon nanotube/waterborne polyurethane composites with high-performance electromagnetic interference shielding. Carbon, 2016, 96, 768-777.	10.3	301
26536	Analysis of a gradient-elastic beam on Winkler foundation and applications to nano-structure modelling. European Journal of Mechanics, A/Solids, 2016, 56, 45-58.	3.7	6
26537	Image potential and stopping force in the interaction of fast ions with carbon nanotubes: The extended two-fluid hydrodynamic model. Nuclear Instruments & Methods in Physics Research B, 2016, 366, 83-89.	1.4	1
26538	Metal Matrix Composites for Thermal Management: A Review. Critical Reviews in Solid State and Materials Sciences, 2016, 41, 132-157.	12.3	83
26539	Functionalization of single-walled (<i>n</i>,0) carbon and boron nitride nanotubes by carbonyl derivatives (<i>n</i> = 5, 6): a DFT study. Canadian Journal of Chemistry, 2016, 94, 105-111.	1.1	6
26540	Nanomaterials-Embedded Liquid Crystal Elastomers in Electronics Devices Application. Springer Series on Polymer and Composite Materials, 2016, , 365-390.	0.7	1
26541	Atomic-Layer Molybdenum Sulfide Passively Modulated Green Laser Pulses. IEEE Photonics Technology Letters, 2016, 28, 197-200.	2.5	20
26542	A noble 2-dimensional BN nano structure with tunable band gap by organic molecules. Computational Materials Science, 2016, 111, 366-373.	3.0	11
26543	DFT study on the chemical sensitivity of C3N nanotubes toward acetone. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 76, 151-157.	2.7	8
26544	Characterization of Carbon Nanotube Based Composites under Consideration of Defects. Advanced Structured Materials, 2016, , .	0.5	11
26545	Controlled Atmosphere Transmission Electron Microscopy. , 2016, , .		34
26546	Microstructure and mechanical properties of AZ91 alloy reinforced by carbon nanotubes coated with MgO. Carbon, 2016, 96, 843-855.	10.3	144
26547	A review of exposure and toxicological aspects of carbon nanotubes, and as additives to fire retardants in polymers. Critical Reviews in Toxicology, 2016, 46, 74-95.	3.9	11
26548	Carbon capture by physical adsorption: Materials, experimental investigations and numerical modeling and simulations â€” A review. Applied Energy, 2016, 161, 225-255.	10.1	498
26549	A facile controlled in-situ synthesis of monodisperse magnetic carbon nanotubes nanocomposites using water-ethylene glycol mixed solvents. Journal of Alloys and Compounds, 2016, 657, 138-143.	5.5	7
26550	Vibration analysis of functionally graded carbon nanotube-reinforced composite shell structures. Acta Mechanica, 2016, 227, 581-599.	2.1	81
26551	Carbon nanotubes as solid-phase extraction sorbents for the extraction of carbamate insecticides from environmental waters. International Journal of Environmental Science and Technology, 2016, 13, 201-208.	3.5	35
26552	The interaction of 2,6-dichlorobenzylidene-2,4-dichloroaniline (2,6-DBDA) and 2,4-dichlorobenzylidene-2,4-dichloroaniline (2,4-DBDA) with single-walled carbon nanotube: A DFT study. Journal of Molecular Structure, 2016, 1105, 128-134.	3.6	6

#	ARTICLE	IF	CITATIONS
26553	Advances in mechanical analysis of structurally and atomically modified carbon nanotubes and degenerated nanostructures: A review. Composites Part B: Engineering, 2016, 86, 95-107.	12.0	45
26554	Carbon materials for Li-ion batteries: Functional evolution and performance improvement. Energy Storage Materials, 2016, 2, 76-106.	18.0	504
26555	Properties of armchair ZnTe nanotubes: A density functional study. Computational Materials Science, 2016, 112, 1-7.	3.0	3
26556	Overview of the Field. , 2016, , 113-174.		1
26557	Stochastic numerical solver for nanofluidic problems containing multi-walled carbon nanotubes. Applied Soft Computing Journal, 2016, 38, 561-586.	7.2	78
26558	Synthesis and characterization of Co3O4 ultra-nanosheets and Co3O4 ultra-nanosheet-Ni(OH)2 as non-enzymatic electrochemical sensors for glucose detection. Materials Science and Engineering C, 2016, 59, 500-508.	7.3	78
26559	Electrochemical sensing platforms based on the different carbon derivative incorporated interface. Materials Science and Engineering C, 2016, 58, 790-798.	7.3	16
26560	Effect of structural differences of carbon nanotubes and graphene based iridium-NHC materials on the hydrogen transfer catalytic activity. Carbon, 2016, 96, 66-74.	10.3	25
26561	Single-walled carbon nanotubes prepared in small AlPO 4 -5 and CoAPO-5 molecular sieves by low-temperature hydrocracking. Microporous and Mesoporous Materials, 2016, 219, 87-92.	4.4	11
26562	F2 storage by confinement inside carbon nanotubes. Canadian Journal of Chemistry, 2016, 94, 15-19.	1.1	7
26563	Photoluminescent carbon nanotubes interrogate the permeability of multicellular tumor spheroids. Carbon, 2016, 97, 99-109.	10.3	41
26564	Preparation and structural evolution of well aligned-carbon nanotube arrays onto conductive carbon-black layer/carbon paper substrate with enhanced discharge capacity for Li-ion air batteries. Chemical Engineering Journal, 2016, 283, 911-921.	12.7	17
26565	Selective solid-phase extraction and analysis of trace-level Cr(III), Fe(III), Pb(II), and Mn(II) Ions in wastewater using diethylenetriamine-functionalized carbon nanotubes dispersed in graphene oxide colloids. Talanta, 2016, 146, 358-363.	5.5	76
26566	Nonlocal frequency analysis of embedded single-walled carbon nanotube using the Differential Quadrature Method. Composites Part B: Engineering, 2016, 84, 41-51.	12.0	29
26567	Synthesis and utilization of carbon nanotubes for fabrication of electrochemical biosensors. Materials Research Bulletin, 2016, 73, 308-350.	5.2	148
26568	The fabrication of a new electrochemical sensor based on electropolymerization of nanocomposite gold nanoparticle-molecularly imprinted polymer for determination of valganciclovir. Materials Science and Engineering C, 2016, 59, 594-603.	7.3	38
26569	Electrocatalytic oxidation of L-tyrosine at carboxylic acid functionalized multi-walled carbon nanotubes modified carbon paste electrode. Ionics, 2016, 22, 405-414.	2.4	35
26570	Al Alloy Nanocomposite Reinforced with Physically Functionalized Carbon Nanotubes Synthesized via Spark Plasma Sintering. Materials and Manufacturing Processes, 2016, 31, 733-738.	4.7	26

#	ARTICLE	IF	CITATIONS
26571	Optimizing powder metallurgy methods: Effects of carbon nanotube dispersal mechanisms on mechanical properties of aluminium/carbon nanotube composites. Journal of Composite Materials, 2016, 50, 2375-2388.	2.4	6
26572	Vibration and instability analysis of nanotubes conveying fluid subjected to a longitudinal magnetic field. Applied Mathematical Modelling, 2016, 40, 2560-2576.	4.2	55
26573	Utilising inorganic nanocarriers for gene delivery. Biomaterials Science, 2016, 4, 70-86.	5.4	297
26574	Molecular dynamics analysis on tensile properties of carbon nanotubes with different cracks. Molecular Simulation, 2016, 42, 764-770.	2.0	4
26575	How does ss-DNA recognize the chirality of carbon nanotubes?. Journal of Computational Science, 2016, 15, 60-64.	2.9	3
26576	SnO ₂ -decorated multiwalled carbon nanotubes and Vulcan carbon through a sonochemical approach for supercapacitor applications. Ultrasonics Sonochemistry, 2016, 29, 205-212.	8.2	39
26577	Longitudinal magnetic field effect on wave propagation of fluid-conveyed SWCNT using Knudsen number and surface considerations. Applied Mathematical Modelling, 2016, 40, 2025-2038.	4.2	39
26578	Synthesis and characterization of phenylethynyl-terminated polyimide/carboxylated multiwalled carbon nanotube composite film. High Performance Polymers, 2016, 28, 682-688.	1.8	2
26579	Sensing properties of BN nanotube toward carcinogenic 4-chloroaniline: A computational study. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 76, 6-11.	2.7	131
26580	Use of Carbon Nanotubes in Structural Composites. , 2016, , 755-762.		2
26581	Exploration of Epoxy Resins, Hardening Systems, and Epoxy/Carbon Nanotube Composite Designed for High Performance Materials: A Review. Polymer-Plastics Technology and Engineering, 2016, 55, 312-333.	1.9	98
26582	A unit-cell-based three-dimensional molecular mechanics analysis for buckling load, effective elasticity and Poisson's ratio determination of the nanosheets. Molecular Simulation, 2016, 42, 353-369.	2.0	12
26583	Microwave-assisted synthesis of multi-walled carbon nanotubes for enhanced removal of Zn(II) from wastewater. Research on Chemical Intermediates, 2016, 42, 3257-3281.	2.7	32
26584	Formation of Carbon Nanotubes from Carbon-Rich Fly Ash: Growth Parameters and Mechanism. Materials and Manufacturing Processes, 2016, 31, 146-156.	4.7	38
26585	Drug targeting to arthritic region via folic acid appended surface-engineered multi-walled carbon nanotubes. Journal of Drug Targeting, 2016, 24, 318-327.	4.4	25
26586	Structural Investigation of Catalytically Grown Carbon Nanotubes. Materials and Manufacturing Processes, 2016, 31, 989-994.	4.7	10
26587	Exploitation of Carbon Nanotubes in High Performance Polyvinylidene Fluoride Matrix Composite: A Review. Polymer-Plastics Technology and Engineering, 2016, 55, 199-222.	1.9	10
26588	Synthesis and modification of carbon nanomaterials via AC arc and dielectric barrier discharge plasma. Chemical Engineering Journal, 2016, 283, 9-20.	12.7	37

#	ARTICLE	IF	CITATIONS
26589	Study on the removal of heavy metal ions from industry waste by carbon nanotubes: Effect of the surface modification: a review. Critical Reviews in Environmental Science and Technology, 2016, 46, 93-118.	12.8	262
26590	Synergistic effect of carbon nanotubes in combination with magnesium hydroxide on the flame retardant poly(ethylene-co-vinyl acetate). Science and Engineering of Composite Materials, 2016, 23, 29-35.	1.4	5
26591	Influence of injection molding parameters on electrical resistivity of carbon nanotube reinforced polycarbonate. Science and Engineering of Composite Materials, 2016, 23, 135-144.	1.4	3
26592	Experimental and computational studies on the role of surface functional groups in the mechanical behavior of interfaces between single-walled carbon nanotubes and metals. Journal of Materials Science, 2016, 51, 1217-1233.	3.7	6
26593	The effect of an excessive amount of carbon nanotubes on the properties of zinc oxide-carbon nanotube nanocomposites. Science and Engineering of Composite Materials, 2016, 23, 389-394.	1.4	8
26594	Structure and properties of buckypapers based on poly(methyl methacrylate-co-methacrylic) Tj ETQq1 1 0.784314 rgBT /Overlaid	2.4	3
26595	Simultaneous application of cloud point and solid-phase extraction for determination of Fe(III) and Cu(II) ions by using SnO ₂ nanopowder in micellar medium. Desalination and Water Treatment, 2016, 57, 12653-12662.	1.0	17
26596	Multiscale dynamic fracture behavior of the carbon nanotube reinforced concrete under impact loading. International Journal of Impact Engineering, 2016, 87, 55-64.	5.0	40
26597	Multifunctional hybrid-carbon nanotubes: new horizon in drug delivery and targeting. Journal of Drug Targeting, 2016, 24, 294-308.	4.4	41
26598	Nanocomposite of carbon nanotubes/silica nanoparticles and their use for adsorption of Pb(II): from surface properties to sorption mechanism. Desalination and Water Treatment, 2016, 57, 10730-10744.	1.0	491
26599	A Novel Technique for Production of Metal Matrix Composites Reinforced With Carbon Nanotubes. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2016, 138, .	2.2	22
26600	Vibration analysis of initially curved single walled carbon nanotube with vacancy defect for ultrahigh frequency nanoresonators. Microsystem Technologies, 2016, 22, 1115-1120.	2.0	13
26601	AlSi2P nanotubes: a theoretical study. Structural Chemistry, 2016, 27, 525-533.	2.0	1
26602	Dispersion-corrected DFT study on the carbon monoxide sensing by B2C nanotubes: effects of dopant and interferences. Structural Chemistry, 2016, 27, 535-542.	2.0	4
26603	Investigation on vibration of single-walled carbon nanotubes by variational iteration method. Applied Nanoscience (Switzerland), 2016, 6, 243-249.	3.1	22
26604	Hydrogen bond containing multiwalled carbon nanotubes in polyurethane composites. Polymer Composites, 2016, 37, 1425-1434.	4.6	7
26605	Molecular dynamics simulation for mechanical properties of magnesium matrix composites reinforced with nickel-coated single-walled carbon nanotubes. Journal of Composite Materials, 2016, 50, 191-200.	2.4	16
26606	Growth and physico-chemical properties of interconnected carbon nanotubes in FeSBA-15 mesoporous molecular sieves. Arabian Journal of Chemistry, 2016, 9, 171-178.	4.9	6

#	ARTICLE	IF	CITATIONS
26607	Carbon nanomaterial-based electrochemical biosensors for label-free sensing of environmental pollutants. <i>Chemosphere</i> , 2016, 143, 85-98.	8.2	170
26608	Differential quadrature based nonlocal flapwise bending vibration analysis of rotating nanobeam using the eringen nonlocal elasticity theory under axial load. <i>Polymer Composites</i> , 2016, 37, 3175-3180.	4.6	16
26609	Characterization of multi-walled carbon nanotubes and application for Ni ²⁺ adsorption from aqueous solutions. <i>Desalination and Water Treatment</i> , 2016, 57, 11623-11630.	1.0	5
26610	Active damping of geometrically nonlinear vibrations of sandwich plates with fuzzy fiber reinforced composite facings. <i>International Journal of Dynamics and Control</i> , 2017, 5, 314-336.	2.5	6
26611	Development and evaluation of targeting ligand-anchored CNTs as prospective targeted drug delivery system. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 242-250.	2.8	25
26612	Investigation of the vibration and buckling of graphynes: A molecular dynamics-based finite element model. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017, 231, 1162-1178.	2.1	14
26613	Vibration damping characteristics of carbon nanotubes-based thin hybrid composite spherical shell structures. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 95-113.	2.6	17
26614	Vibration and damping analysis of functionally graded carbon nanotubes reinforced hybrid composite shell structures. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 1711-1738.	2.6	38
26615	Heat transfer effects on carbon nanotubes suspended nanofluid flow in a channel with non-parallel walls under the effect of velocity slip boundary condition: a numerical study. <i>Neural Computing and Applications</i> , 2017, 28, 37-46.	5.6	88
26616	Selective localization of carbon nanotubes in PC/PET blends. <i>Polymer Composites</i> , 2017, 38, 1103-1111.	4.6	18
26617	A two-dimensional simulation to predict the electrical behavior of carbon nanotube/polymer composites. <i>Journal of Polymer Engineering</i> , 2017, 37, 205-210.	1.4	25
26618	Wave dispersion of carbon nanotubes conveying fluid supported on linear viscoelastic two-parameter foundation including thermal and small-scale effects. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 109-116.	2.7	17
26619	The role of a biobased epoxy monomer in the preparation of diglycidyl ether of bisphenol A/MWCNT composites. <i>Polymer Composites</i> , 2017, 38, 1640-1645.	4.6	5
26620	Semi-analytical solution for free transverse vibrations of Euler-Bernoulli nanobeams with manifold concentrated masses. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 725-736.	2.6	3
26621	Active vibration control of carbon nanotube reinforced composite beams. <i>Transactions of the Institute of Measurement and Control</i> , 2017, 39, 1851-1863.	1.7	10
26622	Carbon nanotubes for ultrafast fibre lasers. <i>Nanophotonics</i> , 2017, 6, 1-30.	6.0	107
26623	Effects of functionalization on the mechanical properties of multiwalled carbon nanotubes: A molecular dynamics approach. <i>Journal of Composite Materials</i> , 2017, 51, 671-680.	2.4	113
26624	In situ sonochemical reduction and direct functionalization of graphene oxide: A robust approach with thermal and biomedical applications. <i>Ultrasonics Sonochemistry</i> , 2017, 34, 67-77.	8.2	47

#	ARTICLE	IF	CITATIONS
26625	Unmodified multi-wall carbon nanotubes in polylactic acid for electrically conductive injection-moulded composites. <i>Journal of Thermoplastic Composite Materials</i> , 2017, 30, 1615-1638.	4.2	8
26626	Electrical and rheological percolation behavior of multiwalled carbon nanotube-reinforced poly(phenylene sulfide) composites. <i>Journal of Composite Materials</i> , 2017, 51, 199-208.	2.4	12
26627	Study of surface defects and crystallinity of MWCNTs growth in FCCVD. <i>Science and Engineering of Composite Materials</i> , 2017, 24, 845-851.	1.4	2
26628	Lubricant Additives Based on Carbon Nanotubes Produced from Carbon-Rich Fly Ash. <i>Tribology Transactions</i> , 2017, 60, 166-175.	2.0	20
26629	MWCNT-reinforced polyarylene ether nitrile nanocomposites. <i>High Performance Polymers</i> , 2017, 29, 441-449.	1.8	5
26630	Insulin biosensor development: a case study. <i>International Journal of Parallel, Emergent and Distributed Systems</i> , 2017, 32, 119-138.	1.0	10
26631	Apo ferritin-templated biosynthesis of manganese nanoparticles and investigation of direct electron transfer of MnNPs-HsAFr at modified glassy carbon electrode. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 110-116.	3.1	7
26632	Electrochemical Immunosensors for Food Analysis: A Review of Recent Developments. <i>Analytical Letters</i> , 2017, 50, 1-32.	1.8	76
26633	Mathematical Modelling of Carbon Nanotube with Fluid Flow using Keller Box Method: A Vibrational Study. <i>International Journal of Applied and Computational Mathematics</i> , 2017, 3, 1689-1701.	1.6	9
26634	Effect of multi-walled nanotubes on the interlaminar shear strength of glass fiber/acrylate composite fabricated by stepwise ultra-violet light curing. <i>Polymer Composites</i> , 2017, 38, 2113-2118.	4.6	3
26635	Thermal behavior and mechanical properties of nanocomposites of polycarbonate reinforced with multiwalled carbon nanotubes. <i>Polymer Composites</i> , 2017, 38, E303.	4.6	5
26636	Properties of polypropylene/multiwall carbon nanotube composite films prepared by micro layer extrusion. <i>Journal of Plastic Film and Sheeting</i> , 2017, 33, 191-206.	2.2	4
26637	Resonance in functionally graded nanocomposite cylinders reinforced by wavy carbon nanotube. <i>Polymer Composites</i> , 2017, 38, E542.	4.6	33
26638	Transmission electron microscopy characterization of different nanotubes. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 197-201.	1.6	12
26639	Cyclic steady states of nonlinear electro-mechanical devices excited at resonance. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 110, 1227-1246.	2.8	3
26640	Scaling up single-wall carbon nanotube laser annealing: effect on electrical resistance and hydrogen adsorption. <i>RSC Advances</i> , 2017, 7, 5084-5092.	3.6	7
26641	Graphoepitaxial assembly of carbon nanotubes on polysynthetic twins assisted by synergistic secondary interactions. <i>Materials Today Communications</i> , 2017, 10, 95-104.	1.9	1
26642	Recent progress of organic and hybrid thermoelectric materials. <i>Synthetic Metals</i> , 2017, 225, 3-21.	3.9	148

#	ARTICLE	IF	CITATIONS
26643	Electronic, Optical, and Mechanical Properties of Diamond Nanowires Encapsulated in Carbon Nanotubes: A First-Principles View. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3661-3672.	3.1	3
26644	Formation mechanism of nano titanium carbide on multi-walled carbon nanotube and influence of the nanocarbides on the load-bearing contribution of the nanotubes inner-walls in aluminum-matrix composites. <i>Carbon</i> , 2017, 115, 720-729.	10.3	78
26645	Size-dependent isogeometric analysis of functionally graded carbon nanotube-reinforced composite nanoplates. <i>Composite Structures</i> , 2017, 166, 120-135.	5.8	132
26646	A computational study on the application of AlN nanotubes in Li-ion batteries. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1041-1046.	2.1	21
26647	Tailoring the optoelectronic properties of graphyne and graphdiyne: nitrogen/sulfur dual doping versus oxygen containing functional groups. <i>Journal of Materials Science</i> , 2017, 52, 5366-5379.	3.7	55
26648	Molecular dynamics exploration of the binding mechanism and properties of single-walled carbon nanotube to WT and mutant VP35 FBP region of Ebola virus. <i>Journal of Biological Physics</i> , 2017, 43, 149-165.	1.5	9
26649	Electrical conductivity and thermal properties of spark plasma sintered Al ₂ O ₃ -SiC-CNT hybrid nanocomposites. <i>Ceramics International</i> , 2017, 43, 5715-5722.	4.8	27
26650	Improvement of rigidity for rubber-toughened polypropylene via localization of carbon nanotubes. <i>Composites Science and Technology</i> , 2017, 141, 106-112.	7.8	25
26651	Anisotropic compressive properties of CNT/SiC composites produced by direct matrix infiltration of vertically aligned CNT forests. <i>Journal of Alloys and Compounds</i> , 2017, 701, 722-726.	5.5	21
26652	Tuning the electronic properties by magnetic fields in zigzag-edge graphyne nanoribbons with symmetric and asymmetric edge hydrogenations. <i>Organic Electronics</i> , 2017, 43, 175-181.	2.6	6
26653	Membrane Insertion and Phospholipids Extraction by Graphyne Nanosheets. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2444-2450.	3.1	31
26654	Interelectrode bridging of carbon nanotube fibrous assembly induced by gas discharge breakdown. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	6
26655	Nano-engineered joining employing surface modified graphite nanomaterials. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 48, 16-23.	5.8	1
26656	The rational designed graphene oxide-Fe ₂ O ₃ composites with low cytotoxicity. <i>Materials Science and Engineering C</i> , 2017, 72, 659-666.	7.3	7
26657	Lower limits of detection in using carbon nanotubes as thermoluminescent dosimeters of beta radiation. <i>Radiation Physics and Chemistry</i> , 2017, 140, 87-91.	2.8	5
26658	Quantification of carbon nanotubes in different environmental matrices by a microwave induced heating method. <i>Science of the Total Environment</i> , 2017, 580, 509-517.	8.0	16
26659	Prediction of the critical buckling load of multi-walled carbon nanotubes under axial compression. <i>Comptes Rendus - Mecanique</i> , 2017, 345, 158-168.	2.1	10
26660	New advances in restricted access materials for sample preparation: A review. <i>Analytica Chimica Acta</i> , 2017, 959, 43-65.	5.4	114

#	ARTICLE	IF	CITATIONS
26661	Dermal/transdermal delivery of small interfering RNA and antisense oligonucleotides- advances and hurdles. <i>Biomedicine and Pharmacotherapy</i> , 2017, 87, 311-320.	5.6	17
26662	Recent advances in nanomaterial-based biosensors for antibiotics detection. <i>Biosensors and Bioelectronics</i> , 2017, 91, 504-514.	10.1	328
26663	Fabrication of polyimide and functionalized multi-walled carbon nanotubes mixed matrix membranes by in-situ polymerization for CO ₂ separation. <i>Separation and Purification Technology</i> , 2017, 177, 327-336.	7.9	80
26664	A cost-effective method for recycling carbon and metals in plants: synthesizing nanomaterials. <i>Environmental Science: Nano</i> , 2017, 4, 461-469.	4.3	17
26665	An empirical force field for the simulation of the vibrational spectroscopy of carbon nanomaterials. <i>Carbon</i> , 2017, 113, 299-308.	10.3	12
26666	Hybrid nano-composites made of ss-DNA/wrapped carbon nanotubes and titania. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 12-17.	5.0	3
26667	Vibration characteristics of three-dimensional metallic carbon nanostructures with interlocking hexagons pattern (T6 and T14): A molecular dynamics study. <i>Computational Materials Science</i> , 2017, 128, 81-86.	3.0	7
26668	Thermal decomposition products of various carbon sources in chemical vapor deposition synthesis of carbon nanotube. <i>Diamond and Related Materials</i> , 2017, 75, 1-5.	3.9	23
26669	Insights into photo-activated electrode for boosting electrocatalytic methanol oxidation based on ultrathin MoS ₂ nanosheets enwrapped CdS nanowires. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 5006-5015.	7.1	42
26670	Improving the electrocatalytic performance of carbon nanotubes for VO ₂ ⁺ /VO ₂ redox reaction by KOH activation. <i>Applied Surface Science</i> , 2017, 401, 106-113.	6.1	46
26671	Nucleation and growth of carbon nanotubes and nanofibers: Mechanism and catalytic geometry control. <i>Carbon</i> , 2017, 114, 411-417.	10.3	33
26672	Formation mechanism of 0.4-nm single-walled carbon nanotubes in AlPO ₄ -5 crystals by low-temperature hydrocracking. <i>Carbon</i> , 2017, 115, 120-127.	10.3	5
26673	Density-functional-theory-based study of interaction of DNA/RNA nucleobases with hydroxyl- and carboxyl-functionalized armchair (6,6)CNT. <i>Computational and Theoretical Chemistry</i> , 2017, 1102, 60-68.	2.5	13
26674	Elastodynamic analysis of regular polygonal CNT-reinforced composite plates via FSDT element-free method. <i>Engineering Analysis With Boundary Elements</i> , 2017, 76, 80-89.	3.7	18
26675	Nickelocene as precursor of microporous organometallic-derived carbon and nickel oxide-carbon nanocomposite. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 410-419.	9.4	4
26676	Modelling of glass-like carbon structure and its experimental verification by neutron and X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2017, 50, 36-48.	4.5	46
26677	Experimental analysis of stabilizing effects of carbon nanotubes (CNTs) on thermal oxidation of poly(ethylene glycol)-CNT composites. <i>Chemical Physics Letters</i> , 2017, 670, 32-36.	2.6	7
26678	Chirality-Controlled Synthesis and Applications of Single-Wall Carbon Nanotubes. <i>ACS Nano</i> , 2017, 11, 31-53.	14.6	170

#	ARTICLE	IF	CITATIONS
26679	Thermal conductivity of liquid/carbon nanotube core-shell nanocomposites. Journal of Applied Physics, 2017, 121, .	2.5	12
26680	Al ₁₂ CN ₁₁ nano-cage sensitive to NH ₃ detection: A first-principles study. Journal of Molecular Structure, 2017, 1135, 166-173.	3.6	5
26681	Direct Determination of Ascorbic Acid in a Grapefruit: Paving the Way for In Vivo Spectroelectrochemistry. Analytical Chemistry, 2017, 89, 1815-1822.	6.5	25
26682	Development of dispersive micro-solid phase extraction based on micro and nano sorbents. TrAC - Trends in Analytical Chemistry, 2017, 89, 99-118.	11.4	242
26683	Coupled Cluster Studies of Ionization Potentials and Electron Affinities of Single-Walled Carbon Nanotubes. Journal of Physical Chemistry A, 2017, 121, 1328-1335.	2.5	9
26685	Experimental Aspect. , 2017, , 23-47.		0
26686	Classical Molecular Dynamics Simulations. , 2017, , 49-139.		1
26687	Strain sensing behaviors of epoxy nanocomposites with carbon nanotubes under cyclic deformation. Polymer, 2017, 112, 1-9.	3.8	94
26688	Functionalization of multi-walled carbon nanotubes by radiation-induced graft polymerization in aqueous solution. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 250-255.	2.1	4
26689	Adsorption of triclosan on single wall carbon nanotubes: A first principle approach. Applied Surface Science, 2017, 403, 519-524.	6.1	21
26690	Thermo-mechanical and anti-corrosive properties of MWCNT/epoxy nanocomposite fabricated by innovative dispersion technique. Composites Part B: Engineering, 2017, 113, 291-299.	12.0	114
26691	From Carbon-Based Nanotubes to Nanocages for Advanced Energy Conversion and Storage. Accounts of Chemical Research, 2017, 50, 435-444.	15.6	196
26692	Reviewâ€™Progress toward Applications of Carbon Nanotube Photoluminescence. ECS Journal of Solid State Science and Technology, 2017, 6, M3075-M3077.	1.8	27
26693	Fundamental Structural, Electronic, and Chemical Properties of Carbon Nanostructures: Graphene, Fullerenes, Carbon Nanotubes, and Their Derivatives. , 2017, , 1175-1258.		2
26694	Modeling of Quasi-One-Dimensional Carbon Nanostructures with Density Functional Theory. , 2017, , 1297-1337.		0
26695	Analytical prediction of Young's modulus of carbon nanotubes using a variational method. Applied Mathematical Modelling, 2017, 45, 1031-1043.	4.2	8
26696	On the temperature dependent electrical resistivity of CNT layers in view of Variable Range Hopping models. Organic Electronics, 2017, 43, 253-261.	2.6	25
26697	Enhanced interfacial strength of carbon nanotube/copper nanocomposites via Ni-coating: Molecular-dynamics insights. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 88, 259-264.	2.7	32

#	ARTICLE	IF	CITATIONS
26698	Asymptotic nonlocal elasticity theory for the buckling analysis of embedded single-layered nanoplates/graphene sheets under biaxial compression. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 89, 160-169.	2.7	14
26699	Electrical conductivity of carbon nanotube/polypropylene composites prepared through microlayer extrusion technology. <i>Journal of Polymer Engineering</i> , 2017, 37, 795-804.	1.4	4
26700	Carbon Nanoparticleâ€Reinforced Metal Matrix Composites: Microstructural Tailoring and Predictive Modeling. <i>Advanced Engineering Materials</i> , 2017, 19, 1600750.	3.5	12
26701	Moderne Anorganische Aerogele. <i>Angewandte Chemie</i> , 2017, 129, 13380-13403.	2.0	11
26702	Modern Inorganic Aerogels. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13200-13221.	13.8	303
26703	Advances in Production and Applications of Carbon Nanotubes. <i>Topics in Current Chemistry</i> , 2017, 375, 18.	5.8	64
26704	Nonlinear vibration of single-walled carbon nanotubes with nonlinear damping and random material properties under magnetic field. <i>Composites Part B: Engineering</i> , 2017, 114, 69-79.	12.0	21
26705	Benefits of tubular morphologies on electron transfer properties in CNT/TiNT nanohybrid photocatalyst for enhanced H ₂ production. <i>RSC Advances</i> , 2017, 7, 7203-7209.	3.6	21
26706	Multi-walled carbon nanotubes grow under low pressure hydrogen, air, and argon ambient by arc discharge plasma. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 269-272.	2.1	11
26707	A thin layer of Carbon Nano Tube (CNT) as semi-transparent charge collector that improve the performance of the GaAs Solar Cell. <i>Optik</i> , 2017, 135, 256-270.	2.9	12
26708	Improving the mechanical properties of carbon nanotubes reinforced pure aluminum matrix composites by achieving non-equilibrium interface. <i>Materials and Design</i> , 2017, 120, 56-65.	7.0	142
26709	Application of Carbon Nanotubes and Temperature Sensitive Paint for the Detection of Boundary Layer Transition under Cryogenic Conditions (Invited)., 2017, , .		11
26710	Preparation and characterization of multiâ€walled carbon nanotubes decorated with silver nanoparticles through ultraviolet irradiation reduction. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3666.	3.5	5
26711	Environmental impact of engineered carbon nanoparticles: from releases to effects on the aquatic biota. <i>Current Opinion in Biotechnology</i> , 2017, 46, 1-6.	6.6	57
26712	The microstructures, growth mechanisms and properties of carbon nanowires and nanotubes fabricated at different CVD temperatures. <i>Diamond and Related Materials</i> , 2017, 72, 77-86.	3.9	16
26713	The effect of non-local higher order stress to predict the nonlinear vibration behavior of carbon nanotube conveying viscous nanoflow. <i>Physica B: Condensed Matter</i> , 2017, 510, 48-59.	2.7	13
26714	The Quarter-Century Anniversary of Carbon Nanotube Research. <i>ACS Nano</i> , 2017, 11, 1-2.	14.6	26
26715	Highly transparent AgNW/PDMS stretchable electrodes for elastomeric electrochromic devices. <i>Nanoscale</i> , 2017, 9, 2633-2639.	5.6	137

#	ARTICLE	IF	CITATIONS
26716	Bifunctional catalyst of graphite-encapsulated iron compound nanoparticle for magnetic carbon nanotubes growth by chemical vapor deposition. AIP Conference Proceedings, 2017, , .	0.4	1
26717	Diffusion of multiwall carbon nanotubes through a high-density polyethylene geomembrane. Geosynthetics International, 2017, 24, 184-197.	2.9	20
26718	Nanoparticles for Radionuclide Imaging and Therapy: Principles. , 2017, , 447-471.		1
26719	Effects of phosphoric acid activation on the nanopore structures of carbon xerogel/carbon nanotubes hybrids and their capacitance storage. Adsorption, 2017, 23, 355-360.	3.0	12
26720	Simple method for synthesis of carbon nanotubes over Ni-Mo/Al ₂ O ₃ catalyst via pyrolysis of polyethylene waste using a two-stage process. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 211-222.	2.1	35
26721	A semi-analytical method for nonlocal buckling and vibration of a single-layered graphene sheet nanomechanical resonator subjected to initial in-plane loads. Acta Mechanica, 2017, 228, 1725-1734.	2.1	10
26722	Vibration analysis of viscoelastic single-walled carbon nanotubes resting on a viscoelastic foundation. Journal of Mechanical Science and Technology, 2017, 31, 87-98.	1.5	14
26723	Synthesis and Supercapacitor Application of Alkynyl Carbon Materials Derived from CaC ₂ and Polyhalogenated Hydrocarbons by Interfacial Mechanochemical Reactions. ACS Applied Materials & Interfaces, 2017, 9, 3895-3901.	8.0	61
26724	A Comparative Numerical Study of Junctionless and p-i-n Tunneling Carbon Nanotube Field Effect Transistor. Journal of Nano Research, 2017, 45, 55-75.	0.8	2
26725	Automatized Estimation of the Effective Thermal Conductivity of Carbon Fiber Reinforced Composite Materials. Defect and Diffusion Forum, 0, 370, 177-183.	0.4	10
26726	Molecular Luminescence of White Carbon. Small, 2017, 13, 1603495.	10.0	15
26727	Cm-size free-standing self-organized buckypaper of bucky-onions filled with ferromagnetic Fe ₃ C. RSC Advances, 2017, 7, 845-850.	3.6	22
26728	Ultrastrong and excellent dynamic mechanical properties of carbon nanotube composites. Composites Science and Technology, 2017, 141, 137-144.	7.8	32
26729	Synergistic effects of two types of ionic liquids on the dispersion of multiwalled carbon nanotubes in ethylene-vinyl acetate elastomer: preparation and characterization of flexible conductive composites. Polymer International, 2017, 66, 1708-1715.	3.1	7
26730	Variation in chemical, colloidal and electrochemical properties of carbon nanotubes with the degree of carboxylation. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	18
26731	Ionic liquid-impregnated agarose film two-phase micro-electrodriven membrane extraction (IL-AF-1/4-EME) for the analysis of antidepressants in water samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1046, 73-80.	2.3	18
26732	Low temperature, atmospheric pressure for synthesis of a new carbon Ene-yne and application in Li storage. Nano Energy, 2017, 33, 343-349.	16.0	92
26733	Unzipping of multi-wall carbon nanotubes with different diameter distributions: Effect on few-layer graphene oxide obtention. Applied Surface Science, 2017, 424, 101-110.	6.1	20

#	ARTICLE	IF	CITATIONS
26734	Facile and time-saving synthesis of octahedral Cu ₂ O crystals by an ethanol-assisted solution method at low temperatures. CrystEngComm, 2017, 19, 1258-1264.	2.6	5
26735	Nanocarbons as Electron Donors and Acceptors in Photoinduced Electron-Transfer Reactions. ECS Journal of Solid State Science and Technology, 2017, 6, M3055-M3061.	1.8	17
26736	The role of nanomaterials as effective adsorbents and their applications in wastewater treatment. Journal of Nanostructure in Chemistry, 2017, 7, 1-14.	9.1	444
26737	Continuum Models. , 2017, , 261-299.		0
26738	Defect/Edge-Selective Functionalization of Carbon Materials by "Direct-Friedel-Crafts Acylation Reaction. Advanced Materials, 2017, 29, 1606317.	21.0	24
26739	Boron monoxide dimer as a building block for boroxine based buckyballs and related cages: a theoretical study. Chemical Communications, 2017, 53, 3239-3241.	4.1	10
26740	Free vibration investigation of nano mass sensor using differential transformation method. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	9
26741	Soft X-ray absorption spectroscopy study of chemical states, orientation, and oxygen content of ion-irradiated vertically aligned multiwalled carbon nanotubes. Journal of Electron Spectroscopy and Related Phenomena, 2017, 220, 91-95.	1.7	2
26742	An immutable array of TiO ₂ nanotubes to pressures over 30 GPa. Nanotechnology, 2017, 28, 145705.	2.6	3
26743	Reinforced Natural Rubber Nanocomposites: Next Generation Advanced Material. Green Energy and Technology, 2017, , 309-345.	0.6	7
26744	Li interactions with the B ₄₀ fullerene and its application in Li-ion batteries: DFT studies. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 89, 148-154.	2.7	33
26745	Processing and characterization of MWCNTs/epoxy nanocomposites thin films for strain sensing applications. Sensors and Actuators A: Physical, 2017, 257, 65-72.	4.1	47
26746	Observation of high <i>T_c</i> one dimensional superconductivity in 4 angstrom carbon nanotube arrays. AIP Advances, 2017, 7, .	1.3	10
26747	Borophene nanosheet molecular device for detection of ethanol " A first-principles study. Computational and Theoretical Chemistry, 2017, 1105, 52-60.	2.5	62
26748	Improving mechanical properties of C-S-H from inserted carbon nanotubes. Journal of Physics and Chemistry of Solids, 2017, 105, 72-80.	4.0	28
26749	Computational modeling of functionalized multi-walled carbon nanotubes dispersed in polyethylenimine for electrochemical sensing of acetaminophen. Sensors and Actuators B: Chemical, 2017, 246, 969-978.	7.8	18
26750	Mechanical and viscoelastic properties of epoxy nanocomposites reinforced with carbon nanotubes, nanoclay, and binary nanoparticles. Journal of Reinforced Plastics and Composites, 2017, 36, 667-684.	3.1	27
26751	The necessity of structural irregularities for the chemical applications of graphene. Materials Today Chemistry, 2017, 4, 1-16.	3.5	95

#	ARTICLE	IF	CITATIONS
26752	Simultaneous Enhancements in Toughness and Electrical Conductivity of Polypropylene/Carbon Nanotube Nanocomposites by Incorporation of Electrically Inert Calcium Carbonate Nanoparticles. Industrial & Engineering Chemistry Research, 2017, 56, 2783-2788.	3.7	30
26753	Dispersion interactions in silicon allotropes. Physical Chemistry Chemical Physics, 2017, 19, 7699-7707.	2.8	7
26754	Ceramic nanocomposites reinforced with a high volume fraction of carbon nanotubes. Journal Wuhan University of Technology, Materials Science Edition, 2017, 32, 47-50.	1.0	3
26755	A processing method with high efficiency for low density polyethylene nanofibers reinforced by aligned carbon nanotubes via nanolayer coextrusion. Polymer, 2017, 111, 222-228.	3.8	33
26756	Variations on the Honeycomb Topology: From Triangular- and Square-Grooved Networks to Tubular Assemblies in Uranyl Tricarballylate Complexes. Crystal Growth and Design, 2017, 17, 963-966.	3.0	32
26757	Oxidative treatment, dispersion effect, and simulation of multi-walled carbon nanotubes in aqueous solution. Russian Journal of Physical Chemistry A, 2017, 91, 145-149.	0.6	1
26758	Polyaniline/multi-walled carbon nanotube composites for structural vibration damping and strain sensing. Journal of Materials Research, 2017, 32, 73-83.	2.6	6
26759	Supramolecular Complexation of Carbon Nanostructures by Crown Ethers. Journal of Organic Chemistry, 2017, 82, 3347-3358.	3.2	18
26760	Band gap scaling laws in group IV nanotubes. Nanotechnology, 2017, 28, 115202.	2.6	8
26761	Identification and visualization of the intellectual structure and the main research lines in nanoscience and nanotechnology at the worldwide level. Journal of Nanoparticle Research, 2017, 19, 62.	1.9	32
26762	An Introduction to Nanoscience and Nanotechnology. Soil Biology, 2017, , 3-20.	0.8	14
26763	Enhanced marine antifouling performance of silver-titania nanotube composites from hydrothermal processing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 701-711.	4.7	30
26764	Ethanol steam reforming for hydrogen production: Latest and effective catalyst modification strategies to minimize carbonaceous deactivation. Renewable and Sustainable Energy Reviews, 2017, 74, 89-103.	16.4	218
26765	The influence of Sc doping on structural, electronic and optical properties of Be12O12, Mg12O12 and Ca12O12 nanocages: a DFT study. Journal of Molecular Modeling, 2017, 23, 82.	1.8	21
26766	Increase in graphitization and electrical conductivity of glassy carbon nanowires by rapid thermal annealing. Journal of Alloys and Compounds, 2017, 702, 465-471.	5.5	28
26767	Periodicity of band gaps of chiral $\hat{1}\pm$ -graphyne nanotubes. Physical Chemistry Chemical Physics, 2017, 19, 7919-7922.	2.8	11
26768	Covalently Connected Carbon Nanotubes as Electrocatalysts for Hydrogen Evolution Reaction through Band Engineering. ACS Catalysis, 2017, 7, 2676-2684.	11.2	41
26769	Pole-zero analysis and wavelength scaling of carbon nanotube antennas. International Journal of RF and Microwave Computer-Aided Engineering, 2017, 27, e21103.	1.2	5

#	ARTICLE	IF	CITATIONS
26770	Influence of agglomeration parameters on carbon nanotube composites. <i>Acta Mechanica</i> , 2017, 228, 2207-2217.	2.1	32
26771	Numerical study for slip flow of carbon–water nanofluids. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 319, 366-378.	6.6	33
26772	Sphere-To-Tube Transition toward Nanotube Formation: A Universal Route by Inverse Plateau–Rayleigh Instability. <i>ACS Nano</i> , 2017, 11, 2928-2933.	14.6	11
26773	Raman spectroscopy using plasmonic and carbon-based nanoparticles for cancer detection, diagnosis, and treatment guidance. Part 1: Diagnosis. <i>Drug Metabolism Reviews</i> , 2017, 49, 212-252.	3.6	17
26774	Self-healing Polymer Composites Based on Graphene and Carbon Nanotubes. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 119-152.	0.7	4
26775	Interfacial strengthening between graphene and polymer through Stone-Thrower-Wales defects: Ab initio and molecular dynamics simulations. <i>Carbon</i> , 2017, 118, 66-77.	10.3	68
26776	Catalytic effects of calcium and potassium on a curved char surface in fuel reburning: A first-principles study on the adsorption of nitric oxide on single-wall carbon nanotubes with metal decoration. <i>Energy</i> , 2017, 125, 459-469.	8.8	13
26777	Materials Design and Applications. <i>Advanced Structured Materials</i> , 2017, , .	0.5	4
26778	Transport and field emission properties of buckypapers obtained from aligned carbon nanotubes. <i>Journal of Materials Science</i> , 2017, 52, 6459-6468.	3.7	34
26779	A simple in situ synthesis of magnetic M@CNTs by thermolysis of the hybrid perovskite [TPrA] ₃ [M(dca) ₃]. <i>New Journal of Chemistry</i> , 2017, 41, 3124-3133.	2.8	10
26780	Commensurability effect on the electronic structure of carbon nanostructures: Impact on supercell calculations in nanotubes. <i>Europhysics Letters</i> , 2017, 117, 27005.	2.0	2
26781	Influence of poly(methyl methacrylate) grafted multiwalled carbon nanotubes on the mechanical and thermal properties of natural rubber nanocomposites. <i>Journal of Composite Materials</i> , 2017, 51, 3539-3546.	2.4	3
26783	Enhanced electromagnetic interference shielding effectiveness of chemical vapor deposited MWCNTs in X-band region. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 7212-7220.	2.2	14
26784	Friction and wear behavior of alumina-based graphene and CNFs composites. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3805-3812.	5.7	31
26785	Fabrication and Hardness Analysis of F-MWCNTs Reinforced Aluminium Nanocomposite. <i>Procedia Engineering</i> , 2017, 173, 1611-1618.	1.2	14
26786	Review–Electrochemical Growth of Carbon Nanotubes and Graphene from Ambient Carbon Dioxide: Synergy with Conventional Gas-Phase Growth Mechanisms. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, M3084-M3089.	1.8	11
26787	Simultaneous Determination of Pesticides at Trace Levels in Water Using Functionalized Multiwalled Carbon Nanotubes as Solid-Phase Extractant and Partial Least-Squares (PLS) Method. <i>Soil Biology</i> , 2017, , 499-509.	0.8	1
26788	Thermal performance criterion for nanofluids in laminar flow regime. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 975-983.	1.5	10

#	ARTICLE	IF	CITATIONS
26789	Formation of different arc-anode attachment modes and their effect on temperature fluctuation for carbon nanomaterial production in DC arc discharge. Carbon, 2017, 117, 100-111.	10.3	26
26790	X chromosome inactivation: silencing, topology and reactivation. Current Opinion in Cell Biology, 2017, 46, 54-61.	5.4	47
26791	Room temperature hydrogen gas sensors of functionalized carbon nanotubes based hybrid nanostructure: Role of Pt sputtered nanoparticles. International Journal of Hydrogen Energy, 2017, 42, 8392-8398.	7.1	34
26792	Free-standing films from chirality-controlled carbon nanotubes. Materials and Design, 2017, 121, 119-125.	7.0	32
26793	Selective solid phase extraction and determination of trace Pd(II) using multi-walled carbon nanotubes modified with 8-aminoquinoline. Journal of Molecular Liquids, 2017, 232, 139-146.	4.9	23
26794	Modification of Cement Matrix Using Carbon Nanotube Dispersions and Nanosilica. Procedia Engineering, 2017, 172, 1261-1269.	1.2	21
26795	Superconductivity in a chiral nanotube. Nature Communications, 2017, 8, 14465.	12.8	143
26796	Ab initio study of aspirin adsorption on single-walled carbon and carbon nitride nanotubes. Physical Chemistry Chemical Physics, 2017, 19, 8076-8081.	2.8	21
26797	Photocatalytic nanomaterials for solar-driven bacterial inactivation: recent progress and challenges. Environmental Science: Nano, 2017, 4, 782-799.	4.3	239
26798	Nanospherical solid electrolyte interface layer formation in binder-free carbon nanotube aerogel/Si nanohybrids to provide lithium-ion battery anodes with a long-cycle life and high capacity. Nanoscale, 2017, 9, 4713-4720.	5.6	26
26799	Absorption behavior of poly(methyl methacrylate) multiwalled carbon nanotube composites: effects of UV irradiation. Physical Chemistry Chemical Physics, 2017, 19, 7359-7369.	2.8	9
26800	Simulation and Experiment on In-plane Carbon Nanotube Thermoelectric Generator in Parallel. MATEC Web of Conferences, 2017, 95, 02003.	0.2	0
26801	Influence of different nanoparticles on electrochemical behavior of glucose biosensor. AIP Conference Proceedings, 2017, , .	0.4	2
26802	A continuum model to study interphase effects on elastic properties of CNT/GS-nanocomposite. Materials Research Express, 2017, 4, 025036.	1.6	24
26803	Chiral SWCNT for Ammonia Sensor Application. International Journal of Nanoscience, 2017, 16, 1750003.	0.7	2
26804	Morphological and Thermal Characterization of Nafion/CNT/PVA Nanocomposite Membranes. Key Engineering Materials, 0, 729, 68-74.	0.4	2
26805	Edge-Reconstructed, Few-Layered Graphene Nanoribbons: Stability and Electronic Properties. Journal of Physical Chemistry C, 2017, 121, 5836-5840.	3.1	4
26806	Fabrication of suspended nanowires using suspended carbon nanotubes as template for gas sensing. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
26807	Chemical Vapor Deposition Growth of Linked Carbon Monolayers with Acetylenic Scaffoldings on Silver Foil. <i>Advanced Materials</i> , 2017, 29, 1604665.	21.0	114
26808	Carbon nanotube thin film strain sensor models assembled using nano- and micro-scale imaging. <i>Computational Mechanics</i> , 2017, 60, 39-49.	4.0	11
26809	Effect of molten carbonate composition on the generation of carbon material. <i>RSC Advances</i> , 2017, 7, 8467-8473.	3.6	35
26810	Molecular dynamics simulation of cytotoxicity of graphene nanosheets to blood-coagulation protein. <i>Biointerphases</i> , 2017, 12, 01A403.	1.6	9
26811	Hybrid carbon nanotube-polymer scaffolds for cardiac tissue regeneration. , 2017, , .		2
26812	Electronic Structure and Charge Transfer in the TiO_2 Rutile (110)/Graphene Composite Using Hybrid DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2017, 121, 4158-4171.	3.1	29
26813	Application of nanocomposite-based sorbents in microextraction techniques: a review. <i>Analyst</i> , The, 2017, 142, 721-739.	3.5	34
26814	Mean absorption coefficients of $\text{He}/\text{Ar}/\text{N}_2/(\text{C}_{100})$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Applied Physics, 2017, 50, 035203.	2.8	5
26815	Silver nanoparticle-decorated multiwalled carbon nanotube/pramipexole nanocomposite: Synthesis, characterization and application as an antibacterial agent. <i>Applied Organometallic Chemistry</i> , 2017, 31, e3737.	3.5	37
26816	Removal of Heavy Metals from Industrial Wastewaters: A Review. <i>ChemBioEng Reviews</i> , 2017, 4, 37-59.	4.4	739
26817	Mechanical and electrical behavior of rubber nanocomposites under static and cyclic strain. <i>Composites Science and Technology</i> , 2017, 142, 1-9.	7.8	45
26818	Relationship between local buckling and atomic elastic stiffness in multi-walled carbon nanotubes under compression and bending deformations. <i>Computational Materials Science</i> , 2017, 130, 214-221.	3.0	11
26819	A review on recent advances of CNTs as gas sensors. <i>Sensor Review</i> , 2017, 37, 127-136.	1.8	87
26821	Carbokatalyse in Flüssigphasenreaktionen. <i>Angewandte Chemie</i> , 2017, 129, 956-985.	2.0	37
26822	Adsorption of sulfur dioxide and mixtures with nitrogen at carbon nanotubes and graphene: molecular dynamics simulation and gravimetric adsorption experiments. <i>Adsorption</i> , 2017, 23, 293-301.	3.0	10
26823	Advanced nanomaterials in oil and gas industry: Design, application and challenges. <i>Applied Energy</i> , 2017, 191, 287-310.	10.1	206
26824	Free vibration analysis of embedded single-layered nanoplates and graphene sheets by using the multiple time scale method. <i>Computers and Mathematics With Applications</i> , 2017, 73, 838-854.	2.7	17
26825	The electronic properties of chiral carbon nanotubes. <i>Computational Materials Science</i> , 2017, 129, 290-294.	3.0	21

#	ARTICLE	IF	CITATIONS
26826	Electromagnetic wave absorbing properties of aligned amorphous carbon nanotube/BaFe12O19 nanorod composite. Journal of Alloys and Compounds, 2017, 703, 424-430.	5.5	40
26827	Carbon-family materials for flame retardant polymeric materials. Progress in Polymer Science, 2017, 69, 22-46.	24.7	406
26828	Surface Plasmon Polaritons Propagation Along Armchair and Zigzag Single-Wall Carbon Nanotubes With Different Radii. IEEE Nanotechnology Magazine, 2017, 16, 307-314.	2.0	4
26829	Nanotubes Formed by Exfoliation of HTaWO ₆ . Chemistry Letters, 2017, 46, 597-598.	1.3	2
26830	Van Der Waals heterogeneous layer-by-layer carbon nanostructures involving π - π interactions between π -conjugated polymer chains and carbon nanotubes. Journal of Computational Chemistry, 2017, 38, 730-739.	3.3	14
26831	Effective thermal and mechanical properties of short carbon fiber/natural rubber composites as a function of mechanical loading. Applied Thermal Engineering, 2017, 117, 8-16.	6.0	33
26832	Fabrication of antibacterial electrospun nanofibers with vancomycin-carbon nanotube via ultrasonication assistance. Materials and Design, 2017, 120, 128-134.	7.0	30
26833	Tuning surface morphology and crystallinity of anodic TiO ₂ nanotubes and their response to biomimetic bone growth for implant applications. Surface and Coatings Technology, 2017, 315, 163-171.	4.8	30
26834	Non-photochemical production of singlet oxygen via activation of persulfate by carbon nanotubes. Water Research, 2017, 113, 80-88.	11.3	776
26835	Pure β -phase formation in polyvinylidene fluoride (PVDF)-carbon nanotube composites. Journal Physics D: Applied Physics, 2017, 50, 163002.	2.8	145
26836	Sulfur impregnation of multi-walled carbon nanotubes via SF ₆ /NH ₃ plasma exposure. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600420.	2.4	0
26837	Synthesis of white-light-emitting graphene quantum dots via a one-step reduction and their interfacial characteristics-dependent luminescence properties. Inorganic Chemistry Frontiers, 2017, 4, 712-718.	6.0	41
26838	Influences of matrix viscosity on alignment of multi-walled carbon nanotubes in one-dimensional confined space. European Polymer Journal, 2017, 89, 431-439.	5.4	19
26839	Chaotic region of elastically restrained single-walled carbon nanotube. Chaos, 2017, 27, 023118.	2.5	20
26840	A high performance CNFET-based operational transconductance amplifier and its applications. Analog Integrated Circuits and Signal Processing, 2017, 91, 463-472.	1.4	13
26841	Enhanced stress wave attenuation of single-walled carbon nanotube lattice via mass mismatch-induced resonance. Carbon, 2017, 116, 391-397.	10.3	8
26842	Hairy graphite of high electrochemical performances prepared through in-situ decoration of carbon nanotubes. Electrochimica Acta, 2017, 233, 229-236.	5.2	4
26843	Damage Tolerance of Carbon Fiber Woven Composite Doped with MWCNTs under Low-velocity Impact. Procedia Engineering, 2017, 173, 440-446.	1.2	15

#	ARTICLE	IF	CITATIONS
26863	Multiscale modeling of regularly staggered carbon fibers embedded in nano-reinforced composites. European Journal of Mechanics, A/Solids, 2017, 64, 69-84.	3.7	54
26864	Evaluation of solvent and ion effects upon leflunomide adsorption characteristics on (6,0) zigzag single-walled carbon nanotube and immobilized dihydroorotate dehydrogenase activity: A computational DFT and experimental study. Journal of Molecular Liquids, 2017, 231, 528-541.	4.9	11
26865	Current Research Status and Application of Polymer/Carbon Nanofiller Buckypaper: A Review. Polymer-Plastics Technology and Engineering, 2017, 56, 1780-1800.	1.9	24
26867	Nickel induced re-structuring of 2D graphene to 1D graphene nanotubes: Role of radical hydrogen in catalyst assisted growth. Applied Surface Science, 2017, 424, 87-92.	6.1	2
26868	Interfacial synthesis of electrofunctional coordination nanowires and nanosheets of bis(terpyridine) complexes. Coordination Chemistry Reviews, 2017, 346, 139-149.	18.8	63
26869	Adsorption/desorption study of proteins onto multi-walled carbon nanotubes and amino multi-walled carbon nanotubes surfaces as adsorbents. Journal of Molecular Liquids, 2017, 231, 566-571.	4.9	26
26870	Nanoscience and Plantâ€“Soil Systems. Soil Biology, 2017, , .	0.8	17
26871	Iron catalyzed growth of crystalline multi-walled carbon nanotubes from ambient carbon dioxide mediated by molten carbonates. Carbon, 2017, 116, 572-578.	10.3	40
26872	Dispersion of Single-Walled Carbon Nanotubes with Oligo(p-phenylene ethynylene)s: A DFT Study. Journal of Physical Chemistry C, 2017, 121, 4692-4702.	3.1	9
26873	Understanding the sorption behavior of trivalent lanthanides on amide functionalized multi walled carbon nanotubes. Hydrometallurgy, 2017, 171, 8-15.	4.3	41
26874	Strengthening mechanism in graphene nanoplatelets reinforced aluminum composite fabricated through spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 695, 20-28.	5.6	209
26875	Channeling of low energy atomic particles in carbon nanotubes with heterojunctions. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 263-266.	1.4	8
26876	Atomistic simulations on interwall sliding behaviour of double-walled carbon nanotube: effects of structural defects. Molecular Simulation, 2017, 43, 953-961.	2.0	8
26877	Carbon Nanotubes Chemically Modified by Metal Phthalocyanines with Excellent Electrocatalytic Activity to Li/SOCl ₂ Battery. Journal of the Electrochemical Society, 2017, 164, A1140-A1147.	2.9	20
26878	Methods for the chemical synthesis of carbon nanotubes: an approach based on hemispherical polyarene templates. Pure and Applied Chemistry, 2017, 89, 809-820.	1.9	18
26879	A Molecular Propeller with Three Nanohoop Blades: Synthesis, Characterization, and Solidâ€“State Packing. Angewandte Chemie, 2017, 129, 5321-5325.	2.0	20
26880	Enhanced magnetization in unusual carbon-nanotube/carbon-foam cm-scale hybrid-buckypaper films with high \pm -Fe filling-ratio. RSC Advances, 2017, 7, 20604-20609.	3.6	3
26881	The effect of ultraviolet radiation on the mild photo-responsive surface functionalization of carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 273-281.	2.1	2

#	ARTICLE	IF	CITATIONS
26883	The effect of the nanotube oxidation on the rheological and electrical properties of CNT/HDPE nanocomposites. Polymer Engineering and Science, 2017, 57, 665-673.	3.1	28
26884	Leakage Power Reduction Technique by Using Multigate FinFET in DSM Technology. Advances in Intelligent Systems and Computing, 2017, , 233-244.	0.6	1
26885	Impact of Solvolysis Process on Both Depolymerization Kinetics of Nylon 6 and Recycling Carbon Fibers from Waste Composite. Waste and Biomass Valorization, 2017, 8, 2853-2865.	3.4	19
26887	Expanding the morphology library of block copolymer self-assemblies with clews of tubules. Chemical Communications, 2017, 53, 5005-5008.	4.1	17
26888	Recent advances in carbon based nanosystems for cancer theranostics. Biomaterials Science, 2017, 5, 901-952.	5.4	172
26890	Synthesis of a carbon nanobelt. Science, 2017, 356, 172-175.	12.6	408
26891	Magnetic Graphene Nanocomposites for Multifunctional Applications. , 2017, , 317-357.		2
26892	Characterization of plasma-sprayed carbon nanotube (CNT)-reinforced alumina coatings on ASME-SA213-T11 boiler tube steel. International Journal of Advanced Manufacturing Technology, 2017, 92, 3225-3235.	3.0	32
26893	A review on the use of carbon nanotubes nanofluid for energy harvesting system. International Journal of Heat and Mass Transfer, 2017, 111, 782-794.	4.8	63
26894	Accurate measurement of the chirality of WS ₂ nanotubes. Nanoscale, 2017, 9, 7124-7134.	5.6	13
26895	CNT/SiC composites produced by direct matrix infiltration of self-assembled CNT sponges. Journal of Materials Science, 2017, 52, 8401-8411.	3.7	33
26896	Base fluids with CNTs as nanoparticles through non-Darcy porous medium in convectively heated flow: A comparative study. Advanced Powder Technology, 2017, 28, 1855-1865.	4.1	19
26897	Carbon nanomaterials in tribology. Carbon, 2017, 119, 150-171.	10.3	329
26898	Improving the strengthening efficiency of carbon nanotubes in titanium metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 696, 10-25.	5.6	87
26899	Twisting of Alkynes towards a Carbon Double Helix. Chemistry - A European Journal, 2017, 23, 12190-12197.	3.3	6
26900	Optimization of mixing process and effect of multi-walled carbon nanotubes on tensile properties of unsaturated polyester resin in composite materials. Journal of Mechanical Science and Technology, 2017, 31, 1621-1627.	1.5	3
26901	Buckling of single-walled carbon nanotubes with and without defects. Journal of Mechanical Science and Technology, 2017, 31, 1825-1833.	1.5	14
26902	Design of poly(1-hexadecene-sulfone)/poly(1,4-phenylene sulfide) membrane containing nano-zeolite and carbon nanotube for gas separation. International Journal of Plastics Technology, 2017, 21, 96-107.	3.1	8

#	ARTICLE	IF	CITATIONS
26903	Graphene nanoribbon winding around carbon nanotube. Computational Materials Science, 2017, 135, 99-108.	3.0	29
26904	Wear Resistance and Surface Hardness of Carbon Nanotube Reinforced Alumina Matrix Nanocomposite by Cold Sprayed Process. Procedia Engineering, 2017, 170, 108-112.	1.2	14
26905	Nonlinear size-dependent dynamic buckling analysis of embedded micro cylindrical shells reinforced with agglomerated CNTs using strain gradient theory. Microsystem Technologies, 2017, 23, 5727-5744.	2.0	4
26906	Self-Assembly of a Jammed Black Phosphorus Nanoribbon on a Fixed Carbon Nanotube. Journal of Physical Chemistry C, 2017, 121, 10174-10181.	3.1	18
26907	Multi-walled carbon nanotubes plastic NH ₃ gas sensor. AIP Conference Proceedings, 2017, , .	0.4	4
26908	Mechanical properties of early-age concrete reinforced with multi-walled carbon nanotubes. Magazine of Concrete Research, 2017, 69, 683-693.	2.0	16
26909	Nonlinear responses and stability analysis of viscoelastic nanoplate resting on elastic matrix under 3:1 internal resonances. International Journal of Mechanical Sciences, 2017, 128-129, 94-104.	6.7	20
26910	Bulk Expansion Effect of Gallium-Based Thermal Interface Material. International Journal of Thermophysics, 2017, 38, 1.	2.1	11
26911	Therapeutic nanomaterials: from a drug delivery perspective. , 2017, , 1-61.		1
26912	Dispersion state and rheological characteristics of carbon nanotube suspensions. Journal of Industrial and Engineering Chemistry, 2017, 52, 369-375.	5.8	13
26913	The noble gases adsorption on boron-rich boron nitride nanotubes: A theoretical investigation. Superlattices and Microstructures, 2017, 107, 97-103.	3.1	9
26914	Thermal stability of hydrogenated small-diameter carbon nanotubes. Semiconductors, 2017, 51, 213-216.	0.5	3
26915	Wave propagation in double-walled carbon nanotube conveying fluid considering slip boundary condition and shell model based on nonlocal strain gradient theory. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	74
26916	Decoration of doped C 60 fullerene with alkali metals: Prototype nanomaterial with enhanced binding energy toward hydrogen. International Journal of Hydrogen Energy, 2017, 42, 12327-12338.	7.1	23
26917	One-step and green synthesis of nitrogen-doped carbon quantum dots for multifunctional electronics. RSC Advances, 2017, 7, 21969-21973.	3.6	28
26918	Electrochemical behaviors of a wearable woven textile Li-ion battery consisting of a core and wound electrode fibers coated with active materials. , 2017, , .		0
26919	DFT, NBO and molecular docking studies of the adsorption of fluoxetine into and on the surface of simple and sulfur-doped carbon nanotubes. Applied Surface Science, 2017, 420, 267-275.	6.1	21
26920	Technical synthesis and biomedical applications of graphene quantum dots. Journal of Materials Chemistry B, 2017, 5, 4811-4826.	5.8	151

#	ARTICLE	IF	CITATIONS
26921	Polymer Nanocomposites for Biomedical and Biotechnology Applications. , 2017, , 57-76.		9
26922	Aligned FeOOH nanorods anchored on a graphene oxide-carbon nanotubes aerogel can serve as an effective Fenton-like oxidation catalyst. <i>Applied Catalysis B: Environmental</i> , 2017, 213, 74-86.	20.2	202
26923	A novel hybrid method combining ASP with PECVD for in - situ low temperature synthesis of vertically aligned carbon nanotube films. <i>Diamond and Related Materials</i> , 2017, 77, 16-24.	3.9	8
26924	Carbon Nanotube and Semiconductor Nanorods Hybrids: Preparation, Characterization, and Evaluation of Photocurrent Generation. <i>Langmuir</i> , 2017, 33, 5519-5526.	3.5	5
26925	Performance of carbon nanotubes in mortar using different surfactants. <i>Canadian Journal of Civil Engineering</i> , 2017, 44, 619-625.	1.3	10
26926	Switching Effects in Molecular Electronic Devices. <i>Topics in Current Chemistry</i> , 2017, 375, 56.	5.8	33
26927	Extraction media used in needle trap devices – Progress in development and application. <i>Journal of Chromatography A</i> , 2017, 1505, 1-17.	3.7	52
26928	Adsorption of VOCs onto engineered carbon materials: A review. <i>Journal of Hazardous Materials</i> , 2017, 338, 102-123.	12.4	1,031
26929	Assessment of solvent effects on the interaction of Carmustine drug with the pristine and COOH-functionalized single-walled carbon nanotubes: A DFT perspective. <i>Journal of Molecular Liquids</i> , 2017, 240, 87-97.	4.9	52
26930	Effects of thinner on RTV silicone rubber nanocomposites reinforced with GR and CNTs. <i>Polymers for Advanced Technologies</i> , 2017, 28, 1842-1850.	3.2	24
26931	Amperometric L-lysine biosensor based on carboxylated multiwalled carbon nanotubes-SnO ₂ nanoparticles-graphene composite. <i>Applied Surface Science</i> , 2017, 419, 916-923.	6.1	20
26932	Buckling modelling of ring and stringer stiffened cylindrical shells aggregated by graded CNTs. <i>Composites Part B: Engineering</i> , 2017, 124, 120-133.	12.0	24
26933	Raman intensity and vibrational modes of armchair CNTs. <i>Chemical Physics Letters</i> , 2017, 679, 45-51.	2.6	4
26934	Covalent Modification of Graphene Oxide with Vitamin B1: Preparation, Characterization, and Catalytic Reactivity for Synthesis of Benzimidazole Derivatives. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 6462-6467.	3.7	26
26935	Novel $\text{Fe}_3\text{O}_4@\text{GNF}@\text{SiO}_2$ nanocapsules fabricated through the combination of an in situ formation method and SiO_2 coating process for magnetic resonance imaging. <i>RSC Advances</i> , 2017, 7, 24690-24697.	3.6	8
26936	A feasibility study of polystyrene/CNT nano-composite as a dosimeter for diagnostic and therapeutic purposes. <i>Journal of Instrumentation</i> , 2017, 12, P05012-P05012.	1.2	18
26937	Finite element investigation of multi-walled carbon nanotubes as mass sensors. <i>EPJ Applied Physics</i> , 2017, 78, 20401.	0.7	2
26938	Stability and thermal analysis of MWCNT-thermal oil-based nanofluids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 527, 11-22.	4.7	121

#	ARTICLE	IF	CITATIONS
26939	DNA-Wrapped Single-Walled Carbon Nanotube Assemblies. Industrial & Engineering Chemistry Research, 2017, 56, 5302-5308.	3.7	11
26940	Nonlinear free vibration analysis of elastically supported carbon nanotube-reinforced composite beam with the thermal environment in non-deterministic framework. Curved and Layered Structures, 2017, 4, 85-103.	1.3	8
26941	Effect of multi-walled carbon nanotubes on linear viscoelastic behavior and microstructure of zwitterionic wormlike micelle at high temperature. Chemical Engineering Research and Design, 2017, 123, 14-22.	5.6	26
26942	Mechanical and electrical properties of ethylene-1-octene and polypropylene composites filled with carbon nanotubes. Composites Science and Technology, 2017, 147, 71-77.	7.8	23
26943	Atomic-Resolution Transmission Electron Microscopic Movies for Study of Organic Molecules, Assemblies, and Reactions: The First 10 Years of Development. Accounts of Chemical Research, 2017, 50, 1281-1292.	15.6	65
26944	Complex structure of the carbon arc discharge for synthesis of nanotubes. Plasma Sources Science and Technology, 2017, 26, 065019.	3.1	37
26945	Enhancing Cleanup of Environmental Pollutants. , 2017, , .		12
26946	Properties and Applications of Polymer Nanocomposites. , 2017, , .		16
26947	Synthesis and Biological Evaluation of the Toxicity of Grafted 2-Mercaptobenzimidazole Multi-Walled Carbon Nanotubes (MWCNTs). Iranian Journal of Science and Technology, Transaction A: Science, 2017, 41, 145-150.	1.5	4
26948	Carbon nanotubes as reinforcement in composites: A review of the analytical, numerical and experimental approaches. Computational Materials Science, 2017, 136, 85-101.	3.0	125
26949	Novel controlled synthesis of nanoporous carbon nanorods from resorcinol-formaldehyde xerogels. Materials Letters, 2017, 201, 181-184.	2.6	2
26950	Nanocarbon based composite electrodes and their application in microbial fuel cells. Journal of Materials Chemistry A, 2017, 5, 12673-12698.	10.3	80
26951	Nonlinear thermoelastic frequency analysis of functionally graded CNT-reinforced single/doubly curved shallow shell panels by FEM. Journal of Thermal Stresses, 2017, 40, 899-916.	2.0	79
26952	A Twisted Nanographene Consisting of 96 Carbon Atoms. Angewandte Chemie, 2017, 129, 9131-9135.	2.0	53
26953	Modeling the Growth of Single-Wall Carbon Nanotubes. Topics in Current Chemistry, 2017, 375, 55.	5.8	26
26954	Formation of physical-gel redox electrolytes through self-assembly of discotic liquid crystals: Applications in dye sensitized solar cells. Electrochimica Acta, 2017, 244, 162-171.	5.2	12
26955	Silica Nanotubes with Widely Adjustable Inner Diameter and Ordered Silicas with Ultralarge Cylindrical Mesopores Templated by Swollen Micelles of Mixed Pluronic Triblock Copolymers. Chemistry of Materials, 2017, 29, 4675-4681.	6.7	20
26956	Thermal conduction in graphene thin films considering different materials of various shapes. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
26957	A Computational Study of a Single-Walled Carbon Nanotube-Based Ultrafast High-Capacity Aluminum Battery. Chemistry - an Asian Journal, 2017, 12, 1944-1951.	3.3	20
26958	Radar stealth and mechanical properties of a broadband radar absorbing structure. Composites Part B: Engineering, 2017, 123, 19-27.	12.0	79
26959	Enhancement of electrical conductivity and other related properties of epoxidized natural rubber/carbon nanotube composites by optimizing concentration of 3-aminopropyltriethoxy silane. Polymer Engineering and Science, 2017, 57, 381-391.	3.1	15
26960	Low-power-consumption flat-panel light-emitting device driven by field-emission electron source using high-crystallinity single-walled carbon nanotubes. Japanese Journal of Applied Physics, 2017, 56, 065101.	1.5	9
26961	Na _{0.35} MnO ₂ as an ionic conductor with randomly distributed nano-sized layers. Journal of Materials Chemistry A, 2017, 5, 10021-10026.	10.3	13
26962	Effects of Fe ₂ O ₃ and ZnO nanoparticles on 17 β -estradiol adsorption to carbon nanotubes. Chemical Engineering Journal, 2017, 326, 1134-1144.	12.7	33
26963	An Overview of Processing and Properties of CU/CNT Nano Composites. Materials Today: Proceedings, 2017, 4, 3872-3881.	1.8	42
26964	Preparation of graphene by electrical explosion of graphite sticks. Nanoscale, 2017, 9, 10639-10646.	5.6	29
26965	Vibrational behavior of single-walled carbon nanotubes based on cylindrical shell model using wave propagation approach. AIP Advances, 2017, 7, .	1.3	33
26966	A Twisted Nanographene Consisting of 96 Carbon Atoms. Angewandte Chemie - International Edition, 2017, 56, 9003-9007.	13.8	127
26967	Tunable structural and electrical properties of zigzag CdS nanotubes: A density functional study. Physica Status Solidi (B): Basic Research, 2017, 254, 1700038.	1.5	5
26968	Multiscale electro-mechanical modeling of carbon nanotube composites. Computational Materials Science, 2017, 135, 169-180.	3.0	41
26969	Significance tests on the output power of a thermally driven rotary nanomotor. Nanotechnology, 2017, 28, 215705.	2.6	13
26970	Amide-mediated enhancement of sorption efficiency of trivalent f-elements on functionalized carbon nanotube: Evidence of physisorption. Separation Science and Technology, 2017, 52, 2049-2061.	2.5	15
26971	Carbon nanotube radio-frequency electronics. Nanotechnology, 2017, 28, 212001.	2.6	20
26972	Large-scale industrial manufacturing of carbon nanotubes in a continuous inclined mobile-bed rotating reactor via the catalytic chemical vapor deposition process. Frontiers of Chemical Science and Engineering, 2017, 11, 280-289.	4.4	25
26973	Coalescence of Metal Nanoparticles as the Origin of Nanocapillary Forces in Carbon Nanotubes. Journal of Physical Chemistry C, 2017, 121, 9606-9611.	3.1	1
26974	Effect of anodizing voltage and annealing temperature on the growth of titanium dioxide nanotube. AIP Conference Proceedings, 2017, , .	0.4	1

#	ARTICLE	IF	CITATIONS
26975	Comparative Study with a Unique Arrangement to Tap Piezoelectric Output to Realize a Self Poled PVDF Based Nanocomposite for Energy Harvesting Applications. ChemistrySelect, 2017, 2, 2774-2782.	1.5	29
26976	Arc plasma-assisted hydrogenation of few-layer graphene in methane-hydrogen atmospheres. Diamond and Related Materials, 2017, 76, 44-49.	3.9	15
26977	Synthesis and characterization of polypropylene/iron encapsulated carbon nanotube composites with high magnetic response at room temperature. Polymer, 2017, 118, 68-74.	3.8	19
26978	Application of a Nanosensor Based on MWCNTâ€ Sodium Dodecyl Sulphate Modified Electrode for the Analysis of a Novel Drug, Alphaâ€ Hydrazinonitroalkene in Human Blood Serum. Electroanalysis, 2017, 29, 1794-1804.	2.9	21
26979	Methylcellulose stabilized multi-walled carbon nanotubes dispersion for sustainable cement composites. Construction and Building Materials, 2017, 146, 76-85.	7.2	47
26981	Advances in carbon nanotubes as efficacious supports for palladium-catalysed carbonâ€ carbon cross-coupling reactions. Journal of Materials Science, 2017, 52, 9225-9248.	3.7	53
26982	First-principle study of graphyne-like BN sheet: Electronic structure and optical properties. Computational Materials Science, 2017, 136, 12-19.	3.0	44
26983	Growth of Bulk Sodium Acid Phthalate (NaAP) Crystals for High Frequency Laser Generation in Nonlinear Optical Applications. Materials Today: Proceedings, 2017, 4, 758-762.	1.8	1
26984	Mechanical characterization of vacancy defective single-walled carbon nanotube/epoxy composites. Materials Today: Proceedings, 2017, 4, 4013-4021.	1.8	32
26985	Role of Carbon Nano Tubes in Surface Modification on Electrical Discharge Machining -A Review. Materials Today: Proceedings, 2017, 4, 4079-4088.	1.8	19
26986	Fibre diffraction studies of biological macromolecules. Progress in Biophysics and Molecular Biology, 2017, 127, 43-87.	2.9	10
26987	Gold nanoparticles decorated carbon nanotube probe based immunochromatographic assay on cotton thread. Sensors and Actuators B: Chemical, 2017, 251, 1112-1118.	7.8	25
26988	Ultrasound-promoted direct functionalization of multi-walled carbon nanotubes in water via Diels-Alder â€ click chemistryâ€. Ultrasonics Sonochemistry, 2017, 39, 321-329.	8.2	38
26989	Increasing Radical Character of Large [<i>n</i>]cyclacenes Unveiled by Wave Function Theory. Journal of Physical Chemistry A, 2017, 121, 3746-3756.	2.5	45
26990	The â€ rule of multiplicity of threeâ€. Does it work in carbon nanotubes?. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 379-385.	2.1	2
26991	Electron extraction electrode for a high-performance electron beam from carbon nanotube cold cathodes. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2017, 35, .	1.2	21
26992	Magnetic and dielectric properties of carbon nanotubes with embedded cobalt nanoparticles. Carbon, 2017, 114, 39-49.	10.3	45
26993	MHD pulsatile flow of engine oil based carbon nanotubes between two concentric cylinders. Results in Physics, 2017, 7, 57-68.	4.1	60

#	ARTICLE	IF	CITATIONS
26994	On the possibility of planar graphyne and graphdiyne chains. Solid State Communications, 2017, 250, 75-78.	1.9	13
26995	Stable carbon configurations. Bolletino Dell Unione Matematica Italiana, 2017, 10, 335-354.	1.0	4
26996	Printing of highly conductive carbon nanotubes fibres from aqueous dispersion. Materials and Design, 2017, 116, 16-20.	7.0	12
26997	Studies of nanocomposites based on carbon nanomaterials and RTV silicone rubber. Journal of Applied Polymer Science, 2017, 134, .	2.6	51
26998	Dielectric properties evaluation of NiFe ₂ O ₄ /MWCNTs nanohybrid for microwave applications prepared via novel one step synthesis. Ceramics International, 2017, 43, 4090-4095.	4.8	18
26999	Nano-engineered Carbon Fibre-Reinforced Composites: Challenges and Opportunities. , 2017, , 117-135.		1
27000	Improved tensile and buckling behavior of defected carbon nanotubes utilizing boron nitride coating “ A molecular dynamic study. Physica B: Condensed Matter, 2017, 507, 156-163.	2.7	23
27001	Carbon nano onion as versatile contender in polymer compositing and advance application. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 109-123.	2.1	36
27002	Buckling analysis of non-uniform thickness nanoplates in an elastic medium using the isogeometric analysis. Composite Structures, 2017, 162, 182-193.	5.8	15
27003	Electrically Transduced Sensors Based on Nanomaterials (2012–2016). Analytical Chemistry, 2017, 89, 249-275.	6.5	71
27004	Electrodeposition of zinc oxide nanoparticles on multiwalled carbon nanotube-modified electrode for determination of caffeine in wastewater effluent. International Journal of Environmental Analytical Chemistry, 2017, 97, 623-636.	3.3	16
27006	Static analysis of functionally graded carbon nanotube-reinforced plate and shell structures. Composite Structures, 2017, 176, 1107-1123.	5.8	87
27007	Experimental investigation and modeling of thermal conductivity and viscosity for non-Newtonian hybrid nanofluid containing coated CNT/Fe ₃ O ₄ nanoparticles. Powder Technology, 2017, 318, 441-450.	4.2	97
27008	A size-dependent beam model for stability of axially loaded carbon nanotubes surrounded by Pasternak elastic foundation. Composite Structures, 2017, 176, 1028-1038.	5.8	86
27009	Facile synthesis, characterization and the anchor effect on cotton fabrics of cyanuric chloride activated carbon nanotubes. Journal of Molecular Structure, 2017, 1147, 129-135.	3.6	5
27010	Radical Ions of a Bowl Sumanene: Effects of Strained Structure on the Electronic Transitions. Journal of Physical Chemistry A, 2017, 121, 4902-4906.	2.5	2
27011	Coupled Cluster and Density Functional Studies of Atomic Fluorine Chemisorption on Coronene as Model Systems for Graphene Fluorination. Journal of Physical Chemistry C, 2017, 121, 14888-14898.	3.1	12
27012	Three-dimensional transverse vibration of microtubules. Journal of Applied Physics, 2017, 121, .	2.5	9

#	ARTICLE	IF	CITATIONS
27014	High energy conversion efficiency conducting polymer actuators based on PEDOT:PSS/MWCNTs composite electrode. RSC Advances, 2017, 7, 31264-31271.	3.6	68
27015	The geometric and electronic transitions in body-centered-tetragonal C8: A first principle study. Carbon, 2017, 120, 89-94.	10.3	17
27016	Capacitive performance of cysteamine functionalized carbon nanotubes. Materials Chemistry and Physics, 2017, 197, 100-104.	4.0	49
27017	Progress in catalytic synthesis of advanced carbon nanofibers. Journal of Materials Chemistry A, 2017, 5, 13863-13881.	10.3	38
27018	Comprehensive theoretical study of all 1812 C ₆₀ isomers. Physical Chemistry Chemical Physics, 2017, 19, 14296-14305.	2.8	58
27019	Simultaneous enzymatic activity modulation and rapid determination of enzyme kinetics by highly crystalline graphite dots. Nanoscale, 2017, 9, 8410-8417.	5.6	12
27020	3. Separation/Preconcentration Techniques for Rare Earth Elements Analysis. , 2017, , 14-73.		1
27021	Bonding analyses of unconventional carbon allotropes. Carbon, 2017, 121, 154-162.	10.3	19
27022	Phosphorus-functionalized multi-wall carbon nanotubes as flame-retardant additives for polystyrene and poly (methyl methacrylate). Journal of Thermal Analysis and Calorimetry, 2017, 130, 735-753.	3.6	25
27023	Structure-dependent mechanical properties of extended beta-graphyne. Carbon, 2017, 120, 350-357.	10.3	21
27024	Construction of molecule-selective mixed matrix membranes with confined mass transfer structure. Chinese Journal of Chemical Engineering, 2017, 25, 1563-1580.	3.5	27
27025	Microstructure and electrical conductivity of laminated Cu/CNT/Cu composites prepared by electrodeposition. Journal of Alloys and Compounds, 2017, 717, 232-239.	5.5	29
27026	Pollutant Decontamination from Water: Role of Nanocomposite Materials. , 2017, , 141-182.		3
27027	Rapid microwave irradiation synthesis of carbon nanotubes on graphite surface and its application on asphalt reinforcement. Composites Part B: Engineering, 2017, 124, 134-143.	12.0	33
27028	Rapid, Trace-Level Ammonia Gas Sensor Based on Surface-Engineered Ag Nanoclusters@Polyaniline/Multiwalled Carbon Nanotubes and Insights into Their Mechanistic Pathways. ChemistrySelect, 2017, 2, 4277-4289.	1.5	17
27029	Nanohybrid Catalyst based on Carbon Nanotube. Carbon Nanostructures, 2017, , .	0.1	13
27030	Polymer Nanocomposites for Electronics, Dielectrics, and Microwave Applications. , 2017, , 25-36.		1
27031	Understanding of SF ₆ decompositions adsorbed on cobalt-doped SWCNT: A DFT study. Applied Surface Science, 2017, 420, 371-382.	6.1	32

#	ARTICLE	IF	CITATIONS
27032	Review of geometries and coating materials in solid phase microextraction: Opportunities, limitations, and future perspectives. <i>Analytica Chimica Acta</i> , 2017, 984, 42-65.	5.4	257
27033	Sensitive warfarin sensor based on cobalt oxide nanoparticles electrodeposited at multi-walled carbon nanotubes modified glassy carbon electrode (CoxOyNPs/MWCNTs/GCE). <i>Electrochimica Acta</i> , 2017, 246, 689-698.	5.2	20
27034	Size effect on brittle and ductile fracture of two-dimensional interlinked carbon nanotube network. <i>Physica B: Condensed Matter</i> , 2017, 520, 82-88.	2.7	6
27035	Electrochemical investigation and determination of procaterol hydrochloride on poly(glutamic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 carbon electrode. <i>Talanta</i> , 2017, 174, 436-443.	5.5	14
27036	Flexible Dual-Mode Tactile Sensor Derived from Three-Dimensional Porous Carbon Architecture. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 22685-22693.	8.0	41
27037	Multi-walled boron nitride nanotubes as self-excited launchers. <i>Nanoscale</i> , 2017, 9, 10358-10366.	5.6	1
27038	CVD-growth of MWCNT arrays on Me-Ct-N-(O) thin films. <i>Journal of Physics: Conference Series</i> , 2017, 829, 012002.	0.4	0
27039	Nanomaterials for cancer therapies. <i>Nanotechnology Reviews</i> , 2017, 6, 473-496.	5.8	61
27040	Co-production of hydrogen and carbon nanotubes from catalytic pyrolysis of waste plastics on Ni-Fe bimetallic catalyst. <i>Energy Conversion and Management</i> , 2017, 148, 692-700.	9.2	180
27041	A comprehensive analysis of mechanical characteristics of carbon nanotube-metal matrix nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 701, 34-44.	5.6	57
27042	Calibration of nonlocal strain gradient shell model for buckling analysis of nanotubes using molecular dynamics simulations. <i>Physica B: Condensed Matter</i> , 2017, 521, 102-111.	2.7	53
27043	Recent Progress in the Development of Semiconductor-Based Photocatalyst Materials for Applications in Photocatalytic Water Splitting and Degradation of Pollutants. <i>Advanced Sustainable Systems</i> , 2017, 1, 1700006.	5.3	144
27044	A first principle study of phosphorous doped graphyne. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
27045	Polypyrrole functionalized with carbon nanotubes as an efficient and new electrodes for electrochemical supercapacitors. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	3
27046	Ultrasensitive Nanosensor for Detection of Malic Acid in Tomato as Fruit Ripening Indicator. <i>Food Analytical Methods</i> , 2017, 10, 3680-3686.	2.6	8
27047	Mechanical and tribological properties of alumina-MWCNTs composites sintered by rapid hot-pressing. <i>Journal of the European Ceramic Society</i> , 2017, 37, 4821-4831.	5.7	18
27048	Combination of molecularly imprinted polymers and carbon nanomaterials as a versatile biosensing tool in sample analysis: Recent applications and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 134-151.	11.4	78
27049	Fabrication of graphene nanosheet-based multiwalled carbon nanotube-polyaniline modified carbon paste electrode for the simultaneous electrochemical determination of terbutaline sulphate and guaifenesin. <i>New Journal of Chemistry</i> , 2017, 41, 7061-7072.	2.8	29

#	ARTICLE	IF	CITATIONS
27050	Room-temperature discrete-charge-fluctuation dynamics of a single molecule adsorbed on a carbon nanotube. <i>Nanoscale</i> , 2017, 9, 10674-10683.	5.6	25
27051	Preparation and enhanced microwave absorption properties of Ni-Co attached single-walled carbon nanotubes and CoFe ₂ O ₄ nanocomposites. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	32
27052	Preparation, characterization, and properties of disulfide-containing polyethyleneimine grafted carbon nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 386-390.	2.1	5
27053	Using Anodic Aluminum Oxide Film and Nanoimprint to Produce Polymer Anti-counterfeit Labels. <i>Smart Science</i> , 2017, 5, 117-122.	3.2	2
27054	Synthesis of highly aligned carbon nanotubes by one-step liquid-phase process: Effects of carbon sources on morphology of carbon nanotubes. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 06GE05.	1.5	7
27055	Three-dimensional Pentagon Carbon with a genesis of emergent fermions. <i>Nature Communications</i> , 2017, 8, 15641.	12.8	104
27056	Neural interfaces engineered via micro- and nanostructured coatings. <i>Nano Today</i> , 2017, 14, 59-83.	11.9	60
27057	Carbon nanostructures in biology and medicine. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6437-6450.	5.8	100
27058	The size-responsive phase transition mechanism and upconversion/downshifting luminescence properties of KLu ₂ F ₇ :Yb ³⁺ /Er ³⁺ nanocrystals. <i>Journal of Materials Chemistry C</i> , 2017, 5, 6311-6318.	5.5	8
27059	Statistical modelling and simulation of nanohybrid shish-kebab architecture of PE-b-PEG copolymers and carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13348-13360.	2.8	12
27060	Cement-based materials with graphene nanophase. , 2017, , .		1
27061	Dynamical response of multi-walled carbon nanotube resonators based on continuum mechanics modeling for mass sensing applications. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 2385-2391.	1.5	6
27062	Electrical conductivity and piezo-resistive characteristics of CNT and CNF incorporated cementitious nanocomposites under static and dynamic loading. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 100, 227-243.	7.6	103
27063	Carbon nanotubes functionalized with titanium complexes for hexavalent chromium adsorption: An ab initio approach. <i>Computational and Theoretical Chemistry</i> , 2017, 1113, 110-119.	2.5	6
27064	Comparative Energy Modeling of Multiwalled Mg ₃ Si ₂ O ₅ (OH) ₄ and Ni ₃ Si ₂ O ₅ (OH) ₄ Nanoscroll Growth. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12495-12502.	3.1	21
27065	A test device for in situ TEM investigations on failure behaviour of carbon nanotubes embedded in metals under tensile load. , 2017, , .		0
27066	Analysis of nanoparticles with an optical sensor based on carbon nanotubes. , 2017, , .		1
27067	A comprehensive density functional theory study on molecular structures of (5, 5) carbon nanotube doped with B, N, Al, Si, P, Co, and Ni. <i>Computational and Theoretical Chemistry</i> , 2017, 1114, 55-64.	2.5	10

#	ARTICLE	IF	CITATIONS
27068	General Oriented Formation of Carbon Nanotubes from Metal-Organic Frameworks. Journal of the American Chemical Society, 2017, 139, 8212-8221.	13.7	777
27069	Modified carbon nanotubes in online speciation of chromium in real water samples using hyphenated FI-FAAS. New Journal of Chemistry, 2017, 41, 5034-5039.	2.8	14
27070	Enhanced biocompatibility of multi-walled carbon nanotubes by surface modification: Future perspectives for drug delivery system. AIP Conference Proceedings, 2017, , .	0.4	2
27071	Effect of coating mild steel with CNTs on its mechanical properties and corrosion behaviour in acidic medium. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 015016.	1.5	19
27072	Modeling caffeine adsorption by multi-walled carbon nanotubes using multiple polynomial regression with interaction effects. Journal of Water and Health, 2017, 15, 526-535.	2.6	43
27073	Self-Expansion Construction of Ultralight Carbon Nanotube Aerogels with a 3D and Hierarchical Cellular Structure. Small, 2017, 13, 1700966.	10.0	10
27074	Modal analysis of multi-walled carbon nanocones using molecular dynamics simulation. Computational Materials Science, 2017, 137, 55-66.	3.0	9
27075	Influences of poly (vinyl alcohol) molecular weight and carbon nanotubes on radiation crosslinking shape memory polymers. Progress in Natural Science: Materials International, 2017, 27, 316-325.	4.4	22
27076	Influence of tapped density on the degradation profile of multiwall carbon nanotubes. Thermochimica Acta, 2017, 654, 140-145.	2.7	6
27077	Different roles of carbon and silicon vacancies in silicon carbide bulks and nanowires. International Journal of Modern Physics B, 2017, 31, 1750173.	2.0	7
27078	Morphological tuning of photo-booster g-C ₃ N ₄ with higher surface area and better charge transfers for enhanced power conversion efficiency of quantum dot sensitized solar cells. Carbon, 2017, 121, 90-105.	10.3	38
27079	Application of common nano-materials for removal of selected metallic species from water and wastewaters: A critical review. Journal of Molecular Liquids, 2017, 240, 656-677.	4.9	96
27080	Evaluation of cytotoxic responses of raw and functionalized multi-walled carbon nanotubes in human breast cancer (MCF-7) cells. Vacuum, 2017, 146, 578-585.	3.5	11
27081	Paper-Based Electrodes for Flexible Energy Storage Devices. Advanced Science, 2017, 4, 1700107.	11.2	361
27082	Static response and free vibration of functionally graded carbon nanotube-reinforced composite rectangular plates resting on Winkler-Pasternak elastic foundations. Aerospace Science and Technology, 2017, 68, 391-402.	4.8	96
27083	Few-atomic-layered hexagonal boron nitride: CVD growth, characterization, and applications. Materials Today, 2017, 20, 611-628.	14.2	96
27084	Intercalation of Li atom/ion into pristine silicon nanotube: A first principle study. AIP Conference Proceedings, 2017, , .	0.4	0
27085	Theoretical study of hydrogen adsorption in Ti-decorated capped carbon nanotube. Molecular Physics, 2017, 115, 2515-2520.	1.7	3

#	ARTICLE	IF	CITATIONS
27086	Effect of nitrogen and oxygen doped carbon nanotubes on flammability of epoxy nanocomposites. Carbon, 2017, 121, 193-200.	10.3	36
27087	Low-temperature Thermal CVD of Superblack Carbon Nanotube Coatings. Advanced Materials Interfaces, 2017, 4, 1700238.	3.7	15
27088	CMOS micro-heater design for direct integration of carbon nanotubes. Microelectronics Reliability, 2017, 79, 517-525.	1.7	10
27089	Horizontally aligned carbon nanotube arrays: growth mechanism, controlled synthesis, characterization, properties and applications. Chemical Society Reviews, 2017, 46, 3661-3715.	38.1	153
27090	Fabrication and Electroproperties of Nanoribbons: Carbon Nanoribbon. Advanced Electronic Materials, 2017, 3, 1700133.	5.1	11
27091	Synthesis and Characterization of Tri-metallic Fe-Co-Ni Catalyst Supported on CaCO_3 for Multi-Walled Carbon Nanotubes Growth via Chemical Vapor Deposition Technique. Arabian Journal for Science and Engineering, 2017, 42, 4365-4381.	3.0	10
27092	Formation of micro/mesopores during chemical activation in tailor-made nongraphitic carbons. Microporous and Mesoporous Materials, 2017, 251, 34-41.	4.4	27
27093	Control Synthesis of Tubular Hyper-Cross-Linked Polymers for Highly Porous Carbon Nanotubes. ACS Applied Materials & Interfaces, 2017, 9, 20779-20786.	8.0	77
27094	Carbon nanotubes synthesis using carbonization of pretreated rice straw through chemical vapor deposition of camphor. RSC Advances, 2017, 7, 28535-28541.	3.6	73
27095	Quantum chemical molecular dynamics simulation of carbon nanotube-graphene fusion. Molecular Simulation, 2017, 43, 1269-1276.	2.0	5
27096	Humidity-enhanced sub-ppm sensitivity to ammonia of covalently functionalized single-wall carbon nanotube bundle layers. Nanotechnology, 2017, 28, 255502.	2.6	32
27097	First-principles study on atomistic and electronic structures of boron-nitrogen and boron-phosphorous nanoribbons, nanorings, and nanotubes. Japanese Journal of Applied Physics, 2017, 56, 065001.	1.5	3
27098	Effect of Carbon Nanotubes as Reinforcement on the Mechanical Properties of Aluminum-Copper-Magnesium Alloy. Journal of Materials Engineering and Performance, 2017, 26, 3376-3386.	2.5	30
27099	A non-conventional way to perform voltammetry. Electrochemistry Communications, 2017, 81, 61-64.	4.7	9
27100	Functionalized carbon nanotubes in bio-world: Applications, limitations and future directions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 223, 43-63.	3.5	80
27101	Ultrafast carbon nanotube growth by microwave irradiation. Diamond and Related Materials, 2017, 77, 65-71.	3.9	20
27102	Molecular dynamics simulations of the buckling behavior of defective carbon nanotubes embedded in epoxy nanocomposites. European Polymer Journal, 2017, 93, 246-258.	5.4	14
27103	Sn/Al ₂ O ₃ /C/CNT composite prepared by wet milling as anode material for lithium-ion cells. Journal of Science: Advanced Materials and Devices, 2017, 2, 210-214.	3.1	3

#	ARTICLE	IF	CITATIONS
27104	Pentagon-Embedded Cycloarylenes with Cylindrical Shapes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9106-9110.	13.8	40
27105	From carbon to buckypaper. <i>Resonance</i> , 2017, 22, 257-268.	0.3	6
27106	Sulfonic organic resin as catalyst for the synthesis of substituted pyrano[4,3-b]pyrazolo[4,3-e]pyridin-5(1H)-one derivatives. <i>Catalysis Communications</i> , 2017, 99, 131-134.	3.3	7
27107	Mechanism of mechanically induced optoelectronic and spintronic phase transitions in 1D graphene spirals: insight into the role of interlayer coupling. <i>Nanoscale</i> , 2017, 9, 9693-9700.	5.6	14
27108	Synthesis of composite polymer particles with carbon nanotubes and evaluation of their mechanical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 765-770.	4.7	12
27109	Electrode and electrolyte materials for electrochemical capacitors. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 25565-25587.	7.1	93
27110	The electronic properties of chiral silicon nanotubes. <i>Superlattices and Microstructures</i> , 2017, 109, 457-462.	3.1	18
27111	Semiconducting Single-Walled Carbon Nanotubes in Solar Energy Harvesting. <i>ACS Energy Letters</i> , 2017, 2, 1598-1613.	17.4	82
27113	Bound and unbound humic acids perform different roles in the aggregation and deposition of multi-walled carbon nanotubes. <i>Science of the Total Environment</i> , 2017, 586, 738-745.	8.0	20
27114	Improved mechanical properties and piezoresistive sensitivity evaluation of MWCNTs reinforced cement mortars. <i>Construction and Building Materials</i> , 2017, 144, 188-194.	7.2	26
27115	Excluded Volume Approach for Ultrathin Carbon Nanotube Network Stabilization: A Mesoscopic Distinct Element Method Study. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13611-13618.	8.0	13
27116	Buckling behaviour of composites with double walled nanotubes from carbon and phosphorus. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10922-10930.	2.8	14
27117	Helicity analysis of single, double, and triple helical iodine chains inside single-walled silicon carbide nanotubes. <i>Canadian Journal of Physics</i> , 2017, 95, 731-737.	1.1	2
27118	A novel ternary half adder and multiplier based on carbon nanotube field effect transistors. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2017, 18, 423-433.	2.6	17
27119	HDPE composites strengthened-toughened synergistically by L-aspartic acid functionalized graphene/carbon nanotubes hybrid nanomaterials. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45055.	2.6	19
27120	Mechanical properties of carbon fiber reinforced bisphenol A dicyanate ester composites modified with multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45100.	2.6	11
27121	Fabrication of durable and flexible single-walled carbon nanotube transparent conductive films. <i>RSC Advances</i> , 2017, 7, 19267-19272.	3.6	19
27122	Nanoscale mechanisms of CNT growth and etching in plasma environment. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 184001.	2.8	14

#	ARTICLE	IF	CITATIONS
27123	A Molecular Propeller with Three Nanohoop Blades: Synthesis, Characterization, and Solidâ€State Packing. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5237-5241.	13.8	39
27124	Complex Magnetic Nanostructures. , 2017, , .		6
27125	Advanced Ceramic Materials. , 2017, , 463-492.		12
27126	Two-way correspondence between carbon nanotubes and caps: Development of a numerical algorithm and a tool for organic cap synthesis. <i>Carbon</i> , 2017, 116, 678-685.	10.3	3
27127	Nanocellulose-based conductive materials and their emerging applications in energy devices - A review. <i>Nano Energy</i> , 2017, 35, 299-320.	16.0	329
27128	Highâ€Throughput Optical Imaging and Spectroscopy of Oneâ€Dimensional Materials. <i>Chemistry - A European Journal</i> , 2017, 23, 9703-9710.	3.3	1
27129	Plasma surface modification of materials and their entrapment of water contaminant: A review. <i>Plasma Processes and Polymers</i> , 2017, 14, 1600218.	3.0	52
27130	Modeling zigzag CNT: dependence of structural and electronic properties on length, and application to encapsulation of HCN and C2H2. <i>Journal of Molecular Modeling</i> , 2017, 23, 144.	1.8	1
27131	Catalytic etching of various carbon materials by ultrafine metal particles. <i>Carbon</i> , 2017, 114, 749.	10.3	0
27132	Sustainable process for functional group introduction onto HOPG by exposing OH and IO2 using a radical vapor reactor (RVR) without any chemical reagents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 328-334.	4.7	4
27133	The effect of carbon nanotube dispersion on the dynamic characteristics of unidirectional hybrid composites: An experimental approach. <i>Composites Part B: Engineering</i> , 2017, 122, 1-8.	12.0	35
27134	Influence of carbon nanotubes on the buckling of microtubule bundles in viscoelastic cytoplasm using nonlocal strain gradient theory. <i>Results in Physics</i> , 2017, 7, 1367-1375.	4.1	51
27135	Rotation-excited perfect oscillation of a tri-walled nanotube-based oscillator at ultralow temperature. <i>Nanotechnology</i> , 2017, 28, 155701.	2.6	4
27136	Carbon nanofibers replacing graphene oxide in ceramic composites as a reinforcing-phase: Is it feasible?. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3791-3796.	5.7	16
27137	Negative differential resistance and switching behavior in single wall bamboo-shape carbon nanotubes based molecular device: A first-principles study nanoscale device design. <i>Materials Research Bulletin</i> , 2017, 91, 148-154.	5.2	7
27138	Ultralong hydroxyapatite microtubes: solvothermal synthesis and application in drug loading and sustained drug release. <i>CrystEngComm</i> , 2017, 19, 1965-1973.	2.6	23
27139	Reviewâ€Photophysics of Trions in Single-Walled Carbon Nanotubes. <i>ECS Journal of Solid State Science and Technology</i> , 2017, 6, M3062-M3064.	1.8	1
27140	Optimising carbon electrode materials for adsorptive stripping voltammetry. <i>Applied Materials Today</i> , 2017, 7, 60-66.	4.3	21

#	ARTICLE	IF	CITATIONS
27141	Functionalization of super-aligned carbon nanotube film using hydrogen peroxide solution and its application in copper electrodeposition. Journal of Colloid and Interface Science, 2017, 498, 405-412.	9.4	5
27142	Wear behaviour of copper/carbon nanotubes. Industrial Lubrication and Tribology, 2017, 69, 342-347.	1.3	6
27143	Shortest Double-Walled Carbon Nanotubes Composed of Cycloparaphenylenes. ChemPlusChem, 2017, 82, 1015-1020.	2.8	61
27144	DNA-binding studies of valrubicin as a chemotherapy drug using spectroscopy and electrochemical techniques. Journal of Pharmaceutical Analysis, 2017, 7, 176-180.	5.3	52
27145	Separation of Ethanol and Water Using Graphene and Hexagonal Boron Nitride Slit Pores: A Molecular Dynamics Study. Journal of Physical Chemistry C, 2017, 121, 7867-7880.	3.1	31
27146	Structures, stabilities and spectral properties of borospherene B ₄₄ and metalloborospherenes MB ₄₄₀ (M = Li, Na, and K). Scientific Reports, 2017, 7, 40081.	3.3	12
27147	Application of polyaniline-multiwalled carbon nanotubes composite fiber for determination of benzaldehyde in injectable pharmaceutical formulations by solid-phase microextraction GC-FID using experimental design. Journal of Analytical Chemistry, 2017, 72, 264-271.	0.9	7
27149	Vinyl Ester (BisGMA)/SEBS/f-MWCNTs Based Nanocomposites: Preparation and Applications. Advanced Structured Materials, 2017, , 177-197.	0.5	0
27151	Different Synthesis Process of Carbon Nanomaterials for Biological Applications. , 2017, , 1-41.		6
27152	Synthesis of hydroxyapatite/multi-walled carbon nanotubes for the removal of fluoride ions from solution. Applied Surface Science, 2017, 412, 578-590.	6.1	73
27153	A review on methane transformation to hydrogen and nanocarbon: Relevance of catalyst characteristics and experimental parameters on yield. Renewable and Sustainable Energy Reviews, 2017, 76, 743-767.	16.4	79
27154	New carbon allotropes with metallic conducting properties: a first-principles prediction. RSC Advances, 2017, 7, 17417-17426.	3.6	45
27155	Influence of Carbon Nanotubes on Performance Properties and Storage Stability of SBS Modified Asphalt Binders. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	82
27156	Raman spectroscopy enabled investigation of carbon nanotubes quality upon dispersion in aqueous environments. Biointerphases, 2017, 12, 011004.	1.6	14
27157	Theoretical study of the adsorption of aromatic amino acids on a single-wall boron nitride nanotube with empirical dispersion correction. Canadian Journal of Chemistry, 2017, 95, 710-716.	1.1	13
27158	Synthesis of 3C-SiC nanowires from a graphene/Si configuration obtained by arc discharge method. Chemical Physics Letters, 2017, 678, 17-22.	2.6	12
27159	Dispersion enhancing effect of sonochemically functionalized graphene oxide for catalysing antioxidant efficacy of curcumin. Ultrasonics Sonochemistry, 2017, 39, 208-217.	8.2	28
27160	Carbon nanotube filled with magnetic iron oxide and modified with polyamidoamine dendrimers for immobilizing lipase toward application in biodiesel production. Scientific Reports, 2017, 7, 45643.	3.3	59

#	ARTICLE	IF	CITATIONS
27161	Interactions of the innate immune system with carbon nanotubes. <i>Nanoscale Horizons</i> , 2017, 2, 174-186.	8.0	13
27162	Wave propagation analysis of smart rotating porous heterogeneous piezo-electric nanobeams. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	27
27163	Finite Element Evaluation of Effective Thermal Conductivity of Short Carbon Nano Tubes: A Comparative Study. <i>Defect and Diffusion Forum</i> , 0, 372, 208-214.	0.4	5
27164	Super-elasticity and deformation mechanism of three-dimensional pillared graphene network structures. <i>Carbon</i> , 2017, 118, 588-596.	10.3	36
27165	Catalytic effect of low concentration carboxylated multi-walled carbon nanotubes on the oxidation of disinfectants with Cl-substituted structure by a Fenton-like system. <i>Chemical Engineering Journal</i> , 2017, 321, 325-334.	12.7	50
27166	Preparation and properties of dual-matrix carbon nanotube-reinforced aluminum composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 99, 84-93.	7.6	71
27167	Pyrrole-based poly(ionic liquids) as efficient stabilizers for formation of hollow multi-walled carbon nanotubes particles. <i>Journal of Colloid and Interface Science</i> , 2017, 504, 140-148.	9.4	8
27168	Preparation of flexible carbon nanotube ropes for low-voltage heat generator. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	17
27169	A Self-consistent Approach Applied to the Ferro and Antiferromagnetism of Nanotubes. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 2523-2534.	1.8	1
27170	Shape effect on the fabrication of imprinted nanoparticles: Comparison between spherical-, rod-, hexagonal-, and flower-shaped nanoparticles. <i>Chemical Engineering Journal</i> , 2017, 321, 195-206.	12.7	25
27171	Fabrication of branched nanostructures for CNT@Ag nano-hybrids: application in CO ₂ gas detection. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4226-4235.	5.5	20
27172	Mechanism and Application of Carbon Nanotube Sensors in SF ₆ Decomposed Production Detection: a Review. <i>Nanoscale Research Letters</i> , 2017, 12, 177.	5.7	74
27173	A review on nanomaterial-based electrochemical sensors for H ₂ O ₂ , H ₂ S and NO inside cells or released by cells. <i>Mikrochimica Acta</i> , 2017, 184, 1267-1283.	5.0	130
27174	Effects of carbon nanotube reinforcement and grain size refinement mechanical properties and wear behaviors of carbon nanotube/copper composites. <i>Diamond and Related Materials</i> , 2017, 74, 197-204.	3.9	42
27175	Chitosan-folate decorated carbon nanotubes for site specific lung cancer delivery. <i>Materials Science and Engineering C</i> , 2017, 77, 446-458.	7.3	66
27176	MHD rotating transport of CNTs in a vertical channel submerged with Hall current and oscillations. <i>European Physical Journal Plus</i> , 2017, 132, 1.	2.6	15
27177	A representative and comprehensive review of the electrical and thermal properties of polymer composites with carbon nanotube and other nanoparticle fillers. <i>Polymer International</i> , 2017, 66, 1237-1251.	3.1	45
27178	Glucose-assisted synthesize 1D/2D nearly vertical CdS/MoS ₂ heterostructures for efficient photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2017, 321, 366-374.	12.7	135

#	ARTICLE	IF	CITATIONS
27179	Construction of blood compatible lysine-immobilized chitin/carbon nanotube microspheres and potential applications for blood purified therapy. Journal of Materials Chemistry B, 2017, 5, 2952-2963.	5.8	70
27180	Novel membrane solutions for the EUV pellicle: better or not?. Proceedings of SPIE, 2017, , .	0.8	10
27181	Investigating interfacial contact configuration and behavior of single-walled carbon nanotube-based nanodevice with atomistic simulations. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	35
27182	A novel voltammetric sensor for nevirapine, based on modified graphite electrode by MWCNs/poly(methylene blue)/gold nanoparticle. Analytical Biochemistry, 2017, 527, 4-12.	2.4	41
27183	Starch/MWCNT-vitamin C nanocomposites: Electrical, thermal properties and their utilization for removal of methyl orange. Carbohydrate Polymers, 2017, 169, 23-32.	10.2	46
27184	Opportunity, Status, and Similarity: Exploring the Varied Antecedents and Outcomes of Category Spanning Innovation. Research in the Sociology of Organizations, 2017, , 355-389.	0.8	3
27185	Magnetite-Bridged Carbon Nanotubes/Graphene Sheets Three-Dimensional Network with Excellent Microwave Absorption. Journal of Electronic Materials, 2017, 46, 2097-2105.	2.2	14
27186	DFT and MD study of adsorption sensitivity of aluminium phosphide nanotube towards some air pollutant gas molecules. Molecular Simulation, 2017, 43, 675-690.	2.0	19
27187	Nanoparticles: Applications, Toxicology and Safety Aspects. Environmental Science and Engineering, 2017, , 47-70.	0.2	7
27188	Smart nanosensors for pesticide detection. , 2017, , 519-559.		18
27189	Scientometric overview in nanopesticides. , 2017, , 719-744.		5
27190	Electrochemical deposition of carbon nanotubes from CO ₂ in CaCl ₂ –NaCl-based melts. Journal of Materials Chemistry A, 2017, 5, 6219-6225.	10.3	45
27191	Rubber Based Bionanocomposites. Advanced Structured Materials, 2017, , .	0.5	2
27192	Binuclear metal phthalocyanines bonding with carbon nanotubes as catalyst for the Li/SOCl ₂ battery. Journal of Electroanalytical Chemistry, 2017, 791, 75-82.	3.8	16
27193	Carbon nanotube thin film strain sensors: comparison between experimental tests and numerical simulations. Nanotechnology, 2017, 28, 155502.	2.6	22
27194	Magnetic Susceptibility of Collapsed Carbon Nanotubes. Journal of the Physical Society of Japan, 2017, 86, 024704.	1.6	2
27195	Architecture of $\text{I}^2\text{â€} \text{Graphdiyneâ€}$ Containing Thin Film Using Modified Glaserâ€ Hay Coupling Reaction for Enhanced Photocatalytic Property of TiO ₂ . Advanced Materials, 2017, 29, 1700421.	21.0	115
27196	Mitochondrial oxidative stress and dysfunction induced by singleâ€ and multiwall carbon nanotubes: A comparative study. Journal of Biomedical Materials Research - Part A, 2017, 105, 2047-2055.	4.0	24

#	ARTICLE	IF	CITATIONS
27197	Functionalized single-walled carbon nanotubes: cellular uptake, biodistribution and applications in drug delivery. <i>International Journal of Pharmaceutics</i> , 2017, 524, 41-54.	5.2	113
27198	Amino Acid Functionalization of Doped Single-Walled Carbon Nanotubes: Effects of Dopants and Side Chains as Well as Zwitterionic Stabilizations. <i>Journal of Physical Chemistry B</i> , 2017, 121, 2721-2730.	2.6	7
27199	Graphene, hexagonal boron nitride, and their heterostructures: properties and applications. <i>RSC Advances</i> , 2017, 7, 16801-16822.	3.6	500
27200	Kinetic Study on Pb(II) Adsorption from Aqueous Solutions on Carbon Materials. <i>Nano Hybrids and Composites</i> , 0, 13, 334-340.	0.8	3
27202	Channeling of protons in radially compressed chiral carbon nanotubes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 402, 321-326.	1.4	0
27203	Synthesis of nanocomposites of polypyrrole/carbon nanotubes/silver nano particles and their application in water disinfection. <i>RSC Advances</i> , 2017, 7, 16878-16884.	3.6	44
27204	Wave propagation in fluid-conveying viscoelastic carbon nanotubes under longitudinal magnetic field with thermal and surface effect via nonlocal strain gradient theory. <i>Modern Physics Letters B</i> , 2017, 31, 1750069.	1.9	25
27205	On the elastic properties of curved carbon nanotubes/polymer nanocomposites: A modified rule of mixture. <i>Journal of Reinforced Plastics and Composites</i> , 2017, 36, 991-1008.	3.1	15
27206	Role of hydrogen diffusion in temperature-induced transformation of carbon nanostructures deposited on metallic substrates by using a specially designed fused hollow cathode cold atmospheric pressure plasma source. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 155207.	2.8	9
27207	Hybrid carbon nanotubes and conductive carbon black in natural rubber composites to enhance electrical conductivity by reducing gaps separating carbon nanotube encapsulates. <i>European Polymer Journal</i> , 2017, 90, 467-484.	5.4	67
27208	Electrochemical determination of an anti-hyperlipidemic drug pitavastatin at electrochemical sensor based on electrochemically pre-treated polymer film modified GCE. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 258-264.	5.3	20
27209	Thermal and mechanical properties of mechanically alloyed 304LSS-CNT metal matrix composites. <i>Journal of Composite Materials</i> , 2017, 51, 1019-1028.	2.4	10
27210	General Method for Large-Area Films of Carbon Nanomaterials and Application of a Self-Assembled Carbon Nanotube Film as a High-Performance Electrode Material for an All-Solid-State Supercapacitor. <i>Advanced Functional Materials</i> , 2017, 27, 1700474.	14.9	75
27211	Separation of metal ions via capillary electrophoresis using a pseudostationary phase microfunctionalized with carbon nanotubes. <i>Mikrochimica Acta</i> , 2017, 184, 1747-1754.	5.0	12
27212	Flame-retardant carbon nanotube films. <i>Applied Surface Science</i> , 2017, 411, 177-181.	6.1	22
27213	Molecular dynamics simulation of carbon nanotube pull-out from polyethylene matrix. <i>Composites Science and Technology</i> , 2017, 144, 169-177.	7.8	88
27214	Near-Infrared Photoluminescent Carbon Nanotubes for Imaging of Brown Fat. <i>Scientific Reports</i> , 2017, 7, 44760.	3.3	71
27215	Size-Dependent Torsional Buckling of Carbon Nano-Peapods Based on the Modified Couple Stress Theory. <i>International Journal of Applied Mechanics</i> , 2017, 09, 1750030.	2.2	7

#	ARTICLE	IF	CITATIONS
27216	Nonlocal effect in carbon nanotube resonators: A comprehensive review. <i>Advances in Mechanical Engineering</i> , 2017, 9, 168781401668692.	1.6	24
27217	Permeability enhancement of <i>Escherichia coli</i> by single-walled carbon nanotube treatment. <i>Biotechnology Progress</i> , 2017, 33, 654-657.	2.6	5
27218	DFT Calculations and Molecular Dynamics Simulation Study on the Adsorption of 5-Fluorouracil Anticancer Drug on Graphene Oxide Nanosheet as a Drug Delivery Vehicle. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 805-817.	3.7	80
27219	<i>Carbon Materials.</i> , 2017,, 429-462.		2
27220	Dodecylamine functionalization of carbon nanotubes to improve dispersion, thermal and mechanical properties of polyethylene based nanocomposites. <i>Applied Surface Science</i> , 2017, 410, 267-277.	6.1	81
27221	Twin graphene: A novel two-dimensional semiconducting carbon allotrope. <i>Carbon</i> , 2017, 118, 370-375.	10.3	150
27222	Comparative study of graphene nanoparticle and multiwall carbon nanotube filled epoxy nanocomposites based on mechanical, thermal and dielectric properties. <i>Composites Part B: Engineering</i> , 2017, 119, 57-66.	12.0	233
27223	Nonlocal strain gradient theory calibration using molecular dynamics simulation based on small scale vibration of nanotubes. <i>Physica B: Condensed Matter</i> , 2017, 514, 61-69.	2.7	102
27224	Molecular investigation of water adsorption on graphene and graphyne surfaces. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 90, 123-130.	2.7	8
27225	Channeling of protons through radial deformed carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1687-1692.	2.1	6
27226	Synthesis of chitin nanofibers, MWCNTs and MnO ₂ nanoflakes 3D porous network flexible gel-film for high supercapacitive performance electrodes. <i>Applied Surface Science</i> , 2017, 398, 33-42.	6.1	11
27227	Modelling of adsorption of textile dyes over multi-walled carbon nanotubes: Equilibrium and kinetic. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 523-532.	3.5	42
27228	Angle dependence of the shear behaviour of asymmetric carbon nanotubes. <i>Materials and Design</i> , 2017, 116, 136-143.	7.0	10
27229	A predictive model of the tensile strength of twisted carbon nanotube yarns. <i>Nanotechnology</i> , 2017, 28, 015703.	2.6	10
27230	Biomass Organs Control the Porosity of Their Pyrolyzed Carbon. <i>Advanced Functional Materials</i> , 2017, 27, 1604687.	14.9	154
27231	Electron transport in HBr adsorbed boron doped carbon nanotube. <i>Chemical Physics Letters</i> , 2017, 667, 199-205.	2.6	5
27232	Roles of cation valance and exchange on the retention and colloid-facilitated transport of functionalized multi-walled carbon nanotubes in a natural soil. <i>Water Research</i> , 2017, 109, 358-366.	11.3	49
27233	Nonlinear Static Behavior of FG-CNT Reinforced Composite Flat Panel under Thermomechanical Load. <i>Journal of Aerospace Engineering</i> , 2017, 30, .	1.4	22

#	ARTICLE	IF	CITATIONS
27234	Magnetostatic Interaction Between Two Nanotubes During Magnetization Reversal by Vortex Domain Walls. <i>IEEE Magnetics Letters</i> , 2017, 8, 1-4.	1.1	0
27235	A Review on Design Strategies for Carbon Based Metal Oxides and Sulfides Nanocomposites for High Performance Li and Na Ion Battery Anodes. <i>Advanced Energy Materials</i> , 2017, 7, 1601424.	19.5	486
27236	Iron (II, III) oxide/multi-walled carbon nanotube composite as solid-phase extraction sorbent followed by ultra-high performance liquid chromatography tandem mass spectrometry for simultaneous determination of zearalenone and type A trichothecenes in <i>Salviae miltiorrhizae Radix et Rhizoma</i> (Danshen). <i>Journal of Chromatography A</i> , 2017, 1482, 1-10.	3.7	28
27237	Effectiveness of Polystyrene/Carbon Nanotube Composite in Electromagnetic Interference Shielding Materials: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 1027-1042.	1.9	37
27238	Influence of voltage variation on structure and magnetic properties of $\text{Co}_{1-x}\text{Sn}_x$ ($x=0.3\sim 0.7$) nanowire alloys in alumina by electrochemical deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	10
27239	Tensile properties and electrical conductivity of epoxy composite thin films containing zinc oxide quantum dots and multi-walled carbon nanotubes. <i>Carbon</i> , 2017, 115, 18-27.	10.3	47
27240	Enhancement of lignocellulose-carbon nanotubes composites by lignocellulose grafting. <i>Carbohydrate Polymers</i> , 2017, 160, 115-122.	10.2	15
27241	Remediation of waste water by Co/Fe layered double hydroxide and its catalytic activity. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 71, 441-453.	5.3	31
27242	Free vibration and elastic buckling of functionally graded porous beams reinforced by graphene platelets. <i>Materials and Design</i> , 2017, 116, 656-665.	7.0	458
27243	Dynamic behavior of a black phosphorus and carbon nanotube composite system. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 025304.	2.8	19
27244	Dynamic instability of functionally graded multilayer graphene nanocomposite beams in thermal environment. <i>Composite Structures</i> , 2017, 162, 244-254.	5.8	256
27245	Graphene oxide-reinforced aluminum alloy matrix composite materials fabricated by powder metallurgy. <i>Journal of Alloys and Compounds</i> , 2017, 698, 807-813.	5.5	104
27246	Multi-walled carbon nanotube reinforced mortar-aggregate interfacial properties. <i>Construction and Building Materials</i> , 2017, 133, 57-64.	7.2	26
27247	Vibration and Stability Analysis of DWCNT-Based Spinning Nanobearings. <i>International Journal of Structural Stability and Dynamics</i> , 2017, 17, 1750102.	2.4	8
27248	Application of Modified Couple Stress Theory and Homotopy Perturbation Method in Investigation of Electromechanical Behaviors of Carbon Nanotubes. <i>Advances in Applied Mathematics and Mechanics</i> , 2017, 9, 23-42.	1.2	9
27249	Co-transport of chlordecone and sulfadiazine in the presence of functionalized multi-walled carbon nanotubes in soils. <i>Environmental Pollution</i> , 2017, 221, 470-479.	7.5	31
27250	A renovated Hamilton-Crosser model for the effective thermal conductivity of CNTs nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017, 81, 42-50.	5.6	56
27251	A microporous Cd-MOF based on a hexavalent silicon-centred connector and luminescence sensing of small molecules. <i>New Journal of Chemistry</i> , 2017, 41, 1137-1141.	2.8	17

#	ARTICLE	IF	CITATIONS
27252	A structural insight into mechanical strength of graphene-like carbon and carbon nitride networks. Nanotechnology, 2017, 28, 055707.	2.6	32
27253	Diagnostic and Therapeutic Nuclear Medicine for Neuroendocrine Tumors. , 2017, , .		2
27254	Nanoconfined Ionic Liquids. Chemical Reviews, 2017, 117, 6755-6833.	47.7	499
27255	Quantitative stability analyses of multiwall carbon nanotube nanofluids following water/ice phase change cycling. Nanotechnology, 2017, 28, 055702.	2.6	9
27256	Enhanced field emission properties from carbon nanotube emitters on the nanopatterned substrate. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2017, 35, .	1.2	9
27257	Achievement and assessment of direct electron transfer of glucose oxidase in electrochemical biosensing using carbon nanotubes, graphene, and their nanocomposites. Mikrochimica Acta, 2017, 184, 369-388.	5.0	98
27258	Structural study of TiO ₂ nanotube based to the (101) anatase surface. Superlattices and Microstructures, 2017, 102, 307-313.	3.1	5
27259	Strategic Immobilization of Molecular Catalysts onto Carbon Nanotubes via Noncovalent Interaction for Catalytic Organic Transformations. Israel Journal of Chemistry, 2017, 57, 270-278.	2.3	11
27260	Post-buckling behaviour of carbon-nanotube-reinforced nanocomposite plate. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 129-141.	1.3	4
27261	Interaction mechanisms of antibiotic sulfamethoxazole with various graphene-based materials and multiwall carbon nanotubes and the effect of humic acid in water. Carbon, 2017, 114, 671-678.	10.3	81
27262	Introduction of carbon nano-tubes/graphenes cooperating conductive component into the phosphor to restrain the saturation behavior in low voltage cathodoluminescence. Chemical Physics Letters, 2017, 675, 75-80.	2.6	0
27263	30 years of advances in functionalization of carbon nanomaterials for biomedical applications: a practical review. Journal of Materials Research, 2017, 32, 107-127.	2.6	50
27264	Effect of hydrogenation and curvature of rotor on the rotation transmission of a curved nanobearing. Computational Materials Science, 2017, 127, 295-300.	3.0	6
27265	A new approach for nonlinear buckling analysis of imperfect functionally graded carbon nanotube-reinforced composite plates. Composites Part B: Engineering, 2017, 127, 166-174.	12.0	46
27266	Electrodeposition and characterisation of Cu@MWCNTs nanocomposite coatings. Surface Engineering, 2017, 33, 369-374.	2.2	26
27267	Sulfonated char from waste tire rubber used as strong acid catalyst for biodiesel production. Environmental Progress and Sustainable Energy, 2017, 36, 619-626.	2.3	22
27268	Synthesis and studies of thermal, mechanical and electrical properties of MWCNT-cyclodextrin as a nanoparticle in polyamide matrix based on 2,2-Bis[4-(4-aminophenoxy)phenyl] propane. Polymers for Advanced Technologies, 2017, 28, 779-790.	3.2	9
27269	Hollow carbon spheres and a hollow carbon sphere/polyvinylpyrrolidone composite as ammonia sensors. Journal of Materials Chemistry A, 2017, 5, 2539-2549.	10.3	38

#	ARTICLE	IF	CITATIONS
27270	Nanomaterial-Based Drug Delivery Carriers for Cancer Therapy. SpringerBriefs in Applied Sciences and Technology, 2017, , .	0.4	1
27271	Surface Interaction Between Carbon Patches and Catalyst Nanoparticle as the Key Factor in Aligned Carbon Nanotube Growth Using Alcohol Catalytic CVD. Nano, 2017, 12, 1750012.	1.0	2
27272	MoS ₂ /Carbon Nanotube Core-Shell Nanocomposites for Enhanced Nonlinear Optical Performance. Chemistry - A European Journal, 2017, 23, 3321-3327.	3.3	57
27273	Application of dahlia-like molybdenum disulfide nanosheets for solid phase extraction of Co(II) in vegetable and water samples. Food Chemistry, 2017, 223, 8-15.	8.2	40
27274	The stability and electronic properties of a new allotrope of silicene and silicon nanotube. Superlattices and Microstructures, 2017, 101, 480-487.	3.1	14
27275	DFT study of the role of N- and B-doping on structural, elastic and electronic properties of $\hat{1}\pm$, $\hat{1}^2$ - and $\hat{1}^3$ -graphyne. Carbon, 2017, 114, 301-310.	10.3	71
27276	The growth model and electronic properties of single- and double-walled zigzag silicon nanotubes: Depending on the structures. Chemical Physics, 2017, 483-484, 156-164.	1.9	11
27277	BN-schwarzite: novel boron nitride spongy crystals. Physical Chemistry Chemical Physics, 2017, 19, 1167-1173.	2.8	8
27278	Carbon nanotubes and core-shell rubber nanoparticles modified structural epoxy adhesives. Journal of Materials Science, 2017, 52, 4493-4508.	3.7	37
27279	Nanomaterials for In Vivo Imaging. Chemical Reviews, 2017, 117, 901-986.	47.7	879
27280	Aerospace Application of Polymer Nanocomposite with Carbon Nanotube, Graphite, Graphene Oxide, and Nanoclay. Polymer-Plastics Technology and Engineering, 2017, 56, 1438-1456.	1.9	96
27281	Critical behavior in the presence of an order-parameter pinning field. Physical Review B, 2017, 95, .	3.2	15
27282	How cutting-edge technologies impact the design of electrochemical (bio)sensors for environmental analysis. A review. Analytica Chimica Acta, 2017, 959, 15-42.	5.4	133
27283	Space experiments on basic technologies for a space elevator using microsatellites. Acta Astronautica, 2017, 138, 570-578.	3.2	12
27284	Electronic transport properties of carbon and boron nitride chain heterojunctions. Journal of Materials Chemistry C, 2017, 5, 1165-1178.	5.5	17
27285	Effective enhancement of gas separation performance in mixed matrix membranes using core/shell structured multi-walled carbon nanotube/graphene oxide nanoribbons. Nanotechnology, 2017, 28, 065702.	2.6	40
27286	Methods for the detection and determination of nitrite and nitrate: A review. Talanta, 2017, 165, 709-720.	5.5	336
27287	Silicon and germanium nanowire electronics: physics of conventional and unconventional transistors. Reports on Progress in Physics, 2017, 80, 066502.	20.1	59

#	ARTICLE	IF	CITATIONS
27288	Malachite green – cationic dye – and its removal from aqueous solution by adsorption. <i>Applied Water Science</i> , 2017, 7, 3407-3445.	5.6	180
27289	Quantitative evaluation of multi-wall carbon nanotube uptake by terrestrial plants. <i>Carbon</i> , 2017, 114, 661-670.	10.3	66
27290	Incorporating Pyrrolic and Pyridinic Nitrogen into a Porous Carbon made from C ₆₀ Molecules to Obtain Superior Energy Storage. <i>Advanced Materials</i> , 2017, 29, 1603414.	21.0	175
27291	Optimization of processing parameters of medium density fiberboard using response surface methodology for multiwalled carbon nanotubes as a nanofiller. <i>European Journal of Wood and Wood Products</i> , 2017, 75, 203-213.	2.9	13
27292	In Vitro Cellular Gene Delivery Employing a Novel Composite Material of Single-Walled Carbon Nanotubes Associated With Designed Peptides With Pegylation. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 792-802.	3.3	5
27293	Towards highly stable aqueous dispersions of multi-walled carbon nanotubes: the effect of oxygen plasma functionalization. <i>Journal of Colloid and Interface Science</i> , 2017, 491, 255-264.	9.4	66
27294	Rapid multiplug filtration cleanup method for the determination of 124 pesticide residues in rice, wheat, and corn. <i>Journal of Separation Science</i> , 2017, 40, 878-884.	2.5	17
27295	Isogeometric analysis of the effect of CNT orientation on the static and vibration behaviors of CNT-reinforced skew composite plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 317, 341-379.	6.6	42
27296	Nanosponge cyclodextrin polyurethanes and their modification with nanomaterials for the removal of pollutants from waste water: A review. <i>Carbohydrate Polymers</i> , 2017, 159, 94-107.	10.2	149
27297	Warped C ₈₀ H ₃₀ nanographene as a chemical sensor for CO gas: DFT studies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 646-651.	2.1	51
27298	Vapor – Solid Nanotube Growth via Sidewall Epitaxy in an Environmental Transmission Electron Microscope. <i>Crystal Growth and Design</i> , 2017, 17, 11-15.	3.0	8
27299	Evaluation of chemical modification effects on DNA plasmid transfection efficiency of single-walled carbon nanotube – succinate – polyethylenimine conjugates as non-viral gene carriers. <i>MedChemComm</i> , 2017, 8, 364-375.	3.4	28
27300	Capturing Gases in Carbon Honeycomb. <i>Journal of Low Temperature Physics</i> , 2017, 187, 90-104.	1.4	19
27301	Aluminum nitride nanotubes. <i>Chemical Papers</i> , 2017, 71, 881-893.	2.2	51
27302	Breaking surface states causes transformation from metallic to semi-conducting behavior in carbon foam nanowires. <i>Carbon</i> , 2017, 111, 867-877.	10.3	20
27303	In situ Raman spectroelectrochemical study of potential-induced molecular encapsulation of β^2 -carotene inside single-walled carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 800, 156-161.	3.8	6
27304	Gas sensing at the nanoscale: engineering SWCNT-ITO nano-heterojunctions for the selective detection of NH ₃ and NO ₂ target molecules. <i>Nanotechnology</i> , 2017, 28, 035502.	2.6	19
27305	Nanomaterial-Based Drug Delivery Carriers for Cancer Therapy. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2017, , 15-54.	0.4	1

#	ARTICLE	IF	CITATIONS
27306	Increased solubility and fiber spinning of graphenide dispersions aided by crown-ethers. Chemical Communications, 2017, 53, 1498-1501.	4.1	6
27307	Isogeometric approach for buckling analysis of CNT-reinforced composite skew plates under optimal CNT-orientation. Composite Structures, 2017, 163, 365-384.	5.8	47
27308	Photodeposition of SWCNTs onto the optical fiber end to assemble a Q-switched Er ³⁺ -doped fiber laser. Optics and Laser Technology, 2017, 91, 32-35.	4.6	7
27309	Attachment of Colloidal Nanoparticles to Boron Nitride Nanotubes. Chemistry of Materials, 2017, 29, 726-734.	6.7	12
27310	Coral Reef-Like Carbon Nanomaterial: Synthesis, Characterization and Mechanism Study. ChemistrySelect, 2017, 2, 9792-9796.	1.5	0
27311	Mechanical property behavior and aging mechanism of carbon-black-filled EPDM rubber reinforced by carbon nano-tubes subjected to electro-chemical and thermal degradation. Journal of Mechanical Science and Technology, 2017, 31, 4073-4078.	1.5	9
27312	CNT-Based and MSN-Based Organic/Inorganic Hybrid Nanocomposites for Biomedical Applications. ACS Symposium Series, 2017, , 169-192.	0.5	5
27313	One-step growth of multilayer-graphene hollow nanospheres via the self-elimination of SiC nuclei templates. Scientific Reports, 2017, 7, 13774.	3.3	6
27314	MF-4SC hybrid membranes doped with carbon nanotubes functionalized with proton-acceptor groups. Nanotechnologies in Russia, 2017, 12, 236-242.	0.7	4
27315	Methods for Introducing Inorganic Polymer Concepts throughout the Undergraduate Curriculum. Journal of Chemical Education, 2017, 94, 1674-1681.	2.3	1
27316	Enhanced electrochemical performance of amorphous carbon nanotube-manganese-di-oxide-poly-pyrrole ternary nanohybrid. Solid State Sciences, 2017, 74, 101-108.	3.2	9
27317	Dependence of Specific Heat on the Chirality and Diameter of Single-Walled Carbon Nanotubes. Iranian Journal of Science and Technology, Transaction A: Science, 2017, 41, 557-562.	1.5	3
27318	Comparative study on the performance of carbon nanotubes prepared from agro- and xerogels as carbon supports. Journal of Analytical and Applied Pyrolysis, 2017, 128, 114-120.	5.5	31
27319	Synthesis of gold nanoparticles on multi-walled carbon nanotubes (Au-MWCNTs) via deposition precipitation method. AIP Conference Proceedings, 2017, , .	0.4	9
27320	Carbon-Nanotube Geometries as Optimal Configurations. Multiscale Modeling and Simulation, 2017, 15, 1448-1471.	1.6	8
27321	Near infrared photoluminescence modulation by defect site design using aryl isomers in locally functionalized single-walled carbon nanotubes. Chemical Communications, 2017, 53, 12544-12547.	4.1	38
27322	Growth of Carbon Nanotubes on Electrospun Cellulose Fibers for High Performance Supercapacitors. Journal of the Electrochemical Society, 2017, 164, A3220-A3228.	2.9	25
27323	Amperometric Sensors Based on Carbon Nanotubes in Layer-by-Layer Films. Springer Series on Chemical Sensors and Biosensors, 2017, , 239-259.	0.5	1

#	ARTICLE	IF	CITATIONS
27324	Characterization of solution casting derived carbon nanotube reinforced poly(vinyl alcohol) thin films. <i>International Journal of Plastics Technology</i> , 2017, 21, 338-350.	3.1	5
27325	MWCNTs based sorbents for nuclear waste management: A review. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5099-5114.	6.7	49
27326	Review on peculiar issues of field emission in vacuum nanoelectronic devices. <i>Solid-State Electronics</i> , 2017, 138, 3-15.	1.4	14
27327	Nonlinear thermal and flow-induced vibration analysis of fluid-conveying carbon nanotube resting on Winkler and Pasternak foundations. <i>Thermal Science and Engineering Progress</i> , 2017, 4, 133-149.	2.7	16
27330	Synthesis of carbon nanotubes using green plant extract as catalyst: unconventional concept and its realization. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 557-566.	3.1	65
27331	Multiscale modeling of carbon nanotube reinforced concrete. <i>Composite Structures</i> , 2017, 182, 251-260.	5.8	30
27332	The role of carbon nanotubes in promoting the properties of carbon black-filled natural rubber/butadiene rubber composites. <i>Results in Physics</i> , 2017, 7, 4352-4358.	4.1	33
27333	Adsorption of small gas molecules on pure and Al-doped graphene sheet: a quantum mechanical study. <i>Bulletin of Materials Science</i> , 2017, 40, 1263-1271.	1.7	21
27334	Modified multi-wall carbon nanotubes as metal free catalyst for application in H ₂ production from methanolysis of NaBH ₄ . <i>Journal of Power Sources</i> , 2017, 366, 178-184.	7.8	57
27335	From planar boron clusters to borophenes and metalloborophenes. <i>Nature Reviews Chemistry</i> , 2017, 1, .	30.2	169
27336	Semi-conducting single-walled carbon nanotubes are detrimental when compared to metallic single-walled carbon nanotubes for electrochemical applications. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 27320-27325.	2.8	8
27337	Effect of organic solvents on the properties of DWCNT/PEDOT:PSS transparent conductive films. <i>Materials Research Express</i> , 2017, 4, 105504.	1.6	4
27338	Characterization Analysis According to Growth Temperature of Carbon Nanowall on Metal Coated Substrate for Electrode Application of Energy Storage. <i>Materials Science Forum</i> , 2017, 904, 115-119.	0.3	0
27339	Microstructure evolution and mechanical properties of carbon nanotubes reinforced Al matrix composites. <i>Materials Characterization</i> , 2017, 133, 122-132.	4.4	62
27340	Buckling Behavior of Carbon Nanotubes Functionalized with Carbene under Physical Adsorption of Polymer Chains: a Molecular Dynamics Study. <i>Brazilian Journal of Physics</i> , 2017, 47, 606-616.	1.4	6
27341	Mechanical properties and reinforcing mechanisms of cementitious composites with different types of multiwalled carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 103, 131-147.	7.6	120
27342	DFT investigation of the interaction between single-walled carbon nanotubes and fluorene-based conjugated oligomers. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28071-28082.	2.8	7
27343	Antioxidant activity of omega-3 derivatives and their delivery via nanocages and nanocones: DFT and experimental in vivo investigation. <i>Journal of Molecular Modeling</i> , 2017, 23, 326.	1.8	8

#	ARTICLE	IF	CITATIONS
27344	Carbon nanotubes-based drug delivery to cancer and brain. Current Medical Science, 2017, 37, 635-641.	1.8	69
27345	Experimental dynamic analysis of polymer-based nanocomposite beams under low-velocity impact loading. Iranian Polymer Journal (English Edition), 2017, 26, 929-940.	2.4	6
27346	Chromium carbide/Carbon Nanotube Hybrid Structure Assisted Copper Composites with Low Temperature Coefficient of Resistance. Scientific Reports, 2017, 7, 14943.	3.3	13
27347	Interfacial characteristics of hybrid nanocomposite under thermomechanical loading. Journal of the Mechanical Behavior of Materials, 2017, 26, 95-103.	1.8	10
27348	Polymer and ceramic nanocomposites for aerospace applications. Applied Nanoscience (Switzerland), 2017, 7, 519-548.	3.1	160
27349	Synthesis of multicolor photoluminescent carbon quantum dots functionalized with hydrocarbons of different chain lengths. New Carbon Materials, 2017, 32, 327-337.	6.1	28
27350	Exceptionally high performance of charged carbon nanotube arrays for CO2 separation from flue gas. Carbon, 2017, 125, 245-257.	10.3	17
27351	Effect of nanofiller geometry on the energy absorption capability of coiled carbon nanotube composite material. Composites Science and Technology, 2017, 153, 222-231.	7.8	27
27352	Absorption and Reflectance Spectra of Microwave Radiation by an Epoxy Resin Composite with Multi-Walled Carbon Nanotubes. Journal of Applied Spectroscopy, 2017, 84, 596-602.	0.7	5
27353	Dynamic encapsulation of corannulene molecules into a single-walled carbon nanotube. Physical Chemistry Chemical Physics, 2017, 19, 27704-27715.	2.8	7
27354	Transverse Vibration of Tapered Single-Walled Carbon Nanotubes Embedded in Viscoelastic Medium. Brazilian Journal of Physics, 2017, 47, 657-671.	1.4	0
27355	A Formal Definition for Nanorobots and Nanonetworks. Lecture Notes in Computer Science, 2017, , 214-226.	1.3	7
27356	Enhancement of formaldehyde removal by activated carbon fiber via in situ growth of carbon nanotubes. Building and Environment, 2017, 126, 27-33.	6.9	55
27357	High-efficiency dispersion and sorting of single-walled carbon nanotubes <i>via</i> non-covalent interactions. Journal of Materials Chemistry C, 2017, 5, 11339-11368.	5.5	46
27358	Facile and tailored synthesis of ultrahigh-surface-area clews of carbon nanobelts for high-rate lithium-sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 23209-23220.	10.3	24
27359	High-Performance Silicone Rubber Composites via Non-Covalent Functionalization of Carbon Nanotubes. Journal of Macromolecular Science - Physics, 2017, 56, 790-799.	1.0	3
27360	Remedial Role of Nanocomposite as Photocatalysts, Adsorbents, and Disinfectants in Aqueous System and Their Biomedical Applications. , 2017, , 371-401.		2
27361	An exact solution for the free-vibration analysis of functionally graded carbon-nanotube-reinforced composite beams with arbitrary boundary conditions. Scientific Reports, 2017, 7, 12909.	3.3	33

#	ARTICLE	IF	CITATIONS
27362	Elastic properties of noncarbon nanotubes as compared to carbon nanotubes. Physical Review B, 2017, 96, .	3.2	26
27363	Far-red fluorescent carbon nano-onions as a biocompatible platform for cellular imaging. RSC Advances, 2017, 7, 45676-45681.	3.6	50
27364	Recent Developments in Solid-phase Microextraction Coatings for Environmental and Biological Analysis. Chemistry Letters, 2017, 46, 1444-1455.	1.3	31
27365	Solvation of Carbon Nanoparticles in Water/Alcohol Mixtures: Using Molecular Simulation To Probe Energetics, Structure, and Dynamics. Journal of Physical Chemistry C, 2017, 121, 22926-22938.	3.1	14
27366	Effects of ply-orientation on microstructure and properties of super-aligned carbon nanotube reinforced copper laminar composites. Transactions of Nonferrous Metals Society of China, 2017, 27, 1747-1758.	4.2	7
27367	Magnetized carbon nanotubes for visual detection of proteins directly in whole blood. Analytica Chimica Acta, 2017, 993, 79-86.	5.4	31
27368	Hierarchical-structure induced adjustable deformation of super carbon nanotubes with radial shrinkage up to 66%. Carbon, 2017, 125, 289-298.	10.3	7
27369	Two-dimensional and three-dimensional hybrid assemblies based on graphene oxide and other layered structures: A carbon science perspective. Carbon, 2017, 125, 437-453.	10.3	21
27370	High electrical conductivity and oxygen barrier property of polymer-stabilized graphene thin films. Carbon, 2017, 125, 492-499.	10.3	17
27371	Electrical, morphological and thermal properties of microinjection molded polyamide 6/multi-walled carbon nanotubes nanocomposites. Composites Part A: Applied Science and Manufacturing, 2017, 103, 84-95.	7.6	20
27372	Electronic structures and stabilities of the defective nanotube-like fullerenes C _{58+10n} and their derivatives C _{58+10n} Cl ₈ . Computational and Theoretical Chemistry, 2017, 1119, 45-50.	2.5	0
27373	Effect addition of graphene on electrical conductivity and tensile strength for Recycled electric power transmission wires. Energy Procedia, 2017, 119, 121-130.	1.8	25
27374	Magnetics and spintronics on two-dimensional composite materials of graphene/hexagonal boron nitride. Materials Today Physics, 2017, 3, 93-117.	6.0	56
27375	DFT Studies of Graphene-Functionalised Derivatives of Capecitabine. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 72, 1131-1138.	1.5	11
27376	Metal fluoride nanotubes featuring square-planar building blocks in a high-pressure polymorph of AgF ₂ . Dalton Transactions, 2017, 46, 14742-14745.	3.3	20
27377	Bulk assembly of organic metal halide nanotubes. Chemical Science, 2017, 8, 8400-8404.	7.4	76
27378	An Experimental Investigation of the Refrigerant Adsorption Performance of Carbon Nanotube-Activated Carbon Mixtures. International Journal of Air-Conditioning and Refrigeration, 2017, 25, 1750017.	0.7	2
27379	Modified Cathodes with Carbon-Based Nanomaterials for Electro-Fenton Process. Handbook of Environmental Chemistry, 2017, , 111-143.	0.4	4

#	ARTICLE	IF	CITATIONS
27380	Electrodeposition of polypyrrole/functionalized-multiwalled carbon nanotubes composite and its application in supercapacitors. <i>Electrochimica Acta</i> , 2017, 258, 43-50.	5.2	18
27381	Influential factors on thermoacoustic efficiency of multilayered graphene film loudspeakers for optimal design. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	15
27382	Quantum yield in polymer wrapped single walled carbon nanotubes: a computational model. <i>Nanotechnology</i> , 2017, 28, 465204.	2.6	3
27383	Past and future of graphene/silicon heterojunction solar cells: a review. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10701-10714.	5.5	48
27384	Carbon nanotube synthesis via the catalytic chemical vapor deposition of methane in the presence of iron, molybdenum, and iron–molybdenum alloy thin layer catalysts. <i>Results in Physics</i> , 2017, 7, 3826-3837.	4.1	63
27385	High Performance Fibers from Carbon Nanotubes: Synthesis, Characterization, and Applications in Composites—A Review. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12407-12437.	3.7	74
27386	Electrical Properties of Conducting Polymer-MWCNT Binary and Hybrid Nanocomposites. , 2017, , 127-143.		2
27387	High efficiency carbon nanotube thread antennas. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	29
27388	Optimization of cooling devices used in laser ablation setups for carbon nanotube synthesis. <i>Journal of Laser Applications</i> , 2017, 29, 042004.	1.7	0
27389	Graphene nanoscrolls fabricated by ultrasonication of electrochemically exfoliated graphene. <i>Nano Structures Nano Objects</i> , 2017, 12, 77-83.	3.5	17
27390	Self-assembly of a parallelogram black phosphorus ribbon into a nanotube. <i>Scientific Reports</i> , 2017, 7, 12951.	3.3	11
27391	Linear strain sensor made of multi-walled carbon nanotube/epoxy composite. <i>Materials Research Express</i> , 2017, 4, 115008.	1.6	16
27393	Tailored MoS ₂ nanorods: a simple microwave assisted synthesis. <i>Materials Research Express</i> , 2017, 4, 115012.	1.6	25
27394	A Density Functional Theory Study of New Boron Nanotubes. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2017, 72, 1145-1150.	1.5	1
27396	Free axial vibration of nanorods with elastic medium interaction based on nonlocal elasticity and Rayleigh model. <i>Mechanics Research Communications</i> , 2017, 86, 1-4.	1.8	18
27397	Toward High-Throughput Computational Screening of Carbon Nanotube Solvents. <i>Langmuir</i> , 2017, 33, 12267-12275.	3.5	6
27398	High density oxidative plasma unzipping of multiwall carbon nanotubes. <i>RSC Advances</i> , 2017, 7, 48268-48274.	3.6	10
27399	Taguchi analysis of parameters for small-diameter single wall carbon nanotube growth. <i>AIP Advances</i> , 2017, 7, 095301.	1.3	2

#	ARTICLE	IF	CITATIONS
27401	Carbon nanotubes / activated carbon fiber based air filter media for simultaneous removal of particulate matter and ozone. Building and Environment, 2017, 125, 60-66.	6.9	60
27402	Carbonaceous-TiO ₂ nanomaterials for photocatalytic degradation of pollutants: A review. Ceramics International, 2017, 43, 14552-14571.	4.8	288
27403	Counter electrodes in dye-sensitized solar cells. Chemical Society Reviews, 2017, 46, 5975-6023.	38.1	609
27404	Catalytic CVD synthesis of boron nitride and carbon nanomaterials – synergies between experiment and theory. Physical Chemistry Chemical Physics, 2017, 19, 26466-26494.	2.8	24
27405	Effects of aligned magnetic field and CNTs in two different base fluids over a moving slip surface. Journal of Molecular Liquids, 2017, 243, 682-688.	4.9	61
27406	Formation of Highly Pure and Patterned Carbon Nanotube Films on a Variety of Substrates by a Wet Process Based on Light-Induced Dispersibility Switching. ACS Applied Materials & Interfaces, 2017, 9, 30805-30811.	8.0	9
27407	A novel multi-walled carbon nanotube-based antibody conjugate for quantitative and semi-quantitative lateral flow assays. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1874-1882.	1.3	23
27408	Zinc oxide nanoparticles: Synthesis, antiseptic activity and toxicity mechanism. Advances in Colloid and Interface Science, 2017, 249, 37-52.	14.7	468
27409	The effect of chitin nanocrystal on the structural transition of shish-kebab to fibrillar crystals of ultra-high molecular weight polyethylene/chitin nanocrystal fibers during hot-stretching process. European Polymer Journal, 2017, 96, 463-473.	5.4	17
27410	A molecular dynamics approach of the role of carbon nanotube diameter on thermal interfacial resistance through vibrational mismatch analysis. International Journal of Thermal Sciences, 2017, 122, 33-38.	4.9	10
27411	Growing micropatterned CNT arrays on aluminum substrates using hot-filament CVD process. Materials Letters, 2017, 209, 376-378.	2.6	11
27412	Combining density functional theory-finite element multi-scale method to predict mechanical properties of polypropylene/graphene nanocomposites: Experimental study. Materials Chemistry and Physics, 2017, 201, 214-223.	4.0	31
27413	Free vibration analysis of dissimilar connected CNTs with atomic imperfections and different locations of connecting region. Physica B: Condensed Matter, 2017, 524, 34-46.	2.7	9
27414	Carbon nanotubes of oil fly ash integrated with ultrathin CuO nanosheets as effective lubricant additives. Diamond and Related Materials, 2017, 78, 97-104.	3.9	20
27415	Carbon nanotubes of oil fly ash as lubricant additives for different base oils and their tribology performance. RSC Advances, 2017, 7, 40295-40302.	3.6	46
27416	Remarkable reduction of thermal conductivity in graphyne nanotubes by local resonance. Journal Physics D: Applied Physics, 2017, 50, 345301.	2.8	8
27417	Adhesives with Nanoparticles. , 2017, , 1-27.		0
27418	Solid-phase extraction of DNA by using a composite prepared from multiwalled carbon nanotubes, chitosan, Fe ₃ O ₄ and a poly(ethylene glycol)-based deep eutectic solvent. Mikrochimica Acta, 2017, 184, 4133-4140.	5.0	30

#	ARTICLE	IF	CITATIONS
27419	Hydrogen bonding and transportation properties of water confined in the single-walled carbon nanotube in the pulse-field. Chemical Physics Letters, 2017, 686, 173-177.	2.6	10
27420	CNTs/Cu composites fabricated by ball mixing and spark plasma sintering. AIP Conference Proceedings, 2017, , .	0.4	2
27421	Carbon Fibers and Their Thermal Transporting Properties. , 2017, , 135-184.		8
27422	Thermal Conductivity of Diamond Nanothread. , 2017, , 185-204.		4
27423	Multiwalled carbon nanotube-based patch antenna for bandwidth enhancement. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 224, 56-60.	3.5	19
27424	Impact of carbon nanotube geometrical volume on nonlinear absorption and scattering properties. Optical Materials, 2017, 73, 306-311.	3.6	7
27425	Hydroxyl-Group-Dominated Graphite Dots Reshape Laser Desorption/Ionization Mass Spectrometry for Small Biomolecular Analysis and Imaging. ACS Nano, 2017, 11, 9500-9513.	14.6	79
27426	New Application of Old Material: Chinese Traditional Ink for Photothermal Therapy of Metastatic Lymph Nodes. ACS Omega, 2017, 2, 5170-5178.	3.5	26
27427	Supercapacitive performance of porous carbon materials derived from tree leaves. Journal of Renewable and Sustainable Energy, 2017, 9, .	2.0	26
27428	A simplified-nonlocal model for transverse vibration of nanotubes acted upon by a moving nanoparticle. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4929-4941.	1.6	13
27429	Synthesis and characterization of graphene nanoplatelets reinforced AA7068 matrix nanocomposites produced by liquid metallurgy route. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 706, 71-82.	5.6	56
27430	One-step detonation-assisted synthesis of $\text{Fe}_{3\text{O}_{4\text{O}}}$ -Fe@BCNT composite towards high performance lithium-ion batteries. Nanoscale, 2017, 9, 14376-14384.	5.6	21
27431	Theoretical Study of Effective Parameters in Catalytic Growth of Carbon Nanotubes. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700101.	1.8	2
27432	Porous graphene and graphenylene nanotubes: Electronic structure and strain effects. Computational Materials Science, 2017, 140, 344-355.	3.0	10
27433	Modeling of Joule Heating Induced Effects in Multiwall Carbon Nanotube Interconnects. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2017, 25, 3089-3098.	3.1	8
27434	Uncertain Buckling and Sensitivity Analysis of Functionally Graded Carbon Nanotube-Reinforced Composite Beam. International Journal of Applied Mechanics, 2017, 09, 1750071.	2.2	23
27435	Computational prediction of a simple cubic carbon allotrope consisting of C12 clusters. Journal of Chemical Physics, 2017, 147, 064512.	3.0	6
27436	A review on inkjet printing of CNT composites for smart applications. Applied Materials Today, 2017, 9, 372-386.	4.3	146

#	ARTICLE	IF	CITATIONS
27437	Adsorption and Diffusion of Fluids in Defective Carbon Nanotubes: Insights from Molecular Simulations. Langmuir, 2017, 33, 11834-11844.	3.5	9
27438	Design and Fabrication of Nanomaterial-Based Device for Pressure Sensorial Applications. , 2017, , 1-14.		0
27439	Optical and gas sensing properties of SnO ₂ nanowires grown by vapor-liquid-solid mechanism. Journal of Materials Science: Materials in Electronics, 2017, 28, 17993-18002.	2.2	5
27440	Fabrication of piezoresistive based pressure sensor via purified and functionalized CNTs/PDMS nanocomposite: Toward development of haptic sensors. Sensors and Actuators A: Physical, 2017, 266, 158-165.	4.1	31
27441	Vibrational Characterization of Two-Dimensional Graphdiyne Sheets. Journal of Physical Chemistry C, 2017, 121, 21430-21438.	3.1	16
27442	Development of Integrated Dry-Wet Synthesis Method for Metal Encapsulating Silicon Cage Superatoms of M@Si ₁₆ (M = Ti and Ta). Journal of Physical Chemistry C, 2017, 121, 20507-20516.	3.1	57
27443	BNC nanoshells: a novel structure for atomic storage. Nanotechnology, 2017, 28, 465201.	2.6	3
27444	A cyano-bridged coordination nanotube showing field-induced slow magnetic relaxation. CrystEngComm, 2017, 19, 5707-5711.	2.6	29
27446	Effect of Longitudinal Magnetic Field on Vibration Characteristics of Single-Walled Carbon Nanotubes in a Viscoelastic Medium. Brazilian Journal of Physics, 2017, 47, 640-656.	1.4	6
27447	Catalysts Encapsulated in Nanostructured Carbon Systems. , 2017, , 71-122.		1
27448	Nanoindentation and wear behaviour of copper based hybrid composites reinforced with SiC and MWCNTs synthesized by spark plasma sintering. Vacuum, 2017, 145, 320-333.	3.5	48
27449	Structural Modifications of PMMA and PMMA/CNT Matrix by Swift Heavy Ions Irradiation. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012093.	0.6	4
27450	Isothermal crystallization kinetics of polypropylene in melt-mixed composites of polypropylene and multi-walled carbon nanotubes. Polymer Engineering and Science, 2017, 57, 1136-1146.	3.1	7
27451	Plants and Carbon Nanotubes (CNTs) Interface: Present Status and Future Prospects. , 2017, , 317-340.		12
27452	The influence of N-doping types for carbon nanotube reinforced epoxy composites: A combined experimental study and molecular dynamics simulation. Composites Part A: Applied Science and Manufacturing, 2017, 103, 17-24.	7.6	25
27453	Unveiling Adsorption Mechanisms of Organic Pollutants onto Carbon Nanomaterials by Density Functional Theory Computations and Linear Free Energy Relationship Modeling. Environmental Science & Technology, 2017, 51, 11820-11828.	10.0	38
27454	Analytical solutions for thermal vibration of nanobeams with elastic boundary conditions. Acta Mechanica Sinica, 2017, 30, 474-483.	1.9	15
27455	Direct measurements of the mechanical strength of carbon nanotube - Aluminum interfaces. Carbon, 2017, 125, 93-102.	10.3	36

#	ARTICLE	IF	CITATIONS
27456	“Synthesis-on” and “synthesis-off” modes of carbon arc operation during synthesis of carbon nanotubes. Carbon, 2017, 125, 336-343.	10.3	26
27457	Endohedral metallofullerenes (M@C60) as efficient catalysts for highly active hydrogen evolution reaction. Journal of Catalysis, 2017, 354, 231-235.	6.2	84
27458	Fiber yarns/CNT hierarchical structures as thermoelectric generators. Materials Today: Proceedings, 2017, 4, 7070-7075.	1.8	20
27459	Effect of Ionic Strength on the Bundling of Metal Oxide Imogolite Nanotubes. Journal of Physical Chemistry C, 2017, 121, 21740-21749.	3.1	21
27460	Combining scanning microscopy and robotics: Automated analysis and manipulation on the small scale. , 2017, , .		1
27461	Graphene Electrodes as Barrier-Free Contacts for Carbon Nanotube Field-Effect Transistors. IEEE Transactions on Electron Devices, 2017, 64, 4335-4339.	3.0	17
27462	Synergetic Metals on Carbocatalyst Shungite. Chemistry - A European Journal, 2017, 23, 18232-18238.	3.3	12
27463	Electron beam irradiation induced multi-walled carbon nanotubes fusion. , 2017, , .		0
27464	Mechanical Properties of Carbon Nanotubes Reinforced AZ91 Composites by Enhanced Interfacial Bonding. Materials Science Forum, 2017, 894, 38-41.	0.3	1
27465	A semi-analytical solution for in-plane free vibration analysis of functionally graded carbon nanotube reinforced composite circular arches with elastic restraints. Composite Structures, 2017, 182, 420-434.	5.8	33
27466	Enhanced Carbon Nanotubes Growth Using Nickel/Ferrocene-Hybridized Catalyst. ACS Omega, 2017, 2, 6063-6071.	3.5	21
27467	Negative differential thermal resistance in deformed carbon nanotubes. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 053209.	2.3	4
27468	Electronic structure and charge transport properties of atomic carbon wires. Physical Chemistry Chemical Physics, 2017, 19, 26890-26897.	2.8	21
27469	Density functional theory study on structural and mechanical properties of graphene, T-graphene, and R-graphyne. Theoretical Chemistry Accounts, 2017, 136, 1.	1.4	50
27470	A comparative theoretical study on the electrical and nonlinear optical properties of Li atom adsorbed on AlN and BN single-walled nanotubes. Journal of Molecular Modeling, 2017, 23, 286.	1.8	9
27471	Carbon Nanotubes and Related Nanohybrids Incorporating Inorganic Transition Metal Compounds and Radioactive Species as Synthetic Scaffolds for Nanomedicine Design. , 2017, , 245-327.		9
27472	Preparation and properties of a novel carbon nanotubes/poly(vinyl alcohol)/epidermal growth factor composite biological dressing. Experimental and Therapeutic Medicine, 2017, 14, 2341-2348.	1.8	19
27473	Electrocatalytic Water Oxidation by MnO ₂ /C: In Situ Catalyst Formation, Carbon Substrate Variations, and Direct O ₂ /CO ₂ Monitoring by Membrane-Inlet Mass Spectrometry. ChemSusChem, 2017, 10, 4491-4502.	6.8	26

#	ARTICLE	IF	CITATIONS
27474	Carbon nanotubes in microfluidic lab-on-a-chip technology: current trends and future perspectives. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	36
27475	Facile preparation of Cu ₃ BiS ₃ nanorods film through a solution dip-coating process. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 17772-17777.	2.2	4
27476	Supramolecular Electronic Interactions in Porphyrinâ€“SWCNT Hybrids through Amidiniumâ€“Carboxylate Connectivity. <i>Organic Letters</i> , 2017, 19, 4810-4813.	4.6	6
27477	CNFET Based Voltage Differencing Transconductance Amplifier. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 225, 012253.	0.6	1
27478	Fabrication and mechanical properties of CNTs/Mg composites prepared by combining friction stir processing and ultrasonic assisted extrusion. <i>Journal of Alloys and Compounds</i> , 2017, 728, 282-288.	5.5	75
27479	Physicomechanical properties of spark plasma sintered carbon nanotube-containing ceramic matrix nanocomposites. <i>Nanoscale</i> , 2017, 9, 12779-12820.	5.6	34
27480	The tunable effect of nitrogen and boron dopants on a single walled carbon nanotube support on the catalytic properties of a single gold atom catalyst: a first principles study of CO oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16653-16662.	10.3	58
27481	Recent applications of nanomaterials in capillary electrophoresis. <i>Electrophoresis</i> , 2017, 38, 2431-2446.	2.4	22
27482	Effect of carbon nanotubes (CNTs) on the properties of traditional cementitious materials. <i>Construction and Building Materials</i> , 2017, 153, 81-101.	7.2	103
27483	Spectrum of Temperature-Dependent Rotational Frequency of the Rotor in a Thermally Driven Rotary Nanomotor. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16985-16995.	3.1	12
27484	Effects of atomic vacancies and temperature on the tensile properties of single-walled MoS ₂ nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19948-19958.	2.8	15
27486	Carbon allotropes as sensors for environmental monitoring. <i>Current Opinion in Electrochemistry</i> , 2017, 3, 106-113.	4.8	48
27487	A review of dispersion of nanoparticles in cementitious matrices: Nanoparticle geometry perspective. <i>Construction and Building Materials</i> , 2017, 153, 346-357.	7.2	133
27488	Using natural cotton fibers to synthesize carbon nanotubes and electromagnetic wave absorption properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 224, 61-68.	3.5	3
27489	Structure of graphite-like BC ₂ layer in Sc ₂ B _{1.1} C _{3.2} : An intermediate between BC and BC ₃ . <i>Journal of Solid State Chemistry</i> , 2017, 254, 144-149.	2.9	3
27490	Structural, electronic and magnetic properties of Fe, Co, Ni monatomic nanochains encapsulated in armchair LiF nanotubes. <i>Materials Science-Poland</i> , 2017, 35, 283-290.	1.0	1
27491	Iron-Oxide-Filled Carbon Nanotubes. , 2017, , 293-313.		1
27492	Optimization of multiwalled carbon nanotubes reinforced hollowâ€“fiber solidâ€“liquidâ€“phase microextraction for the determination of polycyclic aromatic hydrocarbons in environmental water samples using experimental design. <i>Journal of Separation Science</i> , 2017, 40, 3497-3505.	2.5	7

#	ARTICLE	IF	CITATIONS
27493	Effects of aspect ratio of multi-walled carbon nanotubes on coal washery waste water treatment. Journal of Environmental Management, 2017, 202, 84-93.	7.8	18
27494	Fabrication of an ideal nanoring from a black phosphorus nanoribbon upon movable bundling carbon nanotubes. Nanotechnology, 2017, 28, 385603.	2.6	9
27495	Physical Unclonable Functions Based on Carbon Nanotube FETs. , 2017, , .		10
27496	Control of large amplitude vibrations of doubly curved sandwich shells composed of fuzzy fiber reinforced composite facings. Aerospace Science and Technology, 2017, 70, 10-28.	4.8	39
27497	4. Smart Capsules for Lead Removal from Industrial Wastewater. , 2017, 17, 61-78.		4
27498	Free Form Growth of Carbon Nanotube Microarchitectures on Stainless Steel Controlled via Laser-Induced Catalyst Formation. Advanced Materials Interfaces, 2017, 4, 1700508.	3.7	5
27499	Self-templating faceted and spongy single-crystal ZnO nanorods: Resistive switching and enhanced piezoresponse. Materials and Design, 2017, 133, 54-61.	7.0	16
27500	Theoretical Study of CN Radicals Chemisorption on the Electronic Properties of BC ₂ N Nanotube. Journal of Nano Research, 0, 48, 38-48.	0.8	2
27501	Electrokinetic Behavior of Multiwalled Carbon Nanotubes/Poly-L-lysine Modified Electrodes in Sodium Dodecylsulfate Bicontinuous Microemulsions. International Journal of Chemical Kinetics, 2017, 49, 596-601.	1.6	5
27502	Learning from nacre: Constructing polymer nanocomposites. Composites Science and Technology, 2017, 150, 141-166.	7.8	72
27503	Capillary electrophoresis and nanomaterials – Part I: Capillary electrophoresis of nanomaterials. Electrophoresis, 2017, 38, 2389-2404.	2.4	27
27504	Dispersion of single-walled carbon nanotubes using nucleobase-containing poly(acrylamide) polymers. Journal of Polymer Science Part A, 2017, 55, 2611-2617.	2.3	7
27505	Theoretical and Experimental in vivo Study of Antioxidant Activity of Crocin in Order to Propose Novel Derivatives with Higher Antioxidant Activity and Their Delivery via Nanotubes and Nanocones. Inflammation, 2017, 40, 1794-1802.	3.8	8
27506	Transformation from FeS/Fe ₃ C nanoparticles encased S, N dual doped carbon nanotubes to nanosheets for enhanced oxygen reduction performance. Carbon, 2017, 123, 135-144.	10.3	26
27507	Low-Dimensional Carbon Allotropes: Ground- and Excited-State Charge Transfer with NIR-Absorbing Heptamethine Cyanine. Chem, 2017, 3, 164-173.	11.7	18
27508	One- and two-dimensional carbon nanostructures based on unfolded buckyballs: An <i>ab initio</i> investigation of their electronic properties. Physical Review B, 2017, 95, .	3.2	13
27509	Momentum- and space-resolved high-resolution electron energy loss spectroscopy of individual single-wall carbon nanotubes. Physical Review B, 2017, 95, .	3.2	17
27510	From morphology of attrited copper/MWCNT hybrid fillers to thermal and mechanical characteristics of their respective polymer-matrix composites: An analytical and experimental study. Journal of Applied Polymer Science, 2017, 134, 45397.	2.6	11

#	ARTICLE	IF	CITATIONS
27511	Polymeric monolith column composited with multiwalled carbon nanotubes and α -cyclodextrin for the selective extraction of psoralen and isopsoralen. <i>Journal of Separation Science</i> , 2017, 40, 3718-3724.	2.5	7
27512	Carbon nanotubes forming cores of fibrous aggregates of carbon nanohorns. <i>Carbon</i> , 2017, 122, 665-668.	10.3	9
27513	Influence of Processing Conditions on the Mechanical Behavior of MWCNT Reinforced Thermoplastic Nanocomposites. <i>Procedia CIRP</i> , 2017, 66, 131-136.	1.9	13
27514	A first-principle study on adsorption of atomic hydrogen on the two-dimensional hexagonal boron nitride monolayer. <i>Superlattices and Microstructures</i> , 2017, 111, 696-703.	3.1	7
27515	Tribological properties of polymeric aryl phosphates grafted onto multi-walled carbon nanotubes as high-performances lubricant additive. <i>Tribology International</i> , 2017, 116, 172-179.	5.9	27
27516	Nanomaterial Impact, Toxicity and Regulation in Agriculture, Food and Environment. <i>Sustainable Agriculture Reviews</i> , 2017, , 205-242.	1.1	6
27517	Immobilized copper ions on MWCNTS-Chitosan thin film: Enhanced amperometric sensor for electrochemical determination of diclofenac sodium in aqueous solution. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 19951-19960.	7.1	52
27518	Analysis of penicillamine using Cu-modified graphene quantum dots synthesized from uric acid as single precursor. <i>Journal of Pharmaceutical Analysis</i> , 2017, 7, 324-331.	5.3	32
27519	Structural investigation of the enhanced electrical, optical and electrochemical properties of MWCNT incorporated Poly [3-hexylthiophene-2,5-diyl] composites. <i>Materials Chemistry and Physics</i> , 2017, 199, 477-484.	4.0	11
27520	Synthesis and characterization of MWCNT reinforced nano-crystalline copper coating from a highly basic bath through pulsed electrodeposition. <i>Surfaces and Interfaces</i> , 2017, 9, 28-35.	3.0	7
27521	Suspended individual SWCNT characterization via bottom gate FET configuration. <i>Microwave and Optical Technology Letters</i> , 2017, 59, 2610-2614.	1.4	2
27522	Effect of graphene oxide on the properties of compatibilized polypropylene/ethylene-propylene-rubber blend. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	27
27523	Influence of carbon nanoparticle modification on the mechanical and electrical properties of epoxy in small volumes. <i>Journal of Colloid and Interface Science</i> , 2017, 506, 620-632.	9.4	34
27524	Nanoparticle-Based Immunochemical Biosensors and Assays: Recent Advances and Challenges. <i>Chemical Reviews</i> , 2017, 117, 9973-10042.	47.7	518
27525	Superior acidic catalytic activity and stability of Fe-doped HTaWO ₆ nanotubes. <i>Nanoscale</i> , 2017, 9, 11126-11136.	5.6	8
27526	Zn ₂ @MWCNTs nanocomposite as an efficient and reusable catalyst for direct regioselective ortho C-acylation of phenolic compounds under solvent-free and microwave conditions. <i>Green Chemistry Letters and Reviews</i> , 2017, 10, 228-234.	4.7	2
27527	Advanced carbon nanotubes functionalization. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 423003.	1.8	36
27528	Structural features of iron-containing particles inside carbon nanotubes. <i>Materials Research Express</i> , 2017, 4, 075053.	1.6	0

#	ARTICLE	IF	CITATIONS
27529	Electrical conductivity enhancement of 1D glassy carbon nanostructure using rapid thermal annealing. , 2017, , .		0
27531	Carbon nanotubes branched on three-dimensional, nitrogen-incorporated reduced graphene oxide/iron oxide hybrid architectures for lithium ion battery anode. Journal of Alloys and Compounds, 2017, 726, 88-94.	5.5	26
27532	MWCNT modified structure-conductive composite and its electromagnetic shielding behavior. Composites Part B: Engineering, 2017, 130, 21-27.	12.0	38
27533	Conditions for escape of a rotor in a rotary nanobearing from short triple-wall nanotubes. Scientific Reports, 2017, 7, 6772.	3.3	3
27534	Investigation of electronic transport under mechanical strain in a molecular junction composed of a polyyne bridge connected to SWCNT electrodes. Physical Chemistry Chemical Physics, 2017, 19, 22078-22087.	2.8	11
27535	Observation of local changes of "carbon-to-metal ratio" in the growth mechanism of carbon nanostructures grown from FePd-based and Fe ₃ C catalysts by pyrolysis of ferrocene and dichlorocyclooctadiene-palladium mixtures: the crucial role of Cl. RSC Advances, 2017, 7, 19725-19736.	3.6	3
27536	Role of carbon nanotube on the interfacial thermal resistance: A molecular dynamics approach. , 2017, , .		3
27537	Carbon nanotubes: Impacts and behaviour in the terrestrial ecosystem - A review. Carbon, 2017, 123, 767-785.	10.3	72
27538	Influence of carbon nanotube concentration and sonication temperature on mechanical properties of HDPE/CNT nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 531-539.	2.1	41
27539	Fully integrated carbon nanotube composite thin film strain sensors on flexible substrates for structural health monitoring. Smart Materials and Structures, 2017, 26, 095052.	3.5	24
27540	Mechanical Buckling Analysis of Single-Walled Carbon Nanotube with Nonlocal Effects. Journal of Nano Research, 2017, 48, 85-94.	0.8	3
27541	Novel 3D metallic boron nitride containing only sp ² bonds. Journal Physics D: Applied Physics, 2017, 50, 385302.	2.8	10
27542	Electrochemical Sensor for Square Wave Voltammetric Determination of Clozapine by Glassy Carbon Electrode Modified by WO ₃ Nanoparticles. IEEE Sensors Journal, 2017, 17, 6069-6076.	4.7	10
27543	Crystal Rainbows. Lecture Notes in Nanoscale Science and Technology, 2017, , 25-72.	0.8	1
27544	Rainbows in Proton Channeling in Silicon Crystals. Lecture Notes in Nanoscale Science and Technology, 2017, , 73-118.	0.8	0
27545	Rainbows with Positrons and Carbon Nanotubes. Lecture Notes in Nanoscale Science and Technology, 2017, , 153-178.	0.8	0
27546	Multi-Walled Carbon Nanotubes (MWCNTs) bonded with Ferrocene particles as ignition agents for air-fuel mixtures. Fuel, 2017, 208, 734-745.	6.4	7
27547	Cholic acid covalently bound to multi-walled carbon nanotubes: Improvements on dispersion stability. Materials Chemistry and Physics, 2017, 200, 331-341.	4.0	9

#	ARTICLE	IF	CITATIONS
27548	Electron doping effects on the electrical conductivity of zigzag carbon nanotubes and corresponding unzipped armchair graphene nanoribbons. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 94, 87-91.	2.7	15
27549	Coating carbon nanotubes with humic acid using an eco-friendly mechanochemical method: Application for Cu(II) ions removal from water and aquatic ecotoxicity. <i>Science of the Total Environment</i> , 2017, 607-608, 1479-1486.	8.0	27
27550	B ₃₃ ⁺ and B ₃₄ ⁺ : Aromatic Planar Boron Clusters with a Hexagonal Vacancy. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4546-4551.	2.0	41
27551	Nanomaterials as stationary phases and supports in liquid chromatography. <i>Electrophoresis</i> , 2017, 38, 2498-2512.	2.4	31
27552	An electrochemical sensing platform for trace recognition and detection of an anti-prostate cancer drug flutamide in biological samples. <i>RSC Advances</i> , 2017, 7, 37898-37907.	3.6	54
27553	1D and 2D Graphdiynes: Recent Advances on the Synthesis at Interfaces and Potential Nanotechnological Applications. <i>Annalen Der Physik</i> , 2017, 529, 1700056.	2.4	38
27554	Modal analysis of double-walled carbon nanocones using the finite element method. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750262.	2.0	4
27555	Electronic Structures of Vacancy Defective Chiral (6,2) SiC Nanotubes. <i>Materials Science Forum</i> , 0, 896, 3-8.	0.3	0
27556	Electroconductive and magnetic properties of pure carbon soot produced in arc discharge: Regimes of various buffer gas pressure. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1700142.	1.8	7
27557	Determination of Six Paraben Residues in Fresh-cut Vegetables Using QuEChERS with Multi-walled Carbon Nanotubes and High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2017, 10, 3972-3979.	2.6	18
27558	Inorganic Nanotubes and Fullerene-like Nanoparticles at the Crossroads between Solid-State Chemistry and Nanotechnology. <i>Journal of the American Chemical Society</i> , 2017, 139, 12865-12878.	13.7	52
27559	Carbon Nanomaterials in Biological Studies and Biomedicine. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700574.	7.6	155
27560	Pentagon-Embedded Cycloarylenes with Cylindrical Shapes. <i>Angewandte Chemie</i> , 2017, 129, 9234-9238.	2.0	18
27561	Flexural wave propagation in fluid-conveying carbon nanotubes with system uncertainties. <i>Microfluidics and Nanofluidics</i> , 2017, 21, 1.	2.2	19
27563	Sizes of pentagonal clusters in fullerenes. <i>Journal of Mathematical Chemistry</i> , 2017, 55, 1669-1682.	1.5	3
27564	Effect of carbon nanotube concentration on cooling behaviors of oil-based nanofluids during the immersion quenching. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2017, 22, 395-401.	0.9	3
27565	Modification of thin-film polyamide membrane with multi-walled carbon nanotubes by interfacial polymerization. <i>Applied Water Science</i> , 2017, 7, 4341-4350.	5.6	33
27566	An overview of carbon nanotubes based interconnects for microelectronic packaging. , 2017, , .		4

#	ARTICLE	IF	CITATIONS
27567	Possibility of Improving Oscillation Performance of Double-Walled Nanotube Oscillators via Tuning Vacancy Defects. <i>Journal of Nano Research</i> , 2017, 48, 148-155.	0.8	5
27568	The thermal behaviors and phase diagrams of the Ising-type endohedral fullerene with magnetic core and diluted magnetic shell (Core@Shell20). <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	16
27569	A review of properties influencing the conductivity of CNT/Cu composites and their applications in wearable/flexible electronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9209-9237.	5.5	51
27570	Ultrafast structural dynamics of boron nitride nanotubes studied using transmitted electrons. <i>Nanoscale</i> , 2017, 9, 13313-13319.	5.6	4
27571	Carbon Nanotubes Modified Graphite Electrodes for Monitoring of Biointeraction Between 6-mercaptopurine and DNA. <i>Electroanalysis</i> , 2017, 29, 2292-2299.	2.9	13
27572	Well-Dispersed Carbon Nanotubes for Greatly Enhanced Mechanical Properties of Alumina-Based Composites. <i>Refractories and Industrial Ceramics</i> , 2017, 58, 188-193.	0.6	3
27573	Ab initio triangle maps for new insights into the crystal wave functions of carbon allotropes. <i>Carbon</i> , 2017, 123, 708-716.	10.3	3
27574	Effects of single adatom and Stone-Wales defects on the elastic properties of carbon nanotube/polypropylene composites: A molecular simulation study. <i>International Journal of Mechanical Sciences</i> , 2017, 131-132, 527-534.	6.7	36
27575	Computational analysis for velocity slip and diffusion species with carbon nanotubes. <i>Results in Physics</i> , 2017, 7, 3049-3058.	4.1	6
27576	Adhesion of single- and multi-walled carbon nanotubes to silicon substrate: atomistic simulations and continuum analysis. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 395303.	2.8	12
27577	Synthesis and Electrical Properties of Composite Films Comprising Polymer Particles and Carbon Nanotubes. <i>Colloids and Interface Science Communications</i> , 2017, 20, 5-8.	4.1	5
27578	One-step synthesis of CdSe nanotubes with novel hollow tubular structure as high-performance active material for photodetector. <i>Journal of Alloys and Compounds</i> , 2017, 726, 214-220.	5.5	14
27579	Adsorption of 5f-electron atoms (Th Cm) on graphene surface: An all-electron ZORA-DFT study. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 159-166.	9.4	10
27580	Synthesis and Characterization of Carbon Nanotubes Via Spray Pyrolysis Method. <i>Microscopy and Microanalysis</i> , 2017, 23, 1928-1929.	0.4	2
27581	Extracting the inner wall from nested double-walled carbon nanotube by platinum nanowire: molecular dynamics simulations. <i>RSC Advances</i> , 2017, 7, 39480-39489.	3.6	6
27582	An Analytical Modeling of Field Electron Emission for a Vertical Wedged Ordered Nanostructure. <i>Advanced Electronic Materials</i> , 2017, 3, 1700295.	5.1	7
27583	Large deflection geometrically nonlinear analysis of functionally graded multilayer graphene platelet-reinforced polymer composite rectangular plates. <i>Composite Structures</i> , 2017, 180, 760-771.	5.8	87
27584	Fabrication of an L-glutathione sensor based on PEG-conjugated functionalized CNT nanocomposites: a real sample analysis. <i>New Journal of Chemistry</i> , 2017, 41, 10761-10772.	2.8	18

#	ARTICLE	IF	CITATIONS
27585	Self-Assembled Vesicle-Carbon Nanotube Conjugate Formation through a Boronate-Diol Covalent Linkage. Chemistry - A European Journal, 2017, 23, 15194-15202.	3.3	7
27586	Compelling mechanical properties of carbon nanotubes reinforced pure magnesium composite by effective interface bonding of Mg ₂ Ni. Journal of Alloys and Compounds, 2017, 727, 963-969.	5.5	20
27587	Self-assembly of a nanotube from a black phosphorus nanoribbon on a string of fullerenes at low temperature. Physical Chemistry Chemical Physics, 2017, 19, 24009-24017.	2.8	12
27588	Practical considerations of Si-based anodes for lithium-ion battery applications. Nano Research, 2017, 10, 3970-4002.	10.4	102
27589	Modeling of current-voltage and dI/dV-characteristics of nanocontact "Niobium" Carbon nanotube (5, 5) "Niobium", 2017, , .		2
27590	Structure and Electronic Properties of Neutral and Negatively Charged RhB _n Clusters ($n = 3-10$): A Density Functional Theory Study. Journal of Physical Chemistry A, 2017, 121, 6510-6516.	2.5	24
27591	Environmentally friendly nitrogen-doped carbon quantum dots for next generation solar cells. Sustainable Energy and Fuels, 2017, 1, 1611-1619.	4.9	81
27592	Electronic structure of worm-eaten graphene. Japanese Journal of Applied Physics, 2017, 56, 025101.	1.5	5
27594	CNT fibers p-doped with F4TCNQ (2,3,5,6-Tetrafluoro-7,7,8,8-tetracyanoquinodimethane). , 2017, , .		1
27595	Textile fibers coated with carbon nanotubes for smart clothing applications. , 2017, , .		1
27596	Preparation and Application of the Composite from Alginate. , 2017, , 341-375.		1
27597	Preparation and application of N-doped carbon nanotube arrays on graphene fibers. Nanotechnology, 2017, 28, 38LT01.	2.6	4
27598	Smallest Archimedean Screw: Facet Dynamics and Friction in Multiwalled Nanotubes. Nano Letters, 2017, 17, 5321-5328.	9.1	16
27599	A general strategy for the synthesis of layered double hydroxide nanoscrolls on arbitrary substrates: its formation and multifunction. Journal of Materials Chemistry A, 2017, 5, 19079-19090.	10.3	23
27600	In-situ Adsorption of Polymer Particles on Multi-wall Carbon Nanotubes Using Colloidal Techniques. Colloids and Interface Science Communications, 2017, 20, 1-4.	4.1	8
27601	Strain and damage monitoring in SBR nanocomposites under cyclic loading. Composites Part B: Engineering, 2017, 131, 50-61.	12.0	14
27602	Modulation of the Local Density of States of Carbon Nanotubes by Encapsulation of Europium Nanowires As Observed by Scanning Tunneling Microscopy and Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 18195-18201.	3.1	2
27603	Biogas upgrading using single-walled carbon nanotubes by molecular simulation. Molecular Simulation, 2017, 43, 1034-1044.	2.0	0

#	ARTICLE	IF	CITATIONS
27604	Thin WS ₂ nanotubes from W ₁₈ O ₄₉ nanowires. Materials Research Letters, 2017, 5, 508-515.	8.7	14
27605	A review of flexible lithium-sulfur and analogous alkali metal-chalcogen rechargeable batteries. Chemical Society Reviews, 2017, 46, 5237-5288.	38.1	572
27606	Synthesis of Multiwalled Carbon Nanotubes-Poly(Methacrylic Acid) Nanohybrid Systems: Characterization, Thermal Properties, and In Vitro Release Studies of Naproxen as a Model Drug. Polymer-Plastics Technology and Engineering, 2017, 56, 1723-1729.	1.9	3
27607	Classifying the impact of progressively evacuating hexagonal lattices of C-C bond in DWCNT-based nano resonators. Materials Technology, 2017, 32, 773-781.	3.0	2
27608	Effect of low-content of carbon nanotubes on the fracture toughness and hardness of carbon nanotube reinforced alumina prepared by sinter, HIP and sinter+HIP routes. Materials Research Express, 2017, 4, 085004.	1.6	15
27609	Recursive differentiation method to study the nature of carbon nanobeams: A numerical approach. AIP Conference Proceedings, 2017, , .	0.4	1
27610	The Role of Glutathione and Ethanol in Dictating the Emission Dynamics of Natural Resources-Derived Highly Luminescent Carbon Nanodots. ChemistrySelect, 2017, 2, 11255-11264.	1.5	6
27611	Graphitizing Non-graphitizable Carbons by Stress-induced Routes. Scientific Reports, 2017, 7, 16551.	3.3	43
27614	A review of procedures of purification and chemical modification of carbon nanotubes with bromine. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 563-569.	2.1	18
27615	Carbon Nanotube Embedded Nanostructure for Biometrics. ACS Applied Materials & Interfaces, 2017, 9, 44724-44731.	8.0	9
27616	Synthesis of graphene/DPA composite for determination of nicotine in tobacco products. Scientific Reports, 2017, 7, 14332.	3.3	16
27617	New insights on the dynamics of the $\hat{1}^3\text{-Fe}/\hat{1}^{\pm}\text{-Fe}$ phase-transition inside iron-filled carbon nanotubes. RSC Advances, 2017, 7, 25025-25030.	3.6	10
27618	Existence of multi-radical and closed-shell semiconducting states in post-graphene organic Dirac materials. Nature Communications, 2017, 8, 1957.	12.8	45
27619	An array of poly-l-histidine functionalized multi-walled carbon nanotubes on 4-aminothiophenol self-assembled monolayer and the application for sensitively glucose sensing. Electrochimica Acta, 2017, 258, 988-997.	5.2	12
27620	Investigation of the crystallization behaviors in a sub-micron space using carbon nanocones. RSC Advances, 2017, 7, 50688-50692.	3.6	0
27621	Band structure and edge states of star-like zigzag graphene nanoribbons. Chinese Physics B, 2017, 26, 117301.	1.4	0
27622	Recent Developments in Single-Walled Carbon Nanotube Thin Films Fabricated by Dry Floating Catalyst Chemical Vapor Deposition. Topics in Current Chemistry, 2017, 375, 90.	5.8	40
27623	Carbon Nanotube-Doped Adhesive Films for Detecting Crack Propagation on Bonded Joints: A Deeper Understanding of Anomalous Behaviors. ACS Applied Materials & Interfaces, 2017, 9, 43267-43274.	8.0	18

#	ARTICLE	IF	CITATIONS
27624	High quality and high performance adsorption of Congo red using as-grown MWCNTs synthesized over a Co-MOF as a catalyst precursor <i>via</i> the CVD method. Dalton Transactions, 2017, 46, 17067-17073.	3.3	31
27625	Chiral intertwined spirals and magnetic transition dipole moments dictated by cylinder helicity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13097-13101.	7.1	210
27626	Inner surface modification of 1.76 nm diameter (13,13) carbon nanotubes and the desalination behavior of its reverse osmosis membrane. New Journal of Chemistry, 2017, 41, 14325-14333.	2.8	12
27627	Assembly of carbon nanotubes into microparticles with tunable morphologies using droplets in a non-equilibrium state. RSC Advances, 2017, 7, 17773-17780.	3.6	6
27629	Mechanical behavior enhancement of defective graphene sheet employing boron nitride coating via atomistic study. Materials Research Express, 2017, 4, 125019.	1.6	9
27630	Rapid production of carbon nanotubes: a review on advancement in growth control and morphology manipulations of flame synthesis. Journal of Materials Chemistry A, 2017, 5, 25144-25170.	10.3	46
27631	Growth of nanocarbons by catalysis and their applications. MRS Bulletin, 2017, 42, 790-793.	3.5	4
27632	Catalysts for the growth of carbon nanotube "forests" and superaligned arrays. MRS Bulletin, 2017, 42, 802-808.	3.5	20
27633	Graphene. Springer Handbooks, 2017, , 363-391.	0.6	2
27634	Nanorobotics. Springer Handbooks, 2017, , 559-584.	0.6	0
27636	A 104-week pulmonary toxicity assessment of long and short single-wall carbon nanotubes after a single intratracheal instillation in rats. Inhalation Toxicology, 2017, 29, 471-482.	1.6	18
27637	Temperature Influence on Electrical Properties of Carbon Nanotubes Modified Solid Electrolyte-Based Structural Supercapacitor. , 2017, , .		0
27638	Mechanisms and theoretical simulations of the catalytic growth of nanocarbons. MRS Bulletin, 2017, 42, 794-801.	3.5	7
27639	Plasticisation and compatibilisation of poly(propylene) with poly(lauryl acrylate) surface modified MWCNTs. Polymer, 2017, 133, 89-101.	3.8	8
27641	Structure of junctions of multiwalled carbon nanotubes with tetragonal cross section and flattened nanotubes revealed by electron-beam tomography. Japanese Journal of Applied Physics, 2017, 56, 110309.	1.5	1
27642	A One-Step Approach to the Synthesis of High Aspect Ratio Titania Nanoflakes. Global Challenges, 2017, 1, 1700060.	3.6	4
27643	Assembling of carbon nanotubes film responding to significant reduction wear and friction on steel surface. Applied Nanoscience (Switzerland), 2017, 7, 835-842.	3.1	10
27644	CNTs based improved chlorine sensor from non-covalently anchored multi-walled carbon nanotubes with hexa-decafluorinated cobalt phthalocyanines. RSC Advances, 2017, 7, 49675-49683.	3.6	30

#	ARTICLE	IF	CITATIONS
27645	Flexible diodes for radio frequency (RF) electronics: a materials perspective. Semiconductor Science and Technology, 2017, 32, 123002.	2.0	64
27646	Correlation between density and hydrogen content in vertically aligned carbon nanotube forests by ion beam analysis. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2017, 35, 061403.	2.1	1
27647	Laser induced periodic surface structures on polymer nanocomposites with carbon nanoadditives. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	8
27648	Nanofillers in the electrolytes of dye-sensitized solar cells – A short review. Coordination Chemistry Reviews, 2017, 353, 58-112.	18.8	50
27649	Simultaneous determination of caffeine and theophylline using square wave voltammetry at poly(l) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 and Bio-Sensing Research, 2017, 16, 46-54.	4.2	47
27650	Atomistic potential for graphene and other sp²carbon systems. Physical Chemistry Chemical Physics, 2017, 19, 30925-30932.	2.8	13
27651	Failure Analysis of Carbon Nanotubes with a Stone–Wales Defect Using Nonlinear Finite-Element Methods. Mechanics of Composite Materials, 2017, 53, 631-644.	1.4	7
27652	Functionalized carbon nanotube (CNT) membrane: progress and challenges. RSC Advances, 2017, 7, 51175-51198.	3.6	192
27653	Nanocarbon materials fabricated using plasmas. Reviews of Modern Plasma Physics, 2017, 1, 1.	4.1	28
27654	The Dependence of CNT Aerogel Synthesis on Sulfur-driven Catalyst Nucleation Processes and a Critical Catalyst Particle Mass Concentration. Scientific Reports, 2017, 7, 14519.	3.3	57
27655	Studies on nanocomposites reinforced with CNTs in different types of dielectric rubber. Sensors and Actuators A: Physical, 2017, 267, 310-317.	4.1	14
27656	Molecular dynamics simulation study of carbon nanotubes in coarse-grained water: Effect of CNT diameter. AIP Conference Proceedings, 2017, , .	0.4	0
27657	Resonance Raman and IR spectroscopy of aligned carbon nanotube arrays with extremely narrow diameters prepared with molecular catalysts on steel substrates. Physical Chemistry Chemical Physics, 2017, 19, 30667-30674.	2.8	22
27658	Synthesis and characterization of copper-nanocarbon films with enhanced stability. Carbon, 2017, 122, 336-343.	10.3	9
27659	Rheological characterization of nanostructured material based on Polystyrene-b-poly(ethylene-butylene)-b-polystyrene (SEBS) block copolymer: Effect of block copolymer composition and nanoparticle geometry. Composites Science and Technology, 2017, 149, 192-206.	7.8	15
27660	Alkali-created rich properties in grapheme nanoribbons: Chemical bondings. Scientific Reports, 2017, 7, 1722.	3.3	3
27661	Bulk synthesis of multi-walled carbon nanotubes by AC arc discharge method. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2017, 231, 141-151.	0.6	5
27662	Comparison of black carbon concentration and particle mass concentration with elemental carbon concentration for multi-walled carbon nanotube emission assessment purpose. Carbon, 2017, 122, 228-236.	10.3	6

#	ARTICLE	IF	CITATIONS
27663	A review of continuum mechanics models for size-dependent analysis of beams and plates. Composite Structures, 2017, 177, 196-219.	5.8	288
27664	Novel Carbon Nanotubes Rolled from 6,6,12-Graphyne: Double Dirac Points in 1D Material. Journal of Physical Chemistry C, 2017, 121, 14835-14844.	3.1	28
27665	Self-assembled nanocapsules in water: a molecular mechanistic study. Physical Chemistry Chemical Physics, 2017, 19, 20377-20382.	2.8	3
27666	Nano-second time resolved investigations on thermal implications of high-field transport through MWCNTs. Applied Physics Letters, 2017, 110, 233111.	3.3	0
27667	On the vibrational characteristics of single-walled boron nitride nanotubes/polymer nanocomposites: A finite element simulation. Modern Physics Letters B, 2017, 31, 1750208.	1.9	2
27668	Synthesis of Carboxamide-Functionalized Multiwall Carbon Nanotubes <i>via</i> Ugi Multicomponent Reaction: Water-Dispersible Peptidomimetic Nanohybrid as Controlled Drug Delivery Vehicle. ChemistrySelect, 2017, 2, 5218-5225.	1.5	23
27669	Transition of carbon nanostructures in heptane diffusion flames. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	6
27670	Binder-free MWCNT/TiO ₂ multilayer nanocomposite as an efficient thin interfacial layer for photoanode of dye sensitized solar cell. Materials Science in Semiconductor Processing, 2017, 71, 20-28.	4.0	21
27671	Achieving excellent dispersion and electrical conductivity of olefin block copolymer/MWCNTs composites efficiently via high-shear processing. Polymer, 2017, 123, 65-72.	3.8	24
27672	Preparation and study of the electrical, magnetic and thermal properties of Fe ₃ O ₄ coated carbon nanotubes. Chinese Journal of Physics, 2017, 55, 1319-1328.	3.9	14
27673	Synthesis and field emission properties of graphene-Ni hybrid composites. Diamond and Related Materials, 2017, 77, 102-109.	3.9	4
27674	Adsorption and growth of palladium clusters on graphdiyne. Physical Chemistry Chemical Physics, 2017, 19, 19094-19102.	2.8	40
27675	Highly patterned growth of SnO ₂ nanowires using a sub-atmospheric vapor-liquid-solid deposition. Journal Physics D: Applied Physics, 2017, 50, 305104.	2.8	8
27676	Advances in electrode materials for Li-based rechargeable batteries. RSC Advances, 2017, 7, 33789-33811.	3.6	30
27677	Electrically Stable Carbon Nanotube Yarn Under Tensile Strain. IEEE Electron Device Letters, 2017, 38, 1331-1334.	3.9	15
27678	Mechanical properties and piezoresistive sensing capabilities of FRP composites incorporating CNT fibers. Composite Structures, 2017, 178, 1-8.	5.8	37
27679	An original combined method for electrical conductivity measurement of polymer composites under extensional deformation. Journal of Rheology, 2017, 61, 845-857.	2.6	5
27680	Self-Assembled Nanostructures (SANs)., 2017, , 391-409.		2

#	ARTICLE	IF	CITATIONS
27681	Effect of Carbon Nanotubes on Liquid Crystal Behavior in Electric and Magnetic Fields Studied by SAW. Procedia Engineering, 2017, 192, 935-940.	1.2	9
27682	Geometrically Nonlinear Static Analysis of an Embedded Multiwalled Carbon Nanotube and the van der Waals Interaction. Journal of Nanomechanics & Micromechanics, 2017, 7, 04017012.	1.4	3
27683	Roles of carbon nanotubes in novel energy storage devices. Carbon, 2017, 122, 462-474.	10.3	157
27684	Transformation of multi walled carbon nanotubes irradiated by swift heavy ions. Nuclear Instruments & Methods in Physics Research B, 2017, 407, 172-179.	1.4	6
27685	First-principles study on the adsorption energy of Fe on the N-doped CNT bus-bar. Chinese Journal of Physics, 2017, 55, 1162-1169.	3.9	0
27686	QPHT-graphene: A new two-dimensional metallic carbon allotrope. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2845-2849.	2.1	32
27687	Axial dynamic buckling analysis of embedded single-walled carbon nanotube by complex structure-preserving method. Applied Mathematical Modelling, 2017, 52, 15-27.	4.2	27
27688	Carbon materials with controlled edge structures. Carbon, 2017, 122, 694-701.	10.3	54
27689	Effects of magnetic-fluid flow on structural instability of a carbon nanotube conveying nanoflow under a longitudinal magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2898-2905.	2.1	32
27690	Invariant wide bandgaps in honeycomb monolayer and single-walled nanotubes of IIbâ€“VI semiconductors. Nanotechnology, 2017, 28, 355201.	2.6	2
27691	Synthesis and capacitance performance of phosphorous-enriched carbon xerogel. Journal of Sol-Gel Science and Technology, 2017, 84, 515-521.	2.4	6
27692	Wave propagation in double walled carbon nanotubes by using doublet mechanics theory. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 93, 345-357.	2.7	27
27693	Molecular origin of drug release by water boiling inside carbon nanotubes from reactive molecular dynamics simulation and DFT perspectives. Scientific Reports, 2017, 7, 4669.	3.3	20
27694	Opportunities and Challenges in the Synthesis, Characterization, and Catalytic Properties of Controlled Nanostructures. Studies in Surface Science and Catalysis, 2017, 177, 1-56.	1.5	1
27695	Normal incidence acoustic absorption characteristics of a carbon nanotube forest. Applied Acoustics, 2017, 127, 223-239.	3.3	22
27696	Engineering carbon materials with electricity. Carbon, 2017, 122, 504-513.	10.3	17
27697	First-principles study of CO catalytic oxidation on Pd-doped single wall boron nitride nanotube. Computational and Theoretical Chemistry, 2017, 1115, 37-44.	2.5	16
27698	Highly Permeable Gas Diffusion Electrodes with Hollow Carbon Nanotubes for Bilirubin Oxidase-Catalyzed Dioxygen Reduction. Electrochimica Acta, 2017, 246, 794-799.	5.2	14

#	ARTICLE	IF	CITATIONS
27699	A new modified MWCNTs with 3-aminopyrazole as a nanoadsorbent for Cd(II) removal from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3405-3417.	6.7	38
27700	Electromagnetic properties of absorber fabric coated with BaFe ₁₂ O ₁₉ /MWCNTs/PANi nanocomposite in X and Ku bands frequency. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 442, 224-230.	2.3	31
27701	Studies on complex π - π and T-stacking features of imidazole and phenyl/p-halophenyl units in series of 5-amino-1-(phenyl/p-halophenyl)imidazole-4-carboxamides and their carbonitrile derivatives: Role of halogens in tuning of conformation. <i>Journal of Molecular Structure</i> , 2017, 1147, 520-540.	3.6	7
27702	Effects of laser cutting on the structural and mechanical properties of carbon nanotube assemblages. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017, 223, 143-152.	3.5	13
27703	One-pot green synthesis of carbon quantum dot for biological application. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	15
27704	Glia and gliotransmitters on carbon nanotubes. <i>Nano Reviews & Experiments</i> , 2017, 8, 1323853.	3.7	3
27705	Schrödinger operators on a periodically broken zigzag carbon nanotube. <i>Proceedings of the Indian Academy of Sciences: Mathematical Sciences</i> , 2017, 127, 471-516.	0.1	1
27706	Effect of ultrasonication on the properties of multi-walled carbon nanotubes/ hollow glass microspheres/epoxy syntactic foam. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017, 32, 709-712.	1.0	4
27707	Can uranyl complexes encapsulate to carbon nanotubes? A periodic DFT study. <i>Journal of Chemical Sciences</i> , 2017, 129, 783-790.	1.5	2
27708	Ab initio investigation of pristine and doped single-walled boron nitride nanotubes as acetone sensor. <i>Computational and Theoretical Chemistry</i> , 2017, 1115, 208-216.	2.5	33
27709	CVD-growth of CNT with the use of catalytic Pt-MeO thin films incorporated in the technology. <i>Russian Microelectronics</i> , 2017, 46, 75-81.	0.5	2
27710	Non-local vibration of simply supported nano-beams: Higher-order modes. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems</i> , 2017, 231, 75-81.	0.6	0
27711	Multi-walled carbon nanotubes functionalized with recombinant Dengue virus 3 envelope proteins induce significant and specific immune responses in mice. <i>Journal of Nanobiotechnology</i> , 2017, 15, 26.	9.1	45
27712	Carbon Nanotubes Heavy Metal Detection with Stripping Voltammetry: A Review Paper. <i>Electroanalysis</i> , 2017, 29, 2178-2189.	2.9	38
27713	Theoretical investigation on electronic properties and carrier mobilities of BN-substituted graphyne nanoribbons. <i>Computational and Theoretical Chemistry</i> , 2017, 1115, 261-269.	2.5	14
27714	A new approach to create isolated carbon particles by sputtering: A detailed parametric study and a concept of carbon particles embedded carbon coatings. <i>Diamond and Related Materials</i> , 2017, 76, 97-107.	3.9	6
27715	Pyrene-tagged carbohydrate-based mixed P/S ligand: spacer effect on the Rh(κ^2)-catalyzed hydrogenation of methyl 1-acetamidocinnamate. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5772-5780.	2.8	5
27716	New paradigms for the synthesis of graphene quantum dots from sustainable bioresources. <i>New Journal of Chemistry</i> , 2017, 41, 8706-8710.	2.8	15

#	ARTICLE	IF	CITATIONS
27717	Systems analysis of carbon nanotubes: opportunities and challenges for space applications. Nanotechnology, 2017, 28, 372001.	2.6	31
27718	Carbon Nanotube Synthesis from Block Copolymer Deposited Catalyst. International Journal of High Speed Electronics and Systems, 2017, 26, 1740010.	0.7	0
27719	Structural Features of the Carbon Material Synthesized by Plasma-Arc Method at Low Buffer Gas Pressure. Applied Mechanics and Materials, 0, 864, 36-41.	0.2	0
27720	Biocompatible chitin/carbon nanotubes composite hydrogels as neuronal growth substrates. Carbohydrate Polymers, 2017, 174, 830-840.	10.2	108
27721	Single-walled carbon nanotubes (SWCNTs) inhibit heat shock protein 90 (HSP90) signaling in human lung fibroblasts and keratinocytes. Toxicology and Applied Pharmacology, 2017, 329, 347-357.	2.8	12
27722	Novel Superhard C_{30} Carbon Allotrope from Cold-Compressed C_{70} Reapods. Physical Review Letters, 2017, 118, 245701.	7.8	100
27723	Effect of CNTs and Interfacial Defects on the Vibration of CNT-Based Hybrid Nanotubes. International Journal of Applied Mechanics, 2017, 09, 1750032.	2.2	2
27724	CVD-Synthesis of MCMB/CNTs Hybrids with Low Specific Surface Area for Supercapacitors. Journal of the Electrochemical Society, 2017, 164, A1845-A1851.	2.9	7
27725	Recent Advances of Carbon Nanotubes-Based Electrochemical Immunosensors for the Detection of Protein Cancer Biomarkers. Electroanalysis, 2017, 29, 662-675.	2.9	35
27726	Mechanism and kinetics of magnesium sulfite oxidation catalyzed by multiwalled carbon nanotube. Applied Catalysis B: Environmental, 2017, 203, 851-858.	20.2	50
27727	Investigation on the Formation Mechanism of Double-Layer Vertically Aligned Carbon Nanotube Arrays via Single-Step Chemical Vapour Deposition. Nano-Micro Letters, 2017, 9, 12.	27.0	7
27728	Carbon Photodetectors: The Versatility of Carbon Allotropes. Advanced Energy Materials, 2017, 7, 1601574.	19.5	44
27729	Hybrid composites using natural polymer blends and carbon nanostructures. , 2017, , 57-74.		0
27730	New candidate for the simple cubic carbon sample shock-synthesized by compression of the mixture of carbon black and tetracyanoethylene. Carbon, 2017, 112, 91-96.	10.3	27
27731	Finite Element Modeling of Carbon Nanotubes and Their Composites. , 2017, , 291-309.		1
27732	Finite Element-Aided Electric Field Analysis of Needleless Electrospinning. , 2017, , 311-329.		0
27733	Graphene-Carbon Nanotube Hybrids for Energy and Environmental Applications. Springer Briefs in Molecular Science, 2017, , .	0.1	18
27734	Axial dynamics of a nanorod embedded in an elastic medium using doublet mechanics. Composite Structures, 2017, 160, 1268-1278.	5.8	40

#	ARTICLE	IF	CITATIONS
27735	The synthesis of few-layered graphene by the arc discharge sputtering of a Si-C electrode. Carbon, 2017, 112, 97-102.	10.3	31
27736	Simultaneously improving the mechanical properties and flame retardancy of polypropylene using functionalized carbon nanotubes by covalently wrapping flame retardants followed by linking polypropylene. Materials Chemistry Frontiers, 2017, 1, 716-726.	5.9	30
27737	A novel electrochemical aptasensor based on f-MWCNTs/AuNPs nanocomposite for label-free detection of bisphenol A. Sensors and Actuators B: Chemical, 2017, 242, 158-166.	7.8	87
27738	Carbon nanotubes: a novel material for multifaceted applications in human healthcare. Chemical Society Reviews, 2017, 46, 158-196.	38.1	329
27739	Effective electrical conductivity of carbon nanotube-epoxy nanocomposites. Journal of Composite Materials, 2017, 51, 2979-2988.	2.4	19
27740	Novel hydrothermal synthesis of hexagonal prism-like CeO ₂ nanotubes and their optical properties. Journal of Materials Science: Materials in Electronics, 2017, 28, 2545-2549.	2.2	4
27741	Production of green diesel via cleaner catalytic deoxygenation of Jatropha curcas oil. Journal of Cleaner Production, 2017, 167, 1048-1059.	9.3	98
27742	First-principles study of nanotubes within the tetragonal, hexagonal and dodecagonal cycle structures. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 86, 129-135.	2.7	3
27743	PMo11V@N-CNT electrochemical properties and its application as electrochemical sensor for determination of acetaminophen. Journal of Solid State Electrochemistry, 2017, 21, 1059-1068.	2.5	16
27744	Effect of carbon nanotubes on friction and wear of a piston ring and cylinder liner system under dry and lubricated conditions. Friction, 2017, 5, 147-154.	6.4	39
27745	Nanobiomaterials™ applications in neurodegenerative diseases. Journal of Biomaterials Applications, 2017, 31, 953-984.	2.4	44
27746	Synthesis of non-destructive amido group functionalized multi-walled carbon nanotubes and their application in antistatic and thermal conductive polyetherimide matrix nanocomposites. Polymers for Advanced Technologies, 2017, 28, 791-796.	3.2	10
27747	Green Processing of Carbon Nanomaterials. Advanced Materials, 2017, 29, 1602423.	21.0	51
27748	Structures and Properties of Carbon Nanomaterials. Springer Briefs in Molecular Science, 2017, , 1-19.	0.1	3
27749	Nanostructure diffraction analysis of a copper/single walled carbon nanotube nanocomposite synthesized by Laser Surface Implanting. Carbon, 2017, 113, 1-9.	10.3	7
27750	Nonlocal Timoshenko frequency analysis of single-walled carbon nanotube with attached mass: An alternative hamiltonian approach. Composites Part B: Engineering, 2017, 111, 409-418.	12.0	18
27751	Enhanced performance of thermal-assisted electron field emission based on barium oxide nanowire. Applied Surface Science, 2017, 396, 1108-1112.	6.1	14
27752	Contribution of hydrophobic effect to the sorption of phenanthrene, 9-phenanthrol and 9, 10-phenanthrenequinone on carbon nanotubes. Chemosphere, 2017, 168, 739-747.	8.2	22

#	ARTICLE	IF	CITATIONS
27753	Oscillation characteristics of carbon nanotori molecules along carbon nanotubes under various system parameters. <i>European Journal of Mechanics, A/Solids</i> , 2017, 62, 67-79.	3.7	15
27754	Structural and electronic properties of zigzag and armchair WSe ₂ nanotubes. <i>Journal of Alloys and Compounds</i> , 2017, 695, 2751-2756.	5.5	9
27755	Nanofluid flow through a porous space with convective conditions and heterogeneousâ€“homogeneous reactions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 70, 119-126.	5.3	42
27756	Controllable synthesis of carbon-nanocoilâ€“carbon-microcoil hybrid materials. <i>Materials and Design</i> , 2017, 116, 42-50.	7.0	7
27757	Nonlinear size-dependent longitudinal vibration of carbon nanotubes embedded in an elastic medium. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 88, 18-25.	2.7	43
27758	In-plane vibration of FG micro/nano-mass sensor based on nonlocal theory under various thermal loading via differential transformation method. <i>Superlattices and Microstructures</i> , 2017, 101, 23-39.	3.1	15
27759	Environmentally Benign Bioderived Carbon Microspheres-Supported Molybdena Nanoparticles as Catalyst for the Epoxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 904-910.	6.7	19
27760	On the elasto-plastic behavior of CNT-polymer nanocomposites. <i>Composite Structures</i> , 2017, 160, 782-791.	5.8	22
27761	Increased metallicity of Carbon nanotubes because of incorporation of extended Stone-Walesâ€™ defects: an ab-initio real space approach. <i>Indian Journal of Physics</i> , 2017, 91, 269-276.	1.8	3
27762	Structure and Properties of Carbon Nanotubes. , 2017, , 47-69.		18
27763	Carbon Nanotubes for Sensing Applications. , 2017, , 129-150.		12
27764	Stimuli-Responsive Materials From Carbon Nanotubes. , 2017, , 151-178.		1
27765	Wearable Carbon Nanotube Devices for Sensing. , 2017, , 179-199.		7
27766	Use of Carbon Nanotubes in Third-Generation Solar Cells. , 2017, , 201-249.		4
27767	Application of Carbon Nanotubes in Lithium-Ion Batteries. , 2017, , 251-276.		4
27768	Carbon Nanotubes for Biomedical Applications. , 2017, , 323-346.		12
27769	Significance of Carbon Nanotube in Flame-Retardant Polymer/CNT Composite: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 470-487.	1.9	34
27770	Electromagnetic Interference Shielding of Polymer/Nanodiamond, Polymer/Carbon Nanotube, and Polymer/Nanodiamondâ€“Carbon Nanotube Nanobifiller Composite: A Review. <i>Polymer-Plastics Technology and Engineering</i> , 2017, 56, 347-363.	1.9	23

#	ARTICLE	IF	CITATIONS
27771	Study of Varying Tubes in Carbon Nanotube FET Based Inverter. Springer Proceedings in Physics, 2017, , 535-542.	0.2	1
27772	Monitoring technology in composites using carbon nanotube yarns based on piezoresistivity. Materials Letters, 2017, 188, 45-47.	2.6	8
27773	Review Highlighting Physical Prospects of Styrenic Polymer and Styrenic Block Copolymer Reinforced with Carbon Nanotube. Polymer-Plastics Technology and Engineering, 2017, 56, 573-593.	1.9	8
27774	Theoretical study of interaction of NH ₂ X (X = H, CH ₃), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 627 Td (Phosphorus, Sulfur and Silicon and the Related Elements, 2017, 192, 81-87.	1.6	4
27775	Vibration analysis of CNT-reinforced thick laminated composite plates based on Reddy's higher-order shear deformation theory. Composite Structures, 2017, 160, 689-705.	5.8	93
27776	Fowler Nordheim theory of carbon nanotube based field emitters. Physica B: Condensed Matter, 2017, 505, 1-8.	2.7	26
27777	Wave propagation in fluid-conveying viscoelastic single-walled carbon nanotubes with surface and nonlocal effects. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 86, 275-279.	2.7	21
27778	Growth control of carbon nanotubes using nanocomposite nickel/carbon thin films. Thin Solid Films, 2017, 630, 38-47.	1.8	3
27779	Melt flow properties of graphite nanoplatelets-filled polypropylene. Journal of Composite Materials, 2017, 51, 2793-2804.	2.4	8
27780	Imperfection sensitivity of thermal post-buckling behaviour of functionally graded carbon nanotube-reinforced composite beams. Applied Mathematical Modelling, 2017, 42, 735-752.	4.2	95
27781	Development of a Novel Integrated Strengthening and Sensing Methodology for Steel Structures Using CNT-Based Composites. Journal of Structural Engineering, 2017, 143, 04016202.	3.4	10
27782	Wave dispersion in viscoelastic single walled carbon nanotubes based on the nonlocal strain gradient Timoshenko beam model. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 87, 301-307.	2.7	36
27783	Functional carbon nanodots for multiscale imaging and therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1436.	6.1	48
27784	Structure of Nanocrystals, Nanoparticles, and Nanotubes. , 2017, , 581-652.		1
27785	Progress on sensors based on nanomaterials for rapid detection of heavy metal ions. Science China Chemistry, 2017, 60, 329-337.	8.2	117
27786	Enhanced magnetic performance of iron oxide nanoparticles anchored pristine/ N-doped multi-walled carbon nanotubes by microwave-assisted approach. Journal of Alloys and Compounds, 2017, 695, 1793-1801.	5.5	36
27787	Detection of CO ₂ using CNT-based sensors: Role of Fe catalyst on sensitivity and selectivity. Materials Chemistry and Physics, 2017, 186, 353-364.	4.0	33
27788	Enhancement of glucose oxide electron-transfer mechanism in glucose biosensor via optimum physical chemistry of functionalized carbon nanotubes. Reviews in Chemical Engineering, 2017, 33, 201-215.	4.4	7

#	ARTICLE	IF	CITATIONS
27789	Application of spinel-structured MgFe ₂ O ₄ nanoparticles for simultaneous electrochemical determination diclofenac and morphine. <i>Mikrochimica Acta</i> , 2017, 184, 155-162.	5.0	26
27790	Carbon nanotubes as gene carriers: Focus on internalization pathways related to functionalization and properties. <i>Acta Biomaterialia</i> , 2017, 49, 36-44.	8.3	64
27791	Growth of single wall carbon nanotubes using PECVD technique: An efficient chemiresistor gas sensor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 87, 261-265.	2.7	16
27792	Space-resolved thermal properties of thermoplastics reinforced with carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 2059-2074.	3.6	7
27793	A comparison between the mechanical and thermal properties of single-walled carbon nanotubes and boron nitride nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 137-142.	2.7	48
27794	Synthesis and characterization of CS/MWCNTs/ES composites and its performance in removal of Cu (II) from aqueous solution. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 568-575.	1.6	5
27795	The influence of surface effect on vibration behaviors of carbon nanotubes under initial stress. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 47-55.	2.7	15
27796	Structure and property of multiple amino acids assembled on the surface of a CNT. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 85, 7-12.	2.7	4
27797	Silicon impacts on structure, stability and aromaticity of C ₂₀ -nSi _n heterofullerenes (n=1-10): A density functional perspective. <i>Journal of Molecular Structure</i> , 2017, 1127, 522-531.	3.6	31
27798	Linear static response of nanocomposite plates and shells reinforced by agglomerated carbon nanotubes. <i>Composites Part B: Engineering</i> , 2017, 115, 449-476.	12.0	148
27799	Electrochemical detectors based on carbon and metallic nanostructures in capillary and microchip electrophoresis. <i>Electrophoresis</i> , 2017, 38, 80-94.	2.4	24
27800	Quantification of neurotransmitters and metabolically related compounds at glassy carbon electrodes modified with bamboo-like carbon nanotubes dispersed in double stranded DNA. <i>Microchemical Journal</i> , 2017, 130, 40-46.	4.5	11
27801	Carbon nanotube membranes to predict skin permeability of compounds. <i>Pharmaceutical Development and Technology</i> , 2017, 22, 606-616.	2.4	5
27802	Mechanical, thermal, and electrical properties of graphene oxide-multiwalled carbon nanotubes-filled thermoplastic elastomer nanocomposite. <i>Journal of Elastomers and Plastics</i> , 2017, 49, 345-355.	1.5	5
27803	Characterizing the nonlinear behaviour of double walled carbon nanotube based nano mass sensor. <i>Microsystem Technologies</i> , 2017, 23, 1879-1889.	2.0	9
27804	Carbocatalysis in Liquid-Phase Reactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 936-964.	13.8	209
27805	Positron emission tomography and nanotechnology: A dynamic duo for cancer theranostics. <i>Advanced Drug Delivery Reviews</i> , 2017, 113, 157-176.	13.7	153
27806	Carbon Nanotubes in Thin-Film Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601205.	19.5	25

#	ARTICLE	IF	CITATIONS
27807	Carbon Nanoforms for Photovoltaics: Myth or Reality?. Advanced Energy Materials, 2017, 7, 1601102.	19.5	48
27808	Copper matrix composites reinforced by aligned carbon nanotubes: Mechanical and tribological properties. Materials and Design, 2017, 133, 570-578.	7.0	49
27809	Carbon nanotube using spray pyrolysis: Recent scenario. Journal of Alloys and Compounds, 2017, 691, 970-982.	5.5	39
27810	Reduced graphene oxide“multiwalled carbon nanotubes composites as sensing membrane electrodes for DNA detection. Microsystem Technologies, 2017, 23, 3421-3428.	2.0	11
27811	Investigation on the mechanical and electrical properties of carbon nanotube/epoxy composites produced by resin transfer molding. Journal of Composite Materials, 2017, 51, 2035-2043.	2.4	19
27812	Nanofillers in Polymers. , 2017, , 47-86.		22
27813	Carbon nanotubes from renewable feedstocks: A move toward sustainable nanofabrication. Journal of Applied Polymer Science, 2017, 134, .	2.6	47
27814	Facile synthesis of CNTs/Caln 2 S 4 composites with enhanced visible-light photocatalytic performance. Applied Surface Science, 2017, 391, 565-571.	6.1	48
27815	Effective disentangling method of bundled multi-walled carbon nanotubes into individual multi-walled carbon nanotubes by magnetic-field induction. Journal of Industrial and Engineering Chemistry, 2017, 46, 28-34.	5.8	9
27816	Fabrication of an electrochemical sensor for determination of doxorubicin in human plasma and its interaction with DNA. Journal of Pharmaceutical Analysis, 2017, 7, 27-33.	5.3	63
27817	Molecular simulations of the influence of defects and functionalization on the shear strength of carbon nanotube-epoxy polymer interfaces. Computational Materials Science, 2017, 126, 204-216.	3.0	35
27818	Synthesis of carbon nanotubes via Fe-catalyzed pyrolysis of phenolic resin. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 86, 24-35.	2.7	35
27819	Carbon nanotubes as adsorbents for uranyl ions from aqueous solutions: A molecular dynamics study. Journal of Molecular Liquids, 2017, 228, 208-214.	4.9	15
27821	SLD-MOSCNT: A new MOSCNT with step“linear doping profile in the source and drain regions. International Journal of Modern Physics B, 2017, 31, 1650242.	2.0	8
27822	Core/shell structured composites of hollow spherical CoFe2O4 and CNTs as absorbing materials. Journal of Alloys and Compounds, 2017, 694, 309-312.	5.5	59
27823	Ballistic anisotropic magnetoresistance in core“shell nanowires and rolled-up nanotubes. International Journal of Modern Physics B, 2017, 31, 1630016.	2.0	8
27824	Oxygen Reduction on Anthraquinone Diazonium Compound Derivatised Multi“walled Carbon Nanotube and Graphene Based Electrodes. Electroanalysis, 2017, 29, 548-558.	2.9	15
27825	Mechanical behaviour of dual nanoparticle-reinforced aluminium alloy matrix composite materials depending on milling time. Journal of Composite Materials, 2017, 51, 3557-3562.	2.4	2

#	ARTICLE	IF	CITATIONS
27826	Effect of d -orbitals on the energy gap of group-III nitrides nanostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 85, 324-333.	2.7	5
27827	Functionalization of multiwalled carbon nanotubes with pramipexole for immobilization of palladium nanoparticles and investigation of catalytic activity in the Sonogashira coupling reaction. Applied Organometallic Chemistry, 2017, 31, e3600.	3.5	25
27828	Decoration of CNTs™ surface by Fe ₃ O ₄ nanoparticles: Influence of ultrasonication time on the magnetic and structural properties. Chinese Chemical Letters, 2017, 28, 302-306.	9.0	14
27829	Dispersion and failure analysis of PLA, PLA/GNP and PLA/CNT-COOH biodegradable nanocomposites by SEM and DIC inspection. Engineering Failure Analysis, 2017, 71, 63-71.	4.0	25
27830	Mechanical properties and interfacial phenomena in aluminum reinforced with carbon nanotubes manufactured by the sandwich technique. Journal of Composite Materials, 2017, 51, 1619-1629.	2.4	17
27831	Ultrasound assisted simultaneous reduction and direct functionalization of graphene oxide with thermal and cytotoxicity profile. Ultrasonics Sonochemistry, 2017, 34, 856-864.	8.2	38
27832	First principles study on transport characteristics of SiCNT-based field effect transistor. International Journal of Electronics Letters, 2017, 5, 246-254.	1.2	1
27833	Overview of Carbon Nanotube Interconnects. , 2017, , 37-80.		3
27834	Multi-scale modeling of plastic deformations in nano-scale materials; Transition to plastic limit. International Journal for Numerical Methods in Engineering, 2017, 109, 1180-1216.	2.8	18
27835	Catalytic activity of palladium nanocubes/multiwalled carbon nanotubes structures for methyl orange dye removal. Catalysis Today, 2017, 282, 168-173.	4.4	49
27836	Synthesis of ZnO nanoparticles using a hydrothermal method and a study its optical activity. Luminescence, 2017, 32, 317-320.	2.9	53
27837	Development of a new electrochemical imprinted sensor based on poly-pyrrole, sol-gel and multiwall carbon nanotubes for determination of tramadol. Sensors and Actuators B: Chemical, 2017, 238, 651-659.	7.8	93
27838	CTAB functionalized multiwalled carbon nanotube composite modified electrode for the determination of 6-mercaptopurine. Sensing and Bio-Sensing Research, 2017, 12, 1-7.	4.2	20
27839	Different configurations of carbon nanotubes reinforced solid-phase microextraction techniques and their applications in the environmental analysis. TrAC - Trends in Analytical Chemistry, 2017, 86, 263-275.	11.4	55
27840	Nanomedicine for Cancer Therapy. SpringerBriefs in Applied Sciences and Technology, 2017, , 1-68.	0.4	0
27841	Metal matrix composites reinforced with carbon nanotubes by an alternative technique. Journal of Alloys and Compounds, 2017, 707, 257-263.	5.5	63
27842	Effects of thermal annealing on SEBS/MWCNTs temperature-sensitive nanocomposites for the measurement of skin temperature. Materials Chemistry and Physics, 2017, 186, 456-461.	4.0	15
27843	Formation Mechanism and Reversible Expansion and Shrinkage of Magnesium-Based Homochiral Metal-Organic Nanotubes. Chemistry - A European Journal, 2017, 23, 1086-1092.	3.3	17

#	ARTICLE	IF	CITATIONS
27844	Advances in scalable gas-phase manufacturing and processing of nanostructured solids: A review. Particuology, 2017, 30, 15-39.	3.6	31
27845	TORSIONAL DYNAMIC RESPONSE OF A CARBON NANOTUBE EMBEDDED IN VISCO-PASTERNAK'S MEDIUM. Mathematical Modelling and Analysis, 2017, 21, 852-868.	1.5	7
27846	Nanomechanics of carbon honeycomb cellular structures. Carbon, 2017, 113, 26-32.	10.3	64
27847	Adsorption of 2, 3, 7, 8-tetrachlorodibenzo-p-dioxin (TCDD) on pristine, defected and Al-doped carbon nanotube: A dispersion corrected DFT study. Vacuum, 2017, 136, 51-59.	3.5	18
27848	Nanomedicine for Cancer Therapy. SpringerBriefs in Applied Sciences and Technology, 2017, , .	0.4	8
27849	Atmospheric Plasmas for Carbon Nanotubes (CNTs). , 2017, , 165-217.		0
27850	Structural Control of Single-Walled Carbon Nanotubes by Plasma Chemical Vapor Deposition. , 2017, , 219-230.		0
27851	Active vibration control of CNT-reinforced composite plates with piezoelectric layers based on Reddy's higher-order shear deformation theory. Composite Structures, 2017, 163, 350-364.	5.8	51
27852	Free vibration analysis of arbitrarily shaped Functionally Graded Carbon Nanotube-reinforced plates. Composites Part B: Engineering, 2017, 115, 384-408.	12.0	202
27853	Synthesis and properties of [8]-, [10]-, [12]-, and [16]cyclo-1,4-naphthylenes. Chemical Science, 2017, 8, 661-667.	7.4	36
27854	Computational Studies on the Encapsulation of 1,4-Dihydropyridine Derivatives into CNT(10,10). Australian Journal of Chemistry, 2017, 70, 252.	0.9	3
27855	Theoretical Study of Diffusion Flow of Neurotransmitters Through Single-Wall Armchair(10,10) and Zigzag(18,0) Carbon Nanotubes. Iranian Journal of Science and Technology, Transaction A: Science, 2017, 41, 787-808.	1.5	0
27856	Powerful greenhouse gas nitrous oxide adsorption onto intrinsic and Pd doped Single walled carbon nanotube. Applied Surface Science, 2017, 392, 225-230.	6.1	59
27857	Isomerization of $sp^{2 \rightarrow 3}$ -hybridized carbon nanomaterials: structural transformation and topological defects of fullerene, carbon nanotube, and graphene. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2017, 7, e1283.	14.6	24
27858	Simulation of CNT based mass resonator sensor and investigation on the effect of vacancy defect on sensing performances. Microsystem Technologies, 2017, 23, 2797-2805.	2.0	5
27859	Fabrication and Properties of Acid Treated Carbon Nanotubes Reinforced Soy Protein Nanocomposites. Journal of Polymers and the Environment, 2017, 25, 519-525.	5.0	12
27860	Magnetization Reversal and Surface Spins in Electrodeposited Co ₉₀ Mn ₁₀ Alloy Nanowires. Journal of Superconductivity and Novel Magnetism, 2017, 30, 505-509.	1.8	0
27861	The reinforcing mechanism study of carbon nanotube in the NR matrix. Polymer Bulletin, 2017, 74, 949-962.	3.3	6

#	ARTICLE	IF	CITATIONS
27862	Review of recent studies on interactions between polymers and nanotubes using molecular dynamic simulation. Journal of the Iranian Chemical Society, 2017, 14, 269-283.	2.2	16
27863	Synthesis, characterization and microwave characteristics of ternary nanocomposite of MWCNTs/doped Sr-hexaferrite/PANI. Journal of Magnetism and Magnetic Materials, 2017, 423, 152-157.	2.3	69
27865	Electrical conductivity and transparency of polymer hybrid nanocomposites based on poly(trimethylene terephthalate) containing single walled carbon nanotubes and expanded graphite. Journal of Applied Polymer Science, 2017, 134, .	2.6	22
27866	Multiwalled carbon nanotubes-based polypropylene composites: Influence of interfacial interaction on the crystallization behavior of polypropylene. Polymer Engineering and Science, 2017, 57, 183-196.	3.1	15
27867	One-dimensional TiO ₂ Nanotube Photocatalysts for Solar Water Splitting. Advanced Science, 2017, 4, 1600152.	11.2	405
27868	Surface modification and enhanced photocatalytic CO ₂ reduction performance of TiO ₂ : a review. Applied Surface Science, 2017, 392, 658-686.	6.1	989
27869	A new class of lightweight, multifunctional material for electromagnetic compatibility. , 2017, , .		0
27870	ESD Behavior of MWCNT Interconnects”Part I: Observations and Insights. IEEE Transactions on Device and Materials Reliability, 2017, 17, 600-607.	2.0	7
27871	SAW study of structural changes in liquid crystals doped with carbon nanotubes induced by electric and magnetic fields. , 2017, , .		1
27872	Carbon nanotube FET-based low-delay and low-power multi-digit adder designs. IET Circuits, Devices and Systems, 2017, 11, 352-364.	1.4	25
27873	Method for designing ternary adder cells based on CNFETs. IET Circuits, Devices and Systems, 2017, 11, 465-470.	1.4	32
27875	Application of nanomaterials in the field of nanomedicine. , 2017, , .		0
27876	A Brief 100 Year History of Carbon. Science Progress, 2017, 100, 293-298.	1.9	2
27878	Memorizing UV exposure energy in resistance “A smart patch based on conductive polymer. , 2017, , .		2
27879	The effects of ferrocene concentration on CNT growth on micron silica gel. AIP Conference Proceedings, 2017, , .	0.4	0
27880	Chemically modified multiwalled carbon nanotubes improve the cytocompatibility. Materials Research Express, 2017, 4, 125801.	1.6	3
27881	Analysis of quantum capacitance on different dielectrics and its dependence on threshold voltage of CNTFET. , 2017, , .		8
27882	Low power low voltage CNTFET-based current differencing buffered amplifier. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
27883	Largely Deformable and Highly Sensitive Strain Sensor Using Carbon Nanomaterials. , 2017, , .		0
27884	Composite films based on polyphenylene oxide modified with endofullerenes C60 with encapsulated iron atoms. Russian Journal of Applied Chemistry, 2017, 90, 1549-1557.	0.5	6
27885	Impact of dielectric material and oxide thickness on the performance of Carbon Nanotube Field Effect Transistor. , 2017, , .		8
27886	CMOS limitations and futuristic carbon allotropes. , 2017, , .		6
27887	Capture field emission pattern image of carbon nanotubes by using electron beam scanning analyzer. , 2017, , .		0
27888	Multi-walled carbon nanotube structural instability with/without metal nanoparticles under electron beam irradiation. New Journal of Physics, 2017, 19, 123016.	2.9	12
27889	Preparation and thermal properties of carbon Nanotubes/5-Amino-1H-Tetrazole energetic composites. IOP Conference Series: Materials Science and Engineering, 2017, 213, 012046.	0.6	0
27890	Optical Absorption in Collapsed Carbon Nanotubes. Journal of the Physical Society of Japan, 2017, 86, 064709.	1.6	1
27892	Polybenzoxazine/Carbon Nanotube Composites. , 2017, , 725-738.		6
27893	Carbon-Based Nanomaterials. , 2017, , 233-249.		34
27894	The Structure and Electronic States of Self-Assembled C60 Crystals. Microscopy and Microanalysis, 2017, 23, 1818-1819.	0.4	0
27895	Characterization of Metal Matrix Composites Reinforced with Carbon Nanotubes by High Resolution Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1926-1927.	0.4	0
27896	Fabrication of diiodocarbene functionalized oxidized multi-walled carbon nanotube and its aqueous adsorption performance toward Pb(II). Environmental Earth Sciences, 2017, 76, 1.	2.7	7
27897	Theoretical infrared phonon modes and band gap calculations of a bundle of two single walled carbon nanotubes. Energy Procedia, 2017, 139, 211-216.	1.8	0
27898	Effect of Current Variation on Carbon Black to synthesize MWCNTs using pulsed arc Discharge method. Materials Today: Proceedings, 2017, 4, 9394-9398.	1.8	7
27899	Evaluation of Elastic moduli for different Patterns of Stone-Thrower-Wales Defect in Carbon Nanotubes/epoxy Composites. Materials Today: Proceedings, 2017, 4, 9423-9428.	1.8	29
27900	Parametric study on Topology of carbon Nanotubes Effects on Mechanical properties. Materials Today: Proceedings, 2017, 4, 9117-9125.	1.8	1
27901	Effects of the arc-discharge parameters on the morphology and the electrical conductivity of the synthesized carbon materials. Materials Today: Proceedings, 2017, 4, 11406-11410.	1.8	4

#	ARTICLE	IF	CITATIONS
27902	Facile Synthesis and Characterization of MnO ₂ /Graphene/Multi Walled Carbon Nanotube Nanostructured Ternary Composite: An Advance Material for Environmental and Biological Applications. Materials Today: Proceedings, 2017, 4, 11915-11922.	1.8	8
27903	Selective detection of dopamine and ascorbic acid at purified carbon nanotubes/Tween-20 modified carbon paste electrode. Materials Today: Proceedings, 2017, 4, 11991-11998.	1.8	5
27904	A Thorough Study: In-Situ Aluminium LM6 Metal Matrix Composites Reinforced with Iron Oxide and MWCNTs. Materials Today: Proceedings, 2017, 4, 11999-12006.	1.8	11
27905	Experimental Investigation on Heat Transfer of Carbon Nanotube Membranes. Procedia Engineering, 2017, 205, 3067-3071.	1.2	2
27906	Polypyrrole-Coated Carbon Nanotube-Arrays: The Missing Link Between Bucky-Paper Actuation and CNT-Array Actuation. , 2017, , .		0
27907	Stability and electronic properties of armchair boron nitride/carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 716-725.	2.1	58
27908	Controllable deposition of titanium dioxides onto carbon nanotubes in aqueous solutions. Integrated Ferroelectrics, 2017, 183, 43-53.	0.7	3
27909	Nonlinear vibration of double-walled boron nitride and carbon nanopeapods under multi-physical fields with consideration of surface stress effects. European Physical Journal Plus, 2017, 132, 1.	2.6	5
27910	Novel conductance step in carbon nanotube with wing-like zigzag graphene nanoribbons. Chinese Physics B, 2017, 26, 116101.	1.4	0
27912	Generation of radical species in CVD grown pristine and N-doped solid carbon spheres using H ₂ and Ar as carrier gases. RSC Advances, 2017, 7, 21187-21195.	3.6	22
27913	Theoretical investigation on the adsorption of DNA bases on B/N-doped SWCNT surface by the first principle. AIP Advances, 2017, 7, 105004.	1.3	4
27914	Angular distribution of hybridization in sputtered carbon thin film. AIP Advances, 2017, 7, 085303.	1.3	3
27915	Electric conductivity of high explosives with carbon nanotubes. Journal of Physics: Conference Series, 2017, 899, 092012.	0.4	7
27916	Photodynamic Action of Single-Walled Carbon Nanotubes. Chemical and Pharmaceutical Bulletin, 2017, 65, 629-636.	1.3	6
27917	Effects of structural defects on strength and fracture properties of multi-walled carbon nanotubes. Transactions of the JSME (in Japanese), 2017, 83, 16-00283-16-00283.	0.2	4
27918	Effect of deformation on the structure of polyimide PM-A at low temperatures. Low Temperature Physics, 2017, 43, 1226-1229.	0.6	2
27919	Present Advancement in Production of Carbon Nanotubes and Their Derivatives from Industrial Waste with Promising Applications. KONA Powder and Particle Journal, 2017, 34, 24-43.	1.7	16
27920	Energetics and Electronic Structures of Inclusion Compounds of Large Fullerenes and Cycloparaphenylenes. Journal of the Physical Society of Japan, 2017, 86, 104702.	1.6	0

#	ARTICLE	IF	CITATIONS
27921	Photovoltaic performance of P3HT-porphyrin functionalized 1D CdS nanostructured organic inorganic bulk heterojunction hybrid solar cells. EPJ Applied Physics, 2017, 78, 34809.	0.7	5
27922	Study on preparation of CNTs-Cu composites materials by chemical coprecipitation hydrogen reduction solid state sintering process. Integrated Ferroelectrics, 2017, 183, 210-216.	0.7	4
27923	Column performance of carbon nanotube packed bed for methylene blue and orange red dye removal from waste water. IOP Conference Series: Materials Science and Engineering, 2017, 206, 012081.	0.6	3
27924	High speed, low power and approximated current mode XOR in secure image applications based on CNT. , 2017, , .		0
27925	Non-Covalent Functionalisation of C ₃₀ Fullerene by Pyrrole-<i>n</i>-Carboxylic Acid (<i>n</i>=2, 3): Density Functional Theory Studies. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2017, 73, 51-56.	1.5	12
27926	Capped carbon nanotubes with a number of ground state magnetization discontinuities increasing with their size. Journal of Physics Condensed Matter, 2017, 29, 215803.	1.8	4
27927	Temperature-dependent charge transport mechanisms in carbon sphere/polyaniline composite. AIP Advances, 2017, 7, 125229.	1.3	4
27928	Optical properties of chemically synthesized amorphous carbon nanotube and cadmium selenide quantum dot hybrid. , 2017, , .		1
27929	MWCNT from Carbon Black: Effect of Current Variation and Arc Application Time. Key Engineering Materials, 0, 737, 347-353.	0.4	0
27930	The effect of carbon nanoadditives on the tribological properties of industrial oils. Journal of Friction and Wear, 2017, 38, 359-363.	0.5	11
27931	Graphdiyne nanoribbons with open hexagonal rings: Existence of topological unprotected edge states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3337-3341.	2.1	12
27932	Fundamentals and Applications of Biological Redox Molecules and Nanocarbons Based on Electrochemical and Spectroelectrochemical Methods. Review of Polarography, 2017, 63, 13-20.	0.1	0
27933	The behavior of three-dimensional ultimately short optical pulses in a system of carbon nanotubes in the presence of an external magnetic field. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 ngBT /Overclock 10 Tf		0
27934	First principle study of structural and electronic transport properties of zigzag GaAs SWNT. , 2017, , .		1
27935	DFT Theoretical Calculation of the Site Selectivity of Dihydroxylated (5, 0) Zigzag Carbon Nanotube. Russian Journal of Physical Chemistry A, 2017, 91, 2636-2642.	0.6	2
27936	Preparation and characterization of mechanical properties of carbon nanotube reinforced hydroxyapatite composites consolidated by spark plasma sintering. IOP Conference Series: Materials Science and Engineering, 2017, 231, 012164.	0.6	5
27937	Interplay between the Kagome flat band and the Dirac cone in porous graphitic networks. Carbon, 2017, 125, 530-535.	10.3	23
27938	Computer models of nanotubes with ferromagnetic filler used in induction heating process. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
27939	Structural investigations of Eocene coals from foreland basin of central Nepal Himalaya. Energy Exploration and Exploitation, 2017, 35, 713-733.	2.3	15
27940	3.32 Carbon Nanotubes: Applications for In Situ Implant Sensors. , 2017, , 703-715.		0
27941	Flexible and highly sensitive pressure sensor using multi-walled carbon nanotubes. , 2017, , .		0
27942	Application of experimental design for quantification and voltammetric studies of sulfapyridine based on a nanostructure electrochemical sensor. Arabian Journal of Chemistry, 2017, 10, S3156-S3166.	4.9	29
27943	Synthesis and characterization of multi-walled carbon nanotubes modified with octadecylamine and polyethylene glycol. Arabian Journal of Chemistry, 2017, 10, S921-S927.	4.9	84
27944	Voltammetric determination of tryptophan in the presence of uric acid and dopamine using carbon paste electrode modified with multi-walled carbon nanotubes. Arabian Journal of Chemistry, 2017, 10, S1546-S1552.	4.9	29
27945	Engineered nanostructures: A review of their synthesis, characterization and toxic hazard considerations. Arabian Journal of Chemistry, 2017, 10, S376-S388.	4.9	23
27946	Ethyl benzene detection by BN nanotube: DFT studies. Journal of Saudi Chemical Society, 2017, 21, S12-S16.	5.2	23
27947	Adsorption properties of CH ₃ COOH on (6,0), (7,0), and (8,0) zigzag, and (4,4), and (5,5) armchair single-walled carbon nanotubes: A density functional study. Arabian Journal of Chemistry, 2017, 10, S3001-S3006.	4.9	9
27948	Carbon nanotube dispersion for in-vitro applications. DYNA (Colombia), 2017, 84, 24-30.	0.4	8
27949	The Enhanced Field-Emission Performance by Optimizing the Preparation Process of Carbon-Nanotube Cathode Film. , 2017, , .		0
27950	Comparison of the flexural strength of polymethyl methacrylate resin reinforced with multiwalled carbon nanotubes and processed by conventional water bath technique and microwave polymerization. Journal of Indian Prosthodontic Society, The, 2017, 17, 332.	1.0	10
27951	The Optical Phenomena of Interplay between Nanobio Complexes: A Theoretical Insight into Their Biomedical Applications. , 0, , .		2
27952	Suction Energy for Double-Stranded DNA Inside Single-Walled Carbon Nanotubes. Quarterly Journal of Mechanics and Applied Mathematics, 2017, 70, 387-400.	1.3	4
27953	A novel high-performance and reliable multi-threshold CNFET full adder cell design. International Journal of High Performance Systems Architecture, 2017, 7, 15.	0.3	5
27954	Latest Improvements of Acrylic-Based Polymer Properties for Biomedical Applications. , 0, , .		6
27955	3. Chemical Synthesis of Cycloparaphenylenes. , 2017, , .		0
27956	Effect of Carbon Nanotubes' Dimension on Microwave Absorption Property of Polyaniline Nanocomposites. Polymers and Polymer Composites, 2017, 25, 527-536.	1.9	0

#	ARTICLE	IF	CITATIONS
27957	1. The World of Nanotechnology. , 2017, , 1-40.		2
27958	Mechanical Properties of Polymer Nanocomposites Reinforced with High Aspect Ratio Fillers. Journal of the Adhesion Society of Japan, 2017, 53, 348-354.	0.0	1
27959	Development of a C ₇₀ -Fullerene Bonded Silica-Monolithic Capillary and Its Retention Characteristics in Liquid Chromatography. Chromatography, 2017, 38, 45-51.	1.7	12
27960	Polymer/Carbon Nanotubes (CNT) Nanocomposites Processing Using Additive Manufacturing (Three-Dimensional Printing) Technique: An Overview. Fibers, 2017, 5, 40.	4.0	62
27961	Mathematical Fundamentals of Nanotechnology. , 2017, , 209-232.		4
27962	Fillers (Including Fiber Reinforcements). , 2017, , 169-204.		18
27963	Modelos de percolação elétrica aplicados para compósitos poliméricos condutores. Polimeros, 2017, 27, 1-13.	0.7	9
27964	Recent Citation Classics in Antimicrobial Nanobiomaterials. , 2017, , 669-685.		4
27965	Rubber blend nanocomposites. , 2017, , 319-348.		5
27966	Hybrid carbon nanotube/fiber thermoplastic composites. , 2017, , 169-201.		3
27967	Asymmetric carrier accumulation in double-walled carbon nanotube by an external electric field. Applied Physics Express, 2017, 10, 075101.	2.4	2
27968	Catalytic Activity of Nanostructured Ceria-Based Materials Prepared by Different Synthesis Conditions. , 2017, , .		1
27969	Carbon Nanotubes in Targeting and Delivery of Drugs. , 2017, , 389-426.		5
27970	Carbon Nanotube-Based Chemiresistive Sensors. Sensors, 2017, 17, 882.	3.8	131
27971	Applications of Functionalized Carbon Nanotubes for the Therapy and Diagnosis of Cancer. Polymers, 2017, 9, 13.	4.5	54
27972	Continued Drive Signal Development for the Carbon Nanotube Thermoacoustic Loudspeaker Using Techniques Derived from the Hearing Aid Industry. , 2017, , .		3
27973	Ice as a Green-Structure-Directing Agent in the Synthesis of Macroporous MWCNTs and Chondroitin Sulphate Composites. Materials, 2017, 10, 355.	2.9	5
27974	Mussel-Inspired Dopamine and Carbon Nanotube Leading to a Biocompatible Self-Rolling Conductive Hydrogel Film. Materials, 2017, 10, 964.	2.9	12

#	ARTICLE	IF	CITATIONS
27975	Cl-Assisted Large Scale Synthesis of Cm-Scale Buckypapers of Fe ₃ C-Filled Carbon Nanotubes with Pseudo-Capacitor Properties: The Key Role of SBA-16 Catalyst Support as Synthesis Promoter. <i>Materials</i> , 2017, 10, 1216.	2.9	6
27976	Industrial-Graded Epoxy Nanocomposites with Mechanically Dispersed Multi-Walled Carbon Nanotubes: Static and Damping Properties. <i>Materials</i> , 2017, 10, 1222.	2.9	13
27977	The Effects of Carbon Nanotubes on the Mechanical and Wear Properties of AZ31 Alloy. <i>Materials</i> , 2017, 10, 1385.	2.9	49
27978	Metallurgical Challenges in Carbon Nanotube-Reinforced Metal Matrix Nanocomposites. <i>Metals</i> , 2017, 7, 384.	2.3	55
27979	Effect of Compression Process of MWCNT-Reinforced Al6061 Powder on Densification Characteristics and Its Mechanical Properties. <i>Metals</i> , 2017, 7, 437.	2.3	10
27980	Towards Multiplex Molecular Diagnosis—A Review of Microfluidic Genomics Technologies. <i>Micromachines</i> , 2017, 8, 266.	2.9	22
27981	Self-Organized TiO ₂ –MnO ₂ Nanotube Arrays for Efficient Photocatalytic Degradation of Toluene. <i>Molecules</i> , 2017, 22, 564.	3.8	43
27982	Influence of Plasma Jet Temperature Profiles in Arc Discharge Methods of Carbon Nanotubes Synthesis. <i>Nanomaterials</i> , 2017, 7, 50.	4.1	17
27983	Nanofluid Types, Their Synthesis, Properties and Incorporation in Direct Solar Thermal Collectors: A Review. <i>Nanomaterials</i> , 2017, 7, 131.	4.1	135
27984	Effects of Various Surfactants on the Dispersion of MWCNTs–OH in Aqueous Solution. <i>Nanomaterials</i> , 2017, 7, 262.	4.1	74
27985	Flotation Assembly of Large-Area Ultrathin MWCNT Nanofilms for Construction of Bioelectrodes. <i>Nanomaterials</i> , 2017, 7, 342.	4.1	5
27986	Influence of Synthesis Temperature on the Growth and Surface Morphology of Co ₃ O ₄ Nanocubes for Supercapacitor Applications. <i>Nanomaterials</i> , 2017, 7, 356.	4.1	50
27987	Toxicity Assessment of Carbon Nanomaterials in Zebrafish during Development. <i>Nanomaterials</i> , 2017, 7, 414.	4.1	64
27988	Effect of the Grafting Reaction of Aluminum Nitride on the Multi-Walled Carbon Nanotubes on the Thermal Properties of the Poly(phenylene sulfide) Composites. <i>Polymers</i> , 2017, 9, 452.	4.5	11
27989	Single Wall Carbon Nanotubes Based Cryogenic Temperature Sensor Platforms. <i>Sensors</i> , 2017, 17, 2071.	3.8	22
27990	Carbon-Based Nanomaterials in Biomass-Based Fuel-Fed Fuel Cells. <i>Sensors</i> , 2017, 17, 2587.	3.8	23
27991	Carbon-Based Nanomaterials Functionalized with Ionic Liquids for Microextraction in Sample Preparation. <i>Separations</i> , 2017, 4, 14.	2.4	30
27992	Micro- and nano-fillers used in the rubber industry. , 2017, , 41-80.		22

#	ARTICLE	IF	CITATIONS
27993	Nanotechnology for water purification: applications of nanotechnology methods in wastewater treatment. , 2017, , 33-74.		119
27994	Ultraviolet Spectroscopy. , 2017, , 55-72.		1
27995	Recent Advances in Nanomaterials for Gene Deliveryâ€”A Review. Nanomaterials, 2017, 7, 94.	4.1	275
27996	Chemical sensors based on hybrid nanomaterials for food analysis. , 2017, , 205-244.		12
27997	Biocomposites in therapeutic application. , 2017, , 1-29.		2
27998	Photodamage and photoprotection: toward safety and sustainability through nanotechnology solutions. , 2017, , 527-565.		5
27999	Prospects and State-of-the-Art of Carbon Nanotube Membranes in Desalination Processes. , 2017, , 305-339.		0
28000	Carbon Nanotube Membranes: Synthesis, Properties, and Future Filtration Applications. Nanomaterials, 2017, 7, 99.	4.1	110
28001	Raman scattering assessment of point defects in kesterite semiconductors: UV resonant Raman characterization for advanced photovoltaics. , 2017, , .		3
28002	Carbon Nanofibers Grown & In Situ & on Porous Glass. Journal of Nano Research, 0, 50, 1-17.	0.8	4
28003	Micro and Nanostructured Materials for the Development of Optical Fibre Sensors. Sensors, 2017, 17, 2312.	3.8	48
28004	Nanoparticulate Systems for Therapeutic and Diagnostic Applications. , 2017, , 105-144.		13
28005	Effective use of nanocarriers as drug delivery systems for the treatment of selected tumors. International Journal of Nanomedicine, 2017, Volume 12, 7291-7309.	6.7	984
28006	Optical Fibre Sensors Using Graphene-Based Materials: A Review. Sensors, 2017, 17, 155.	3.8	99
28007	Role of nanostructure molecules in enhancing the bioavailability of oral drugs. , 2017, , 375-407.		8
28008	Influence of Winkler-Pasternak Foundation on the Vibrational Behavior of Plates and Shells Reinforced by Agglomerated Carbon Nanotubes. Applied Sciences (Switzerland), 2017, 7, 1228.	2.5	69
28009	Current-Fluctuation Mechanism of Field Emitters Using Metallic Single-Walled Carbon Nanotubes with High Crystallinity. Applied Sciences (Switzerland), 2017, 7, 1322.	2.5	3
28010	An Overview of Pesticide Monitoring at Environmental Samples Using Carbon Nanotubes-Based Electrochemical Sensors. Journal of Carbon Research, 2017, 3, 8.	2.7	21

#	ARTICLE	IF	CITATIONS
28011	The Ultraviolet-Induced Functionalization of Multi-Walled Carbon Nanotubes with Polymer Radicals Generated from Polyvinyl Benzoate Derivatives. <i>Journal of Carbon Research</i> , 2017, 3, 28.	2.7	2
28012	Nanostructured Ceria-Based Materials: Effect of the Hydrothermal Synthesis Conditions on the Structural Properties and Catalytic Activity. <i>Catalysts</i> , 2017, 7, 174.	3.5	32
28013	Controllable and Large-Scale Synthesis of Carbon Nanostructures: A Review on Bamboo-Like Nanotubes. <i>Catalysts</i> , 2017, 7, 256.	3.5	47
28014	A Guide to and Review of the Use of Multiwavelength Raman Spectroscopy for Characterizing Defective Aromatic Carbon Solids: from Graphene to Amorphous Carbons. <i>Coatings</i> , 2017, 7, 153.	2.6	272
28015	Structure and Dynamics of Water at Carbon-Based Interfaces. <i>Entropy</i> , 2017, 19, 135.	2.2	16
28016	Carbon Nanotube-Based Nanomechanical Sensor: Theoretical Analysis of Mechanical and Vibrational Properties. <i>Electronics (Switzerland)</i> , 2017, 6, 56.	3.1	17
28017	Novel Carbon Materials in the Cathode Formulation for High Rate Rechargeable Hybrid Aqueous Batteries. <i>Energies</i> , 2017, 10, 1844.	3.1	8
28018	Hydration Phenomena of Functionalized Carbon Nanotubes (CNT)/Cement Composites. <i>Fibers</i> , 2017, 5, 39.	4.0	26
28019	Hydrothermal Synthesis, Characterization and Raman Vibrations of Chalcogenide SnS Nanorods. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 275, 012007.	0.6	9
28020	Adsorption of Toluene and Paraxylene from Aqueous Solution Using Pure and Iron Oxide Impregnated Carbon Nanotubes: Kinetics and Isotherms Study. <i>Bioinorganic Chemistry and Applications</i> , 2017, 2017, 1-11.	4.1	30
28021	Electrochemical Biosensors Based on Nanostructured Carbon Black: A Review. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-14.	2.7	90
28022	Effect of Gas Flowrate on Nucleation Mechanism of MWCNTs for a Compound Catalyst. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9.	2.7	5
28023	Electron Beam Irradiation Induced Multiwalled Carbon Nanotubes Fusion inside SEM. <i>Scanning</i> , 2017, 2017, 1-8.	1.5	2
28024	Surfactant Assisted Stabilization of Carbon Nanotubes Synthesized by a Spray Pyrolysis Method. <i>Advances in Condensed Matter Physics</i> , 2017, 2017, 1-7.	1.1	8
28025	Buffer Film Assisted Growth of Dense MWCNTs on Copper Foils for Flexible Electrochemical Applications. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-11.	2.7	1
28026	Heating Experiment of CNT Cementitious Composites with Single-Walled and Multiwalled Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-12.	2.7	18
28027	Growth of MWCNTs on Flexible Stainless Steels without Additional Catalysts. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-11.	2.7	9
28028	Effects of the Growth Time and the Thickness of the Buffer Layer on the Quality of the Carbon Nanotubes. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-6.	2.7	2

#	ARTICLE	IF	CITATIONS
28029	Synthesis and Characterization of the Optical Properties of Pt-TiO ₂ Nanotubes. Journal of Nanomaterials, 2017, 2017, 1-9.	2.7	3
28030	Structural Derivative and Electronic Property of Armchair Carbon Nanotubes from Carbon Clusters. Journal of Nanomaterials, 2017, 2017, 1-11.	2.7	6
28031	Utilizing Fullerenols as Surfactant for Carbon Nanotubes Dispersions Preparation. Journal of Materials, 2017, 2017, 1-7.	0.1	0
28032	Cold Plasma Processing of Materials for Extreme Conditions. , 2017, , 411-469.		1
28033	Materials Response Under Irradiation. , 2017, , 615-650.		0
28034	Dielectric and Electrical Properties of WS ₂ Nanotubes/Epoxy Composites and Their Use for Stress Monitoring of Structures. Journal of Nanomaterials, 2017, 2017, 1-13.	2.7	12
28035	Fullerene Formation. , 2017, , .		0
28036	Polymer Twin Screw Extrusion With Filler Powder Reinforcement. , 2017, , 691-705.		2
28037	Scientometric overview in food nanopreservation. , 2017, , 703-729.		1
28038	A Review on Lattice Defects in Graphene: Types, Generation, Effects and Regulation. Micromachines, 2017, 8, 163.	2.9	179
28039	Nanostructured carbon materials decorated with organophosphorus moieties: synthesis and application. Beilstein Journal of Nanotechnology, 2017, 8, 485-493.	2.8	10
28040	Essential Oils and Nanoparticles. , 2017, , 279-291.		5
28041	Fundamentals of Chemical Vapor Deposited Graphene and Emerging Applications. , 0, , .		9
28042	Application of CNTs Gas Sensor in Online Monitoring of SF ₆ Insulated Equipment. , 0, , .		0
28043	Chemical Synthesis of Cycloparaphenylenes. ChemistrySelect, 2017, 2, .	1.5	7
28044	Sustainable Delivery Systems Through Green Nanotechnology. , 2017, , 17-32.		29
28045	Micro- and Nanomechanics of PU Polymer-Based Composites and Nanocomposites. , 2017, , 21-71.		1
28046	Functional Host-Guest Materials. , 2017, , 493-543.		6

#	ARTICLE	IF	CITATIONS
28047	High performance carbon nanotube based folded cascode operational transconductance amplifiers. , 2017, , .		5
28048	Size-dependent buckling analysis of different chirality SWCNT under combined axial and radial loading based on orthotropic model. Materials Research Express, 2017, 4, 065004.	1.6	5
28049	SAW study of structural changes in liquid crystals doped with carbon nanotubes induced by electric and magnetic fields. , 2017, , .		0
28050	Free vibration analysis of a rotating nanoshaft based SWCNT. European Physical Journal Plus, 2017, 132, 1.	2.6	7
28051	Study on preparation of CNTs-Cu composites materials by hydrazine hydrate reduction-solid state sintering process. Ferroelectrics, 2017, 521, 32-37.	0.6	2
28052	Experimental Investigation on Moisture Transfer of Carbon Nanotube Membranes. Energy Procedia, 2017, 143, 245-250.	1.8	0
28053	Direct current induced multi-walled carbon nanotubes/graphene layer fusion. , 2017, , .		0
28054	Induction heating process of ferromagnetic filled carbon nanotubes based on 3-D model. Open Physics, 2017, 15, 1061-1066.	1.7	4
28055	Flame Synthesis of Carbon Nanotube through a Diesel Engine Using Normal Dodecane/Ethanol Mixing Fuel as a Feedstock. Journal of Chemical Engineering of Japan, 2017, 50, 178-185.	0.6	10
28056	A Short Review of Synthesis of Graphdiyne and Its Potential Applications. International Journal of Electrochemical Science, 2017, 12, 10348-10358.	1.3	19
28057	CdSe/ZnS Quantum Dot (QD) Sensitized Solar Cell Utilizing a Multi-Walled Carbon Nanotube Photoanode on a Stainless Steel Substrate. International Journal of Electrochemical Science, 2017, , 3814-3825.	1.3	5
28058	Effect of Template on the Structure of Carbon Nanotubes Grown by Catalytic Chemical Vapor Deposition Method. Modern Chemistry & Applications, 2017, 05, .	0.2	1
28059	Strain-induced charge transfer and polarity control of a heterosheet comprising C ₆₀ and graphene. Applied Physics Express, 2017, 10, 095101.	2.4	6
28060	A Highly Selective and Sensitive Detection of Ellagic Acid by Using Ethylenediamine Ligand Based Cobalt (II) Complex Modified Glassy Carbon Electrode. International Journal of Electrochemical Science, 2017, 12, 6829-6841.	1.3	12
28061	The Carbon Nanotubes Effect into Single-lap Joint Failure Modes and Load Capacity: a Macromechanical Analysis. Materials Research, 2017, 20, 143-152.	1.3	8
28062	Processing of ferroelectric polymer composites. , 2017, , 249-280.		3
28063	Characterization of the Electrical Properties of Silicon Nanowire using the Dielectrophoretic Assembling Platform. International Journal of Electrochemical Science, 2017, , 8651-8662.	1.3	0
28064	Interfacial Mechanical Behaviors in Carbon Nanotube Assemblies. , 0, , .		4

#	ARTICLE	IF	CITATIONS
28065	Electrochemical behaviour of graphene and carbon nanotubes based hybrid polymer composites. , 2017, , 211-248.		4
28066	Nonlocal Elasticity Theories. , 2017, , 301-334.		1
28067	Scientometric overview regarding water nanopurification. , 2017, , 693-716.		3
28068	Deflection and Buckling behaviour of simply supported nanocomposite beams under FSDT approach. IOP Conference Series: Materials Science and Engineering, 2017, 225, 012284.	0.6	1
28069	Influence of Carbon Fillers on Thermal Properties and Flammability of Polymeric Nanocomposites. International Polymer Processing, 2017, 32, 270-289.	0.5	5
28070	Nonlinear Vibrations of a SWCNT with Geometrical Imperfection Using Nonlocal Elasticity Theory. Modern Applied Science, 2017, 11, 91.	0.6	5
28071	Interesting behavior of polymers containing multiwall carbon nanotubes. IOP Conference Series: Materials Science and Engineering, 2017, 175, 012027.	0.6	0
28072	Fabrication and Characterization of Carbonized Rice Husk/Barium Titanate Nanocomposites. IOP Conference Series: Materials Science and Engineering, 2017, 229, 012024.	0.6	6
28073	Compressive Strength Enhancement of Vertically Aligned Carbon Nanotube Forests by Constraint of Graphene Sheets. Materials, 2017, 10, 206.	2.9	4
28074	CNT coated thread micro-electro-mechanical system for finger proprioception sensing. Journal of Physics: Conference Series, 2017, 817, 012003.	0.4	4
28075	Fibonacci Nanostructures for Novel Nanotherapeutical Approach. , 2017, , 49-74.		3
28076	Biofunctionalized nanomaterials for targeting cancer cells. , 2017, , 51-86.		4
28077	Characteristics of multiwalled carbon nanotubes-rhenium nanocomposites with varied rhenium mass fractions. Nanomaterials and Nanotechnology, 2017, 7, 184798041770717.	3.0	14
28078	Effects of Covalent Functionalization of MWCNTs on the Thermal Properties and Non-Isothermal Crystallization Behaviors of PPS Composites. Polymers, 2017, 9, 460.	4.5	13
28079	Migration Behavior of Carbon Nanotube in Capillary Electrophoresis with Sodium Dodecyl Sulfate and Water-Soluble Nonionic Polymer. Chromatography, 2017, 38, 101-106.	1.7	5
28080	Carbon belts and chains aid nanotech resurgence. Nature, 2017, 552, S45-S47.	27.8	2
28081	The Growth of Carbon Nanotubes via Chemical Vapor Deposition Method; its Purification and Functionalization. Indian Journal of Science and Technology, 2017, 10, 1-8.	0.7	2
28082	PHYSICAL DISPERSION OF NANOCARBONS IN COMPOSITES—A REVIEW. Jurnal Teknologi (Sciences and Engineering), 2017, 59, 1-14.	0.784314	19

#	ARTICLE	IF	CITATIONS
28083	THE ROLE OF CARBON NANOTUBES IN NANOBIO-MEDICINES. International Journal of Pharmacy and Pharmaceutical Sciences, 2017, 9, 235.	0.3	2
28084	Avaliação das propriedades dinâmico mecânicas e reológicas de compostos nanoestruturados de PPS/MWCNT. Polimeros, 2017, 27, 56-60.	0.7	1
28085	Quality Control of Raw Materials. , 2017, , 1-22.		2
28086	Master curves for the sulphur assisted crosslinking reaction of natural rubber in the presence of nano- and nano-structured sp ² carbon allotropes. EXPRESS Polymer Letters, 2017, 11, 435-448.	2.1	12
28087	Synthesis of carbon nanostructures from high density polyethylene (HDPE) and polyethylene terephthalate (PET) waste by chemical vapour deposition. Journal of Physics: Conference Series, 2017, 914, 012029.	0.4	3
28088	Analytical modeling to study the effect of hydrogen plasma on the growth of multi-walled carbon nanotubes. Journal of Physics: Conference Series, 2017, 836, 012017.	0.4	0
28089	Polymer-carbon nanotubes composites obtained via radical polymerization in water-dispersed media. , 2017, , 281-305.		1
28090	Features and Application of Carbon Nanotube and Rubber Composites. Nippon Gomu Kyokaishi, 2017, 90, 200-205.	0.0	0
28091	Carbon Nanotubes: Mechanism, Langmuir Hinshelwood Growth Kinetics and Its Application for the Removal of Chromium (VI). Journal of Membrane Science & Technology, 2017, 07, .	0.5	0
28092	Quantum Investigation (NMR and Electronic Properties) of SWCNT (6, 6) with 5-Fluorouracil as Nano Carrier. Oriental Journal of Chemistry, 2017, 33, 2282-2291.	0.3	0
28093	Features and Application of Carbon Nanotube and Rubber Composites. International Polymer Science and Technology, 2017, 44, 33-38.	0.1	1
28094	Fabrication and Properties of Magnesium Matrix Composite Reinforced by Carbon Nanotubes-Alumina Hybrid Reinforcements. Advanced Composites Letters, 2017, 26, 096369351702600.	1.3	1
28096	Geometry and Mechanics of Carbon Nanostructures. , 2017, , 1-33.		3
28097	Nano-oscillators. , 2017, , 149-175.		0
28098	Scientometric overview regarding oral cancer nanomedicine. , 2017, , 939-962.		2
28099	Fabrication of poly (Solid Red A) modified carbon nano tube paste electrode and its application for simultaneous determination of epinephrine, uric acid and ascorbic acid. Arabian Journal of Chemistry, 2018, 11, 149-158.	4.9	76
28100	Hierarchical structure of MWCNT reinforced semicrystalline HDPE composites: A contrast matching study by neutron and X-ray scattering. European Polymer Journal, 2018, 99, 18-26.	5.4	22
28101	Energetics and electronic structures of nitrogen chains encapsulated in zigzag carbon nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 103, 444-451.	2.7	19

#	ARTICLE	IF	CITATIONS
28102	Two Sprayer CVD Synthesis of Nitrogen-doped Carbon Sponge-type Nanomaterials. Scientific Reports, 2018, 8, 2983.	3.3	29
28103	Mechanical properties of hollow and water-filled graphyne nanotube and carbon nanotube hybrid structure. Nanotechnology, 2018, 29, 195702.	2.6	7
28104	A study on the effect of pyrene derivatives on the noncovalent sidewall functionalisation of carbon nanotube buckypapers. Thin Solid Films, 2018, 651, 77-84.	1.8	5
28105	Catalytic synthesis of boron nitride nanotubes at low temperatures. Nanoscale, 2018, 10, 4658-4662.	5.6	11
28106	Carbon nanotube-based black coatings. Applied Physics Reviews, 2018, 5, .	11.3	91
28107	Fouling-resistant membranes for water reuse. Environmental Chemistry Letters, 2018, 16, 715-763.	16.2	80
28108	Nano-scale effects on nonlocal boundary conditions for exact buckling analysis of nano-beams with different end conditions. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	5
28109	A molecular dynamics study on the thermal conductivity of endohedrally functionalized single-walled carbon nanotubes with gold nanowires. European Physical Journal D, 2018, 72, 1.	1.3	23
28110	Vibration and bending behavior of functionally graded nanocomposite doubly-curved shallow shells reinforced by graphene nanoplatelets. Results in Physics, 2018, 9, 550-559.	4.1	212
28111	Designed synthesis of anataseâ€“TiO ₂ (B) biphasic nanowire/ZnO nanoparticle heterojunction for enhanced photocatalysis. Journal of Materials Chemistry A, 2018, 6, 8289-8298.	10.3	91
28112	Improved mechanical and tribological properties of A356 reinforced by MWCNTs. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 185-194.	2.1	19
28113	Equilibrium structures and flows of polar and nonpolar liquids in different carbon nanotubes. European Physical Journal B, 2018, 91, 1.	1.5	8
28114	Toxicity of carbon nanotubes: A review. Toxicology and Industrial Health, 2018, 34, 200-210.	1.4	203
28115	CNT Applications in Drug and Biomolecule Delivery. , 2018, , 61-64.		12
28116	Synthesis and Chemical Modification of Graphene. , 2018, , 107-119.		0
28117	Graphene Applications in Sensors. , 2018, , 125-132.		0
28119	Medical and Pharmaceutical Applications of Graphene. , 2018, , 149-150.		2
28120	Graphene Applications in Specialized Materials. , 2018, , 151-154.		0

#	ARTICLE	IF	CITATIONS
28121	Miscellaneous Applications of Graphene. , 2018, , 155-155.		0
28122	Basic Electrochromics of CPs. , 2018, , 251-282.		0
28123	Batteries and Energy Devices. , 2018, , 575-600.		0
28124	Brief, General Overview of Applications. , 2018, , 43-44.		0
28125	CNT Applications in Batteries and Energy Devices. , 2018, , 49-52.		1
28126	Core-shell structured carbon nanotube-poly(methylmethacrylate) beads as thermo-conductive filler in epoxy composites. Composites Part A: Applied Science and Manufacturing, 2018, 109, 55-62.	7.6	20
28127	Understanding the co-loading and releasing of doxorubicin and paclitaxel using chitosan functionalized single-walled carbon nanotubes by molecular dynamics simulations. Physical Chemistry Chemical Physics, 2018, 20, 9389-9400.	2.8	78
28128	Flow-induced and mechanical stability of cantilever carbon nanotubes subjected to an axial compressive load. Applied Mathematical Modelling, 2018, 59, 597-613.	4.2	35
28129	Direct nanomechanical characterization of carbon nanotubes - titanium interfaces. Carbon, 2018, 132, 548-555.	10.3	34
28130	Development of carboxyl-functionalized multi-walled nanotube/polydimethylsiloxane novel polymeric nanodielectric material. Materials Letters, 2018, 216, 281-286.	2.6	13
28131	Effect of multi-walled carbon nanotube addition on the microstructures and mechanical properties of Ti(C,N)-based cermets. Journal of Advanced Ceramics, 2018, 7, 58-63.	17.4	11
28132	Structural and surface modification of carbon nanotubes for enhanced hydrogen storage density. Nano Structures Nano Objects, 2018, 14, 57-65.	3.5	50
28133	Carbon nanotubes or carbon globules: Optimization of the pyrolytic synthesis parameters and study of the magnetic properties. Nano Structures Nano Objects, 2018, 14, 131-137.	3.5	26
28134	Small Carbon Nano-Onions: An Ion Mobility Mass Spectrometric Study. Journal of Physical Chemistry C, 2018, 122, 5195-5200.	3.1	12
28135	On the electronic and transport properties of semiconducting carbon nanotubes: the role of π -defects. Journal of Computational Electronics, 2018, 17, 521-530.	2.5	8
28136	Periodical patterning of a fully tailored nanocarbon on CNT for fabrication of thermoplastic composites. Composites Part A: Applied Science and Manufacturing, 2018, 107, 304-314.	7.6	25
28137	Optical reflectance of patterned frost column-like CNT forest for metamaterial applications. Diamond and Related Materials, 2018, 83, 196-203.	3.9	5
28138	Synthesis of nanotubes under carbon environment at low temperature using hydrothermal method. Optik, 2018, 162, 81-85.	2.9	5

#	ARTICLE	IF	CITATIONS
28139	Experimental investigation on the tribological properties of modified carbon nanotubes as the additive in castor oil. <i>Industrial Lubrication and Tribology</i> , 2018, 70, 499-505.	1.3	8
28140	Engineering of Mesoporous Silica Coated Carbon-Based Materials Optimized for an Ultrahigh Doxorubicin Payload and a Drug Release Activated by pH, H_2O_2 , and NIR Light. <i>Advanced Functional Materials</i> , 2018, 28, 1706996.	14.9	36
28141	Review of Carbon Materials for Lithium-Sulfur Batteries. <i>ChemistrySelect</i> , 2018, 3, 2245-2260.	1.5	92
28142	An anionic single-walled metal-organic nanotube with an armchair (3,3) topology as an extremely smart adsorbent for the effective and selective adsorption of cationic carcinogenic dyes. <i>Chemical Communications</i> , 2018, 54, 3006-3009.	4.1	67
28143	Flexural behavior of 3D aramid/phenolic/nano (MWCNT) composites. <i>RSC Advances</i> , 2018, 8, 7213-7224.	3.6	16
28144	Effects of physical and chemical adsorption on the electric conductance of carbon nanotube films. <i>AIP Advances</i> , 2018, 8, .	1.3	9
28145	Multiwall carbon nanotube embedded phenolic resin-based carbon foam for the removal of As (V) from contaminated water. <i>Materials Research Express</i> , 2018, 5, 035601.	1.6	13
28146	Tailored distribution of nanoparticles in bi-phasic polymeric blends as emerging materials for suppressing electromagnetic radiation: challenges and prospects. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3120-3142.	5.5	73
28147	Orthorhombic carbon oC24: A novel topological nodal line semimetal. <i>Carbon</i> , 2018, 133, 39-43.	10.3	48
28148	Structural and electronic properties of two-dimensional (110) diamond nanofilms by first-principles calculations. <i>Diamond and Related Materials</i> , 2018, 84, 55-61.	3.9	21
28149	Effect of Carbon Nanotubes on Properties of Ceramics Based Composite Coatings. <i>Advanced Engineering Forum</i> , 0, 26, 53-66.	0.3	11
28150	MWCNT for ambient urea synthesis. <i>Physica B: Condensed Matter</i> , 2018, 545, 358-369.	2.7	6
28151	20 years of nanotube transistors. <i>Nature Electronics</i> , 2018, 1, 149-149.	26.0	4
28152	Free vibration analysis of a single-walled carbon nanotube embedded in an elastic matrix under rotational restraints. <i>Micro and Nano Letters</i> , 2018, 13, 202-206.	1.3	25
28153	Carbon nanotube and its applications in textile industry – A review. <i>Journal of the Textile Institute</i> , 2018, 109, 1653-1666.	1.9	48
28154	Progress on utilizing hyperthermia for mitigating bacterial infections. <i>International Journal of Hyperthermia</i> , 2018, 34, 144-156.	2.5	66
28155	PEGylated multi-walled carbon nanotubes as versatile vector for tumor-specific intracellular triggered release with enhanced anti-cancer efficiency: Optimization of length and PEGylation degree. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 168, 43-49.	5.0	29
28156	Reactivity of cycloparaphenylenes: Studying the possible growth of single-walled carbon nanotubes with DFT methods. <i>Chemical Physics Letters</i> , 2018, 697, 17-22.	2.6	2

#	ARTICLE	IF	CITATIONS
28157	Vertically aligned double wall carbon nanotube arrays adsorbent for pure and mixture adsorption of H ₂ S, ethylbenzene and carbon monoxide, grand canonical Monte Carlo simulation. Journal of Molecular Graphics and Modelling, 2018, 81, 86-96.	2.4	9
28158	Evaluation of mechanical properties of functionalized carbon nanotube reinforced PMMA polymer nanocomposite. Karbala International Journal of Modern Science, 2018, 4, 207-215.	1.0	36
28159	Graphene/Semiconductor Hybrid Heterostructures for Optoelectronic Device Applications. Nano Today, 2018, 19, 41-83.	11.9	172
28160	UV photo-responsivity of a large-area MWCNT-Si photodetector operated at cryogenic temperature. European Physical Journal Plus, 2018, 133, 1.	2.6	7
28161	Facile covalent functionalization of carbon nanotubes via Diels-Alder reaction in deep eutectic solvents. Applied Surface Science, 2018, 450, 122-129.	6.1	18
28162	Functionalized carbon nanotube reinforced polymer nanocomposite microcapsules with enhanced stiffness. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 550, 82-89.	4.7	21
28163	A review on the processing technologies of carbon nanotube/silicon carbide composites. Journal of the European Ceramic Society, 2018, 38, 3695-3708.	5.7	54
28164	Correction Scheme for Comparison of Computed and Experimental Optical Transition Energies in Functionalized Single-Walled Carbon Nanotubes. Journal of Physical Chemistry Letters, 2018, 9, 2460-2468.	4.6	21
28165	The Role of Topology in Materials. Springer Series in Solid-state Sciences, 2018, , .	0.3	3
28166	Electrospun Nanocomposite Nanofibres With Magnetic Nanoparticle Decorated Carbon Nanotubes. Macromolecular Symposia, 2018, 378, 1600140.	0.7	4
28167	Kinetic theory for the formation of diamond nanothreads with desired configurations: a strain-temperature controlled phase diagram. Nanoscale, 2018, 10, 9664-9672.	5.6	13
28168	Effect of the Molar Concentration of a Solution on Nanocomposite Crystal Growth in Ferroelectric-Carbon Nanotube Composites Fabricated by using the Sol-gel Method. Journal of the Korean Physical Society, 2018, 72, 800-804.	0.7	2
28169	Dispersion of Single-Walled Carbon Nanotubes in Organic Solvents DMAC. , 2018, , 841-852.		0
28170	Fabrication and Characterization of AA7075 Metal Matrix Composite Reinforced With MWCNT. Materials Today: Proceedings, 2018, 5, 8001-8007.	1.8	12
28171	Surface Science and Vacuum. Vacuum and Surface Science, 2018, 61, 15-20.	0.1	0
28172	Topology-Induced Geometry and Properties of Carbon Nanomaterials. Springer Series in Solid-state Sciences, 2018, , 53-84.	0.3	0
28173	Solid-State Materials for Hydrogen Storage. , 2018, , 443-467.		3
28174	Three-dimensional multi-walled carbon nanotubes@g-C ₃ N ₄ @Fe ₃ O ₄ nanocomposites-based magnetic solid phase extraction for the determination of polycyclic aromatic hydrocarbons in water samples. Microchemical Journal, 2018, 142, 385-393.	4.5	35

#	ARTICLE	IF	CITATIONS
28175	Morphology- and ion size-induced actuation of carbon nanotube architectures. International Journal of Smart and Nano Materials, 2018, 9, 111-134.	4.2	9
28176	Mechanical behavior of glass/epoxy composite laminate with varying amount of MWCNTs under different loadings. Materials Research Express, 2018, 5, 055012.	1.6	21
28177	Effect of Supports on Catalytic Centers. Nanostructure Science and Technology, 2018, , 169-201.	0.1	0
28178	A hierarchical nano to macro multiscale analysis of monotonic behavior of concrete columns made of CNT-reinforced cement composite. Construction and Building Materials, 2018, 175, 134-143.	7.2	28
28179	Giant magnetic coercivity in Fe ₃ C-filled carbon nanotubes. RSC Advances, 2018, 8, 13820-13825.	3.6	8
28180	Study on Preparation and Properties of HVBR Reinforced with Si69-modified Carbon Nanotubes. Polymer-Plastics Technology and Engineering, 2018, 57, 1953-1962.	1.9	3
28181	Material selection for THz antennas. Microwave and Optical Technology Letters, 2018, 60, 1183-1187.	1.4	57
28182	Molecular dynamics simulations of the polymer/amine functionalized single-walled carbon nanotubes interactions. Applied Surface Science, 2018, 455, 171-180.	6.1	21
28183	Effective elastoplastic properties of carbon nanotube-reinforced aluminum nanocomposites considering the residual stresses. Journal of Alloys and Compounds, 2018, 752, 476-488.	5.5	26
28184	Low temperature synthesis of coiled carbon nanotubes and their magnetic properties. AIP Conference Proceedings, 2018, , .	0.4	1
28185	Carbon nanotubes as catalyst support in chemical vapor deposition reaction: A review. Journal of Industrial and Engineering Chemistry, 2018, 65, 1-12.	5.8	91
28186	Carbon-based hybrid nanogels: a synergistic nanoplatform for combined biosensing, bioimaging, and responsive drug delivery. Chemical Society Reviews, 2018, 47, 4198-4232.	38.1	201
28187	Exploring the size effects of Al ₄ C ₃ on the mechanical properties and thermal behaviors of Al-based composites reinforced by SiC and carbon nanotubes. Carbon, 2018, 135, 224-235.	10.3	147
28188	A comprehensive study on thermal conductivities of wavy carbon nanotube-reinforced cementitious nanocomposites. Cement and Concrete Composites, 2018, 90, 108-118.	10.7	22
28189	Fabrication of carbon nanotube transparent conductive films by vacuum filtration method. Materials Letters, 2018, 223, 210-214.	2.6	42
28190	Dry friction and wear of self-lubricating carbon-nanotube-containing surfaces. Wear, 2018, 406-407, 33-42.	3.1	34
28191	In-plane electrical conduction mechanisms of highly dense carbon nanotube forests on silicon carbide. Journal of Applied Physics, 2018, 123, 045104.	2.5	3
28192	Grafting Multiwalled Carbon Nanotubes with Polystyrene to Enable Self-Assembly and Anisotropic Patchiness. Journal of Visualized Experiments, 2018, , .	0.3	1

#	ARTICLE	IF	CITATIONS
28193	Study of mechanical behavior of BNNT-reinforced aluminum composites using molecular dynamics simulations. <i>Composite Structures</i> , 2018, 194, 80-86.	5.8	44
28194	Roll-to-roll continuous carbon nanotube sheets with high electrical conductivity. <i>RSC Advances</i> , 2018, 8, 12692-12700.	3.6	20
28195	Thermal conduction of one-dimensional carbon nanomaterials and nanoarchitectures. <i>Chinese Physics B</i> , 2018, 27, 038103.	1.4	14
28196	Correlation of mechanical and electrical properties with processing variables in MWCNT reinforced thermoplastic nanocomposites. <i>Journal of Composite Materials</i> , 2018, 52, 3681-3697.	2.4	7
28197	A review on the mechanical, electrical and EMI shielding properties of carbon nanotubes and graphene reinforced polycarbonate nanocomposites. <i>Polymers for Advanced Technologies</i> , 2018, 29, 1547-1567.	3.2	94
28198	Carbon-supported metal single atom catalysts. <i>New Carbon Materials</i> , 2018, 33, 1-11.	6.1	74
28199	Templated microwave synthesis of luminescent carbon nanofibers. <i>RSC Advances</i> , 2018, 8, 12907-12917.	3.6	18
28200	A High-Stability QCM Humidity Sensor Coated With Nanodiamond/Multiwalled Carbon Nanotubes Nanocomposite. <i>IEEE Nanotechnology Magazine</i> , 2018, 17, 506-512.	2.0	21
28201	Study of the effect of osmotic pressure on the water permeability of carbon-based two-dimensional materials. <i>Computational Materials Science</i> , 2018, 150, 9-14.	3.0	1
28202	Low-profile full-metal rimmed antenna with less nonground portion for smartphones. <i>Microwave and Optical Technology Letters</i> , 2018, 60, 1187-1193.	1.4	0
28203	Thermoelastic vibration and stability of temperature-dependent carbon nanotube-reinforced composite plates. <i>Composite Structures</i> , 2018, 196, 199-214.	5.8	39
28204	Self-cleaning superhydrophobic nanocomposite surfaces generated by laser pulse heating. <i>Journal of Colloid and Interface Science</i> , 2018, 524, 204-208.	9.4	37
28205	Surface coating copper powder with carbon nanotubes using traditional and stirred ball mills under various experimental conditions. <i>Particuology</i> , 2018, 40, 177-182.	3.6	8
28206	Carbon nanotubes (CNTs) based advanced dermal therapeutics: current trends and future potential. <i>Nanoscale</i> , 2018, 10, 8911-8937.	5.6	64
28207	On/off ratio enhancement in single-walled carbon nanotube field-effect transistor by controlling network density via sonication. <i>Applied Surface Science</i> , 2018, 444, 442-447.	6.1	2
28208	Spin-charge transport properties of a Z-shaped \pm -graphyne nanoribbon junction with different edge passivations. <i>Carbon</i> , 2018, 131, 160-167.	10.3	31
28209	Propagation of three-dimensional bipolar ultrashort electromagnetic pulses in an inhomogeneous array of carbon nanotubes. <i>Physical Review A</i> , 2018, 97, .	2.5	11
28210	High-performing multi-walled carbon nanotubes/silica nanocomposites for elastomer application. <i>Composites Science and Technology</i> , 2018, 162, 23-32.	7.8	45

#	ARTICLE	IF	CITATIONS
28211	Magnetization curves of electrodeposited Ni, Fe and Co nanotubes. <i>Materials Letters</i> , 2018, 223, 78-81.	2.6	4
28212	Water-assisted growth of graphene-carbon nanotube hybrids in plasma. <i>Physics of Plasmas</i> , 2018, 25, 043503.	1.9	2
28213	Estimation of Effective Directional Strength of Single Walled Wavy CNT Reinforced Nanocomposite. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 338, 012016.	0.6	2
28214	Graphene-reinforced elastomeric nanocomposites: A review. <i>Polymer Testing</i> , 2018, 68, 160-184.	4.8	75
28215	Thermal and Small-Scale Effects on Vibration of Embedded Armchair Single-Walled Carbon Nanotubes. <i>Journal of Nano Research</i> , 0, 51, 24-38.	0.8	14
28216	New Ordered Structure of Amorphous Carbon Clusters Induced by Fullerene-Cubane Reactions. <i>Advanced Materials</i> , 2018, 30, e1706916.	21.0	18
28217	How to Construct DNA Hydrogels for Environmental Applications: Advanced Water Treatment and Environmental Analysis. <i>Small</i> , 2018, 14, e1703305.	10.0	59
28218	Synthesis and evaluation of apoptosis induction levels of carbamate- and thiocarbamate-functionalized multi-walled carbon nanotubes. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1097-1106.	2.2	2
28219	Efficient surface functionalization of vertically-aligned carbon nanotube arrays using an atmospheric pressure plasma jet system. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 116-122.	2.1	8
28220	Palghat gap reveals presence of two diverged populations of Nilgiri tahr (<i>Nilgiritragus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 0,4	0.4	8
28221	Quantitative imaging of carbon dimer precursor for nanomaterial synthesis in the carbon arc. <i>Plasma Sources Science and Technology</i> , 2018, 27, 025008.	3.1	11
28222	Studies on biodegradable polyurethane-SWCNTs nanocomposite films by covalent approach: Physicochemical, electric and mechanical properties. <i>Applied Surface Science</i> , 2018, 449, 745-754.	6.1	19
28223	A short review of nanographenes: structures, properties and applications. <i>Molecular Physics</i> , 2018, 116, 987-1002.	1.7	10
28224	Metallized compliant 3D microstructures for dry contact thermal conductance enhancement. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 055005.	2.6	2
28225	A novel sorbent based on carbon nanotube/amino-functionalized sol-gel for the headspace solid-phase microextraction of <i>l</i> - α -bisabolol from medicinal plant samples using experimental design. <i>Journal of Separation Science</i> , 2018, 41, 2229-2236.	2.5	7
28226	Recent progress in the modification of carbon materials and their application in composites for electromagnetic interference shielding. <i>Journal of Materials Science</i> , 2018, 53, 8699-8719.	3.7	56
28227	Nanoscale welding of multi-walled carbon nanotubes by 1064-nm fiber laser. <i>Optics and Laser Technology</i> , 2018, 103, 327-329.	4.6	11
28228	Patterns of Carbon Nanotubes by Flow-Directed Deposition on Substrates with Architected Topographies. <i>Nano Letters</i> , 2018, 18, 1660-1667.	9.1	6

#	ARTICLE	IF	CITATIONS
28229	Polyaromatic molecular tubes: from strategic synthesis to host functions. Chemical Communications, 2018, 54, 3195-3206.	4.1	48
28230	Ultrasensitive sensor for detection of early stage chronic kidney disease in human. Biosensors and Bioelectronics, 2018, 105, 90-94.	10.1	45
28231	Thermoelectric properties of carbon nanotube reinforced cement-based composites fabricated by compression shear. Ceramics International, 2018, 44, 5829-5833.	4.8	60
28232	Three-dimensional buckling and free vibration analyses of initially stressed functionally graded graphene reinforced composite cylindrical shell. Composite Structures, 2018, 189, 560-569.	5.8	196
28233	Enhanced hydrogen generation by water electrolysis employing carbon nano-structure composites. International Journal of Hydrogen Energy, 2018, 43, 3180-3189.	7.1	35
28234	Direct synthesis of hollow carbon nanofibers on bio-char during microwave pyrolysis of pine nut shell. Journal of Analytical and Applied Pyrolysis, 2018, 130, 142-148.	5.5	38
28235	Immobilization of Pt nanoparticles in hollow mesoporous silica nanocapsules: An aggregation- and leaching-resistant catalyst. Journal of Colloid and Interface Science, 2018, 516, 407-415.	9.4	26
28236	Rolling up graphene oxide sheets through solvent-induced self-assembly in dispersions. Nanoscale, 2018, 10, 4113-4122.	5.6	25
28237	Four-Wave-Mixing Approach to <i>In Situ</i> Detection of Nanoparticles. Physical Review Applied, 2018, 9, .	3.8	20
28238	Large-scale synthesis of coiled-like shaped carbon nanotubes using bi-metal catalyst. Applied Nanoscience (Switzerland), 2018, 8, 105-113.	3.1	15
28239	Preparation and electrocatalytic properties of gold nanoparticles loaded carbon nanotubes. Chinese Chemical Letters, 2018, 29, 1633-1636.	9.0	5
28240	TiC-modified carbon nanotubes, TiC nanotubes and TiC nanorods: Synthesis and characterization. Ceramics International, 2018, 44, 7949-7954.	4.8	35
28241	Antimicrobial activity of functionalized single-walled carbon nanotube with herbal extract of <i>Hempeadu bumi</i> . Surface and Interface Analysis, 2018, 50, 354-361.	1.8	18
28242	Simulation of mechanical parameters of graphene using the DREIDING force field. Acta Mechanica, 2018, 229, 2343-2378.	2.1	29
28243	Electronic and optical properties of functionalized zigzag ZnO nanotubes. Journal of Molecular Modeling, 2018, 24, 48.	1.8	12
28244	Large-scale fabrication of SnO ₂ /CNTs heterostructure. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 76-79.	2.1	2
28245	C_n ($n = 2^m$): current status. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170145.	3.4	21
28246	Volcanic Eruption Forecasts From Accelerating Rates of Drumbeat Long-Period Earthquakes. Geophysical Research Letters, 2018, 45, 1339-1348.	4.0	22

#	ARTICLE	IF	CITATIONS
28247	Production of bamboo-type carbon nanotubes doped with nitrogen from polyamide pyrolysis gas. Journal of Analytical and Applied Pyrolysis, 2018, 130, 52-61.	5.5	17
28249	Chemistry through cocrystals: pressure-induced polymerization of $C_{2H_2} \cdot C_6H_6$ to an extended crystalline hydrocarbon. Physical Chemistry Chemical Physics, 2018, 20, 7282-7294.	2.8	15
28250	Multi-wall Carbon Nanotubes Decorated with Bismuth Oxide Nanocrystals Using Infrared Irradiation and Diazonium Chemistry. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1402-1413.	3.7	10
28251	High-yield production of large aspect ratio carbon nanotubes via catalytic pyrolysis of cheap coal tar pitch. Carbon, 2018, 130, 701-713.	10.3	43
28252	Magnetic anisotropy of functionalized multi-walled carbon nanotube suspensions. Carbon, 2018, 131, 229-237.	10.3	15
28253	Mechanical enhancement effect of the interlayer hybrid CNT film/carbon fiber/epoxy composite. Composites Science and Technology, 2018, 166, 176-182.	7.8	44
28254	Nitrogen-incorporated carbon nanotube derived from polystyrene and polypyrrole as hydrogen storage material. International Journal of Hydrogen Energy, 2018, 43, 5077-5088.	7.1	89
28255	Adhesion between two carbon nanotubes: Insights from molecular dynamics simulations and continuum mechanics. International Journal of Mechanical Sciences, 2018, 138-139, 323-336.	6.7	14
28256	Strengthening behavior of carbon nanotube-graphene hybrids in copper matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 718, 427-436.	5.6	75
28257	Multiwall-carbon-nanotube/cellulose composite fibers with enhanced mechanical and electrical properties by cellulose grafting. RSC Advances, 2018, 8, 5678-5684.	3.6	42
28258	Temperature driven structural-memory-effects in carbon nanotubes filled with Fe ₃ C nano crystals. Materials Research Express, 2018, 5, 025010.	1.6	8
28259	Electrode-Shared Differential Configuration for Pressure Sensor Made of Carbon Nanotube-Filled Silicone Rubber Composites. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 1417-1424.	4.7	10
28260	Observation of carbon nanotube filament bridging induced by gas discharge breakdown between electrodes. Japanese Journal of Applied Physics, 2018, 57, 01AF09.	1.5	5
28261	Liquid-phase synthesis of vertically aligned carbon nanotubes and related nanomaterials on preheated alloy substrates. Japanese Journal of Applied Physics, 2018, 57, 02CC07.	1.5	6
28262	Growth of carbon nanotubes in arc plasma treated graphite disc: microstructural characterization and electrical conductivity study. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	6
28263	Mechanisms and applications of carbon nanotubes in terahertz devices: A review. Carbon, 2018, 132, 42-58.	10.3	88
28264	Carbon Nanotube Paper-based Electrode for Electrochemical Detection of Chemicals in Rat Microdialysate. Electroanalysis, 2018, 30, 1022-1027.	2.9	13
28265	Electrolytic Synthesis of Ni-W-MWCNT Composite Coating for Alkaline Hydrogen Evolution Reaction. Journal of Materials Engineering and Performance, 2018, 27, 1033-1039.	2.5	10

#	ARTICLE	IF	CITATIONS
28266	Recent Progress in the Preparation of Horizontally Ordered Carbon Nanotube Assemblies from Solution. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700719.	1.8	41
28268	Decoration of Polyfluorene-Wrapped Carbon Nanotubes via Strain-Promoted Azide-Alkyne Cycloaddition. <i>Macromolecules</i> , 2018, 51, 755-762.	4.8	22
28269	Collisions of noble gas atoms with graphene and a graphene nanodome. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6515-6523.	2.8	3
28270	UV-visible absorption and photoluminescence characteristics of SnO ₂ nano-tube/wire arrays fabricated by LPD method. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 1084-1094.	2.1	13
28271	Structure and Electronic Properties of the Double-Wall Nanotubes Constructed from SiO ₂ Nanotubes Encapsulated inside Armchair Carbon Nanotubes. <i>ChemistrySelect</i> , 2018, 3, 765-772.	1.5	3
28272	N ₂ adsorption on the inside and outside the single-walled carbon nanotubes by density functional theory study. <i>Pramana - Journal of Physics</i> , 2018, 90, 1.	1.8	4
28273	Application of Vitamin B1-Coated Carbon Nanotubes for the Production of Starch Nanocomposites with Enhanced Structural, Optical, Thermal and Cd(II) Adsorption Properties. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2954-2963.	5.0	7
28274	Polyfuran-based multi-walled carbon nanotubes and graphene nanocomposites as counter electrodes for dye-sensitized solar cells. <i>Research on Chemical Intermediates</i> , 2018, 44, 3325-3335.	2.7	8
28276	Ni-P-MWNTs Composite Coatings on Magnesium Alloys AZ31 Part 2: Tribological Behavior and MWNTs Content in Coating. <i>Minerals, Metals and Materials Series</i> , 2018, , 27-30.	0.4	0
28277	Figuration of bowl-shaped π -conjugated molecules: properties and functions. <i>Materials Chemistry Frontiers</i> , 2018, 2, 635-661.	5.9	195
28278	Electro-optical properties of carbon nanotubes doped ferroelectric liquid crystal. <i>Integrated Ferroelectrics</i> , 2018, 186, 71-76.	0.7	4
28279	Controllable preparation of helical carbon nanofibers by CCVD method and their characterization. <i>Materials Research Express</i> , 2018, 5, 015601.	1.6	11
28280	Novel Pickering stabilizer constituted by graphene oxide and carbon nanotubes for Fabricating poly(methyl methacrylate) nanocomposites. <i>Polymer Engineering and Science</i> , 2018, 58, 1975-1980.	3.1	5
28281	Carbon nanotubes toughened immiscible polymer blends. <i>Composites Communications</i> , 2018, 7, 51-64.	6.3	52
28282	Advances in the use of carbonaceous materials for the electrochemical determination of persistent organic pollutants. A review. <i>Mikrochimica Acta</i> , 2018, 185, 112.	5.0	27
28284	Formation of Graphene Oxide Nanoscrolls in Organic Solvents: Toward Scalable Device Fabrication. <i>ACS Applied Nano Materials</i> , 2018, 1, 686-697.	5.0	18
28285	Critical conditions for escape of a high-speed fullerene from a BNC nanobeam after collision. <i>Scientific Reports</i> , 2018, 8, 913.	3.3	10
28286	New carbon allotropes in sp + sp ³ bonding networks consisting of C ₈ cubes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7962-7967.	2.8	33

#	ARTICLE	IF	CITATIONS
28287	Unusual strain response of thermal transport in dimerized three-dimensional graphene. <i>Nanoscale</i> , 2018, 10, 5229-5238.	5.6	22
28288	Chirality and grain boundary effects on indentation mechanical properties of graphene coated on nickel foil. <i>Nanotechnology</i> , 2018, 29, 165703.	2.6	9
28289	Promise of commercialization: Carbon materials for low-cost perovskite solar cells. <i>Chinese Physics B</i> , 2018, 27, 018805.	1.4	57
28290	A sp ² +sp ³ hybridized carbon allotrope transformed from AB stacking graphyne and THD-graphene. <i>AIP Advances</i> , 2018, 8, 015028.	1.3	10
28292	The Effects of Zn Doping on the Interaction of a Single Walled Carbon Nanotube with Penicillamine Drug: A DFT Study. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 954-961.	3.7	5
28293	In situ TEM synthesis of carbon nanotube Y-junctions by electromigration induced soldering. <i>Carbon</i> , 2018, 132, 165-171.	10.3	15
28294	A biosensor based on fungal soil biomass for electrochemical detection of lead (II) and cadmium (II) by differential pulse anodic stripping voltammetry. <i>Journal of Electroanalytical Chemistry</i> , 2018, 813, 9-19.	3.8	53
28295	Synthesis and properties of HA/ZnO/CNT nanocomposite. <i>Ceramics International</i> , 2018, 44, 7746-7753.	4.8	32
28296	Single Measurement Determination of Mechanical, Electrical, and Surface Properties of a Single Carbon Nanotube via Force Microscopy. <i>Sensors and Actuators A: Physical</i> , 2018, 271, 217-222.	4.1	5
28297	Influence of Surface Roughness on the Lubrication Effect of Carbon Nanoparticle-Coated Steel Surfaces. <i>Tribology Letters</i> , 2018, 66, 1.	2.6	15
28298	Printable inorganic nanomaterials for flexible transparent electrodes: from synthesis to application. <i>Journal of Semiconductors</i> , 2018, 39, 011002.	3.7	16
28299	Functionalization of (n, 0) CNTs (n = 3–16) by uracil: DFT studies. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	7
28300	Sn/MWCNT Nanocomposites Fabricated by Ultrasonic Dispersion of Ni-Coated MWCNTs in Molten Tin. <i>Journal of Electronic Materials</i> , 2018, 47, 2366-2373.	2.2	1
28301	Bending analysis of agglomerated carbon nanotube-reinforced beam resting on two parameters modified Vlasov model foundation. <i>Indian Journal of Physics</i> , 2018, 92, 767-777.	1.8	15
28302	6.8 Carbon Nanotube-Based Composites. , 2018, , 201-229.		1
28303	Numerical investigation on the field emission properties of N-doped graphdiyne-C60 nanostructures. <i>AIP Advances</i> , 2018, 8, 015320.	1.3	8
28304	Differential quadrature solutions for the nonconservative instability of a class of single-walled carbon nanotubes. <i>Engineering Computations</i> , 2018, 35, 251-267.	1.4	6
28305	Facile synthesis of ultrathin two-dimensional nanosheets-constructed MCo ₂ O ₄ (M = Ni, Cu, Zn) nanotubes for efficient photocatalytic oxygen evolution. <i>Nanoscale</i> , 2018, 10, 3871-3876.	5.6	28

#	ARTICLE	IF	CITATIONS
28306	Development of an analytical method for pesticide residues in berries with dispersive solid phase extraction using multiwalled carbon nanotubes and primary secondary amine sorbents. <i>Analytical Methods</i> , 2018, 10, 757-766.	2.7	16
28307	Characterization of the proteome and lipidome profiles of human lung cells after low dose and chronic exposure to multiwalled carbon nanotubes. <i>Nanotoxicology</i> , 2018, 12, 138-152.	3.0	20
28308	Multifunctional Photonic Nanomaterials for Diagnostic, Therapeutic, and Theranostic Applications. <i>Advanced Materials</i> , 2018, 30, 1701460.	21.0	137
28309	Controlled dispersion of multiwalled carbon nanotubes modified by hyperbranched polylysine. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46249.	2.6	13
28310	Engineered Carbon Nanotubes: Review on the Role of Surface Chemistry, Mechanistic Features, and Toxicology in the Adsorptive Removal of Aquatic Pollutants.. <i>ChemistrySelect</i> , 2018, 3, 1040-1055.	1.5	5
28311	MWCNT/Polyaniline Nanocomposites Used for pH Nanosensors of Marine Waters. <i>Springer Water</i> , 2018, , 231-238.	0.3	1
28312	Analysis of Compounds Dissolved in Nonpolar Solvents by Electrospray Ionization on Conductive Nanomaterials. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 573-580.	2.8	12
28313	Protein oxidation in the fish <i>Danio rerio</i> (Cyprinidae) fed with single- and multi-walled carbon nanotubes. <i>Energy, Ecology and Environment</i> , 2018, 3, 95-101.	3.9	5
28314	High-performance carbon-nanotube-based cold cathode electron beam with low-thermal-expansion gate electrode. <i>Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics</i> , 2018, 36, .	1.2	10
28315	Singleâ€Carbonâ€Nanotube Manipulations and Devices Based on Macroscale Anthracene Flakes. <i>Advanced Materials</i> , 2018, 30, 1705844.	21.0	3
28316	Structure and Properties of Graphene. , 2018, , 1-12.		41
28317	Graphene Nanopapers. , 2018, , 27-58.		1
28318	2,2â€bipyridine-functionalized single-walled carbon nanotubes: The formation of transition metal complexes and their charge transfer effects. <i>Carbon</i> , 2018, 129, 175-182.	10.3	12
28319	Effect of Urea on the Shape and Structure of Carbon Nanotubes. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2018, 73, 113-120.	1.5	3
28320	A Review Featuring Fabrication, Properties and Applications of Carbon Nanotubes (CNTs) Reinforced Polymer and Epoxy Nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2018, 36, 445-461.	3.8	57
28321	Use of nanostructured materials in drug delivery. , 2018, , 503-549.		3
28322	Feasibility of multi-walled carbon nanotube/epoxy thermoset-based strain sensors for sensing in structural applications. <i>Journal of Strain Analysis for Engineering Design</i> , 2018, 53, 80-87.	1.8	2
28323	Nonlinear Excitations in Graphene and Other Carbon Nano-Polymorphs. <i>Understanding Complex Systems</i> , 2018, , 175-195.	0.6	2

#	ARTICLE	IF	CITATIONS
28324	Transient behavior of carbon nanotube thin film for adsorption of polar and non-polar molecules. Chemical Physics Letters, 2018, 691, 351-354.	2.6	3
28325	Non-linear bending analysis of nanocomposites reinforced by graphene-nanotubes with finite shell element and membrane enhancement. Engineering Structures, 2018, 158, 95-109.	5.3	57
28326	An Efficient Synthesis of 1,3-Bis(4-phenylamino)propan-1-ol and its Derivatives by Mannich Reaction in the Presence of Doped Porous Carbon by Nitrogen and Sulfur (NS-PCS) as Catalyst. Journal of the Chinese Chemical Society, 2018, 65, 548-553.	1.4	3
28327	Recent advances in flexible supercapacitors based on carbon nanotubes and graphene. Science China Materials, 2018, 61, 210-232.	6.3	54
28328	Flutter instability of cantilevered carbon nanotubes caused by magnetic fluid flow subjected to a longitudinal magnetic field. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 98, 184-190.	2.7	17
28329	Graphene and related 2D materials: An overview of the Raman studies. Journal of Raman Spectroscopy, 2018, 49, 8-12.	2.5	63
28330	Nanoporous carbon foam structures with excellent electronic properties predicted by first-principles studies. Carbon, 2018, 129, 809-818.	10.3	23
28331	Density-functional tight-binding investigation of the structure, stability and material properties of nickel hydroxide nanotubes. Nanotechnology, 2018, 29, 025708.	2.6	2
28332	The influences of carbon nanotubes introduced in three different phases of carbon fiber/pyrolytic carbon/silicon carbide composites on microstructure and properties of their composites. Carbon, 2018, 129, 409-414.	10.3	23
28333	Tuning the band gap and the nitrogen content in carbon nitride materials by high temperature treatment at high pressure. Carbon, 2018, 130, 170-177.	10.3	29
28334	A series of organic-inorganic hybrid silicotungstate microtubes: Tunable syntheses and spectroscopic properties. Materials Chemistry and Physics, 2018, 207, 186-193.	4.0	6
28335	The formability investigation of CNT-reinforced aluminum nano-composite sheets manufactured by accumulative roll bonding. International Journal of Advanced Manufacturing Technology, 2018, 95, 3523-3533.	3.0	25
28336	Tuning vertical alignment and field emission properties of multi-walled carbon nanotube bundles. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	10
28337	Thermodynamics of Carbon Nanotubes and Soot Formation. Energy, Environment, and Sustainability, 2018, , 143-151.	1.0	0
28338	First-Principles Study of the Interactions between Graphene Oxide and Amine-Functionalized Carbon Nanotube. Journal of Physical Chemistry C, 2018, 122, 1288-1298.	3.1	17
28339	Spatial and Contamination-Dependent Electrical Properties of Carbon Nanotubes. Nano Letters, 2018, 18, 695-700.	9.1	16
28340	Advances in carbon nanostructure-silica aerogel composites: a review. Journal of Materials Chemistry A, 2018, 6, 1340-1369.	10.3	149
28341	Transforming Two-Dimensional Boron Carbide into Boron and Chlorine Dual-Doped Carbon Nanotubes by Chlorination for Efficient Oxygen Reduction. ACS Energy Letters, 2018, 3, 184-190.	17.4	73

#	ARTICLE	IF	CITATIONS
28342	Tip and inner walls modification of single-walled carbon nanotubes (3.5Ånm diameter) and preparation of polyamide/modified CNT nanocomposite reverse osmosis membrane. Journal of Experimental Nanoscience, 2018, 13, 11-26.	2.4	12
28343	Electromagnetic interference shielding of polycarbonate/GNP nanocomposites in X-band. Materials Chemistry and Physics, 2018, 206, 251-258.	4.0	31
28344	A New, General Strategy for Fabricating Highly Concentrated and Viscoplastic Suspensions Based on a Structural Approach To Modulate Interparticle Interaction. Journal of the American Chemical Society, 2018, 140, 1098-1104.	13.7	9
28345	Multiwalled Carbon Nanotubes Anode in Lithium-Ion Battery with LiCoO_2 , $\text{Li}[\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}]\text{O}_2$, and $\text{LiFe}_{1/4}\text{Mn}_{1/2}\text{Co}_{1/4}\text{PO}_4$ Cathodes. ACS Sustainable Chemistry and Engineering, 2018, 6, 3225-3232.	6.7	47
28346	Topological Nodal-Net Semimetal in a Graphene Network Structure. Physical Review Letters, 2018, 120, 026402.	7.8	93
28347	Maximizing the production of hydrogen and carbon nanotubes: Effect of Ni and reaction temperature. International Journal of Hydrogen Energy, 2018, 43, 2781-2793.	7.1	10
28348	Surface modification of carbon nanotubes with copper oxide nanoparticles for heat transfer enhancement of nanofluids. RSC Advances, 2018, 8, 1791-1802.	3.6	57
28349	Voltammetric sensing based on the use of advanced carbonaceous nanomaterials: a review. Mikrochimica Acta, 2018, 185, 89.	5.0	67
28351	Nanosensors and nanobiosensors in food and agriculture. Environmental Chemistry Letters, 2018, 16, 161-182.	16.2	195
28352	A first principle study of hydrogenated graphdiyne. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 662-666.	2.1	14
28353	Graphene quantum dots (GQDs) and its derivatives for multifarious photocatalysis and photoelectrocatalysis. Catalysis Today, 2018, 315, 171-183.	4.4	135
28354	Improvement of interfacial interaction and mechanical properties in copper matrix composites reinforced with copper coated carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 163-173.	5.6	61
28355	Fracture study of a ductile polymer-based nanocomposite weakened by blunt V-notches under mode I loading: Application of the Equivalent Material Concept. Theoretical and Applied Fracture Mechanics, 2018, 94, 26-33.	4.7	19
28356	Engineered Transport in Microporous Materials and Membranes for Clean Energy Technologies. Advanced Materials, 2018, 30, 1704953.	21.0	85
28357	Toxicological Impact of Carbon Nanomaterials on Plants. Environmental Chemistry for A Sustainable World, 2018, , 163-183.	0.5	5
28358	Micromechanical modeling of thermal conducting behavior of general carbon nanotube-polymer nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 229, 173-183.	3.5	28
28359	Superior Photodetectors Based on All-Inorganic Perovskite CsPbI_3 Nanorods with Ultrafast Response and High Stability. ACS Nano, 2018, 12, 1611-1617.	14.6	210
28360	Critical Buckling Load of Chiral Double-Walled Carbon Nanotubes Embedded in an Elastic Medium. Mechanics of Composite Materials, 2018, 53, 827-836.	1.4	14

#	ARTICLE	IF	CITATIONS
28361	Mesoporous NiCo ₂ O ₄ nano-needles supported by 3D interconnected carbon network on Ni foam for electrochemical energy storage. <i>Applied Surface Science</i> , 2018, 439, 1019-1025.	6.1	8
28362	Dispersion of pristine and polyaniline functionalized carbon nanotubes in designed solvent mixtures by Hansen solubility parameters. <i>Materials Today Communications</i> , 2018, 14, 99-105.	1.9	14
28363	TE-C36 carbon: a new semiconducting phase with an all-sp ³ bonding network. <i>RSC Advances</i> , 2018, 8, 1846-1851.	3.6	22
28364	Water thermophoresis in carbon nanotubes: the interplay between thermophoretic and friction forces. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3672-3677.	2.8	20
28365	Composites Based on Conducting Polymers and Carbon Nanomaterials for Heavy Metal Ion Sensing (Review). <i>Critical Reviews in Analytical Chemistry</i> , 2018, 48, 293-304.	3.5	128
28366	Enhanced response and improved selectivity for toxic gases with functionalized CNT thin film resistors. <i>Integrated Ferroelectrics</i> , 2018, 186, 65-70.	0.7	7
28367	Surface functionalization of multiwalled carbon nanotubes by the photoresponsive strategy of π - π stacking and azide-grafting. <i>Surface and Interface Analysis</i> , 2018, 50, 393-398.	1.8	3
28368	Visualization study on capillary-spreading behavior of liquid droplet in vertically aligned carbon nanotube array. <i>International Journal of Heat and Mass Transfer</i> , 2018, 120, 1055-1064.	4.8	15
28369	Facile three-step synthesis and photophysical properties of [8]-, [9]-, and [12]cyclo-1,4-naphthalene nanorings <i>via</i> platinum-mediated reductive elimination. <i>Chemical Communications</i> , 2018, 54, 988-991.	4.1	36
28370	Viscoelastic modelling and dynamic characteristics of CNTs-CFRP-2DWF composite shell structures. <i>Composites Part B: Engineering</i> , 2018, 141, 100-122.	12.0	12
28371	Properties of a predicted tetragonal carbon allotrope: First principles study. <i>Diamond and Related Materials</i> , 2018, 82, 50-55.	3.9	17
28372	Thermal Chemical Conversion of High-Density Polyethylene for the Production of Valuable Carbon Nanotubes Using Ni/AAO Membrane Catalyst. <i>Energy & Fuels</i> , 2018, 32, 4511-4520.	5.1	25
28373	2-Nitrophenol sensor-based wet-chemically prepared binary doped Co ₃ O ₄ /Al ₂ O ₃ nanosheets by an electrochemical approach. <i>RSC Advances</i> , 2018, 8, 960-970.	3.6	46
28374	Ameliorated mechanical and thermal properties of SiC reinforced Al matrix composites through hybridizing carbon nanotubes. <i>Materials Characterization</i> , 2018, 136, 272-280.	4.4	51
28375	Easy Synthesis of Ordered Mesoporous Carbon@Carbon Nanotube Nanocomposite as a Promising Support for CO ₂ Photoreduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2529-2534.	6.7	31
28376	Fabrication of polyacrylamide@carbon nanotubes by One-Step Radiation-Induced Graft Polymerization. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 12-15.	2.1	3
28377	An equivalent continuum meshless approach for material nonlinear analysis of CNT-reinforced composites. <i>Composite Structures</i> , 2018, 188, 116-125.	5.8	18
28378	Effect of functionalized process and CNTs aggregation on fracture mechanism and mechanical properties of polymer nanocomposite. <i>Mechanics of Materials</i> , 2018, 118, 106-119.	3.2	49

#	ARTICLE	IF	CITATIONS
28379	A Silicene Nanotube Field Effect Transistor (SiNTFET) with an Electrically Induced Gap and High Value of on/off. ECS Journal of Solid State Science and Technology, 2018, 7, M1-M5.	1.8	11
28380	Adsorptive stripping voltammetry for simultaneous determination of hydrochlorothiazide and triamterene in hemodialysis samples using a multi-walled carbon nanotube-modified glassy carbon electrode. Talanta, 2018, 179, 652-657.	5.5	23
28381	Effect of single-walled carbon nanotubes on cytochrome P450 activity in human liver microsomes <i>in vitro</i>. Biopharmaceutics and Drug Disposition, 2018, 39, 275-279.	1.9	1
28382	A high stability AuPd-ZrO ₂ -multiwall carbon nanotubes supported-catalyst in a formic acid electro-oxidation reaction. Applied Surface Science, 2018, 451, 289-297.	6.1	9
28383	Electro-oxidation of organic pollutants by reactive electrochemical membranes. Chemosphere, 2018, 208, 159-175.	8.2	197
28384	Fabrication and characterization of hyperbranched polyglycerol modified carbon nanotubes through the host-guest interactions. Materials Science and Engineering C, 2018, 91, 458-465.	7.3	10
28385	Influence of surface-functionalized multi-walled carbon nanotubes on CdS nanohybrids for effective photocatalytic hydrogen production. Applied Catalysis B: Environmental, 2018, 236, 294-303.	20.2	78
28386	Multilevel Molecular Modeling Approach for a Rational Design of Ionic Current Sensors for Nanofluidics. Journal of Chemical Theory and Computation, 2018, 14, 3113-3120.	5.3	6
28387	Effects of carbon nanotubes on the mechanical properties of spark plasma sintered titanium matrix composites – A review. , 2018, , .		3
28388	Three-dimensional rotating flow of MHD single wall carbon nanotubes over a stretching sheet in presence of thermal radiation. Applied Nanoscience (Switzerland), 2018, 8, 1361-1378.	3.1	73
28389	Investigation for squeezing flow of ethylene glycol (C ₂ H ₆ O ₂) carbon nanotubes (CNTs) in rotating stretching channel with nonlinear thermal radiation. Journal of Molecular Liquids, 2018, 263, 10-21.	4.9	106
28390	Tailor-Made Pyrazolide-Based Metal-Organic Frameworks for Selective Catalysis. Journal of the American Chemical Society, 2018, 140, 6383-6390.	13.7	124
28391	Electrochemical Synthesis and Doping for Nano-Porous Organic Magnetic Materials. Materials and Energy, 2018, , 207-234.	0.1	0
28392	Structural, Optical, Electrical and Electrocatalytic Activity Properties Of Luminescent Organic Carbon Quantum Dots. ChemistrySelect, 2018, 3, 4730-4737.	1.5	1
28393	Synthesis and characterization of long-CNTs by electrical arc discharge in deionized water and NaCl solution. International Nano Letters, 2018, 8, 19-23.	5.0	29
28394	Advances on graphene-based nanomaterials for biomedical applications. Materials Science and Engineering C, 2018, 90, 764-780.	7.3	119
28395	Unravel the Active Site in Nitrogen-Doped Double-Walled Carbon Nanotubes for Nitrogen Dioxide Gas Sensor. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800004.	1.8	11
28396	Self-assembly of single-wall carbon nanotubes during the cooling process of hot carbon gas. Journal of Molecular Modeling, 2018, 24, 115.	1.8	0

#	ARTICLE	IF	CITATIONS
28397	Crossed investigation of damage in composites with embedded quantum resistive strain sensors (sQRS), acoustic emission (AE) and digital image correlation (DIC). Composites Science and Technology, 2018, 160, 79-85.	7.8	32
28398	Microstructure and mechanical properties of nickel coated multi walled carbon nanotube reinforced stainless steel 316L matrix composites by laser sintering process. AIP Conference Proceedings, 2018, , .	0.4	2
28399	Rotating flow of carbon nanotube over a stretching surface in the presence of magnetic field: a comparative study. Applied Nanoscience (Switzerland), 2018, 8, 369-378.	3.1	35
28400	Mechanical behavior of carbon nanotubes reinforced AA 4032 bimodal alloys. Materials Today: Proceedings, 2018, 5, 6717-6721.	1.8	4
28401	Effect on Mechanical Properties of Carbon Nanotube Based Composite. Materials Today: Proceedings, 2018, 5, 7725-7734.	1.8	14
28402	Electrical and structural properties of multi-walled carbon nanotubeâ€“doped polymer electrolyte for photo electrochemical device. High Performance Polymers, 2018, 30, 949-956.	1.8	15
28403	Synthesis of boron nitride nanotubes by combining citrate-nitrate combustion reaction and catalytic chemical vapor deposition. Ceramics International, 2018, 44, 13959-13966.	4.8	8
28404	Enhanced microwave absorption characteristics of nanocomposite based on hollow carbonyl iron microspheres and polyaniline decorated with MWCNTs. Journal of Magnetism and Magnetic Materials, 2018, 462, 153-159.	2.3	62
28405	Non-equilibrium synergistic effects in atmospheric pressure plasmas. Scientific Reports, 2018, 8, 4783.	3.3	17
28406	Synthesis of carbon nanomaterials from different pyrolysis techniques: a review. Materials Research Express, 2018, 5, 052002.	1.6	61
28407	Optimal mass distribution in carbon nanotubes for extreme thermal conductivity: Analytical manipulation of isotope effects. Computational Materials Science, 2018, 150, 273-282.	3.0	1
28408	A new smart nanoforce sensor based on suspended gate SOIMOSFET using carbon nanotube. Measurement: Journal of the International Measurement Confederation, 2018, 125, 232-242.	5.0	2
28409	Comparative analysis of single-walled and multi-walled carbon nanotubes for electrochemical sensing of glucose on gold printed circuit boards. Materials Science and Engineering C, 2018, 90, 273-279.	7.3	48
28410	Toward Small-Diameter Carbon Nanotubes Synthesized from Captured Carbon Dioxide: Critical Role of Catalyst Coarsening. ACS Applied Materials & Interfaces, 2018, 10, 19010-19018.	8.0	47
28411	Novel soluble carbazoleâ€“based poly(aryl ethers): Preparation, properties, and application for dispersing multiwalled carbon nanotubes. Journal of Applied Polymer Science, 2018, 135, 46250.	2.6	2
28412	On the Thin-Wire Integral Equations for Carbon Nanotube Antennas. IEEE Transactions on Antennas and Propagation, 2018, 66, 3567-3576.	5.1	6
28414	Surface modification of carbon nanotubes by using iron-mediated activators generated by electron transfer for atom transfer radical polymerization. RSC Advances, 2018, 8, 11150-11156.	3.6	8
28415	Four- and eight-membered rings carbon nanotubes: A new class of carbon nanomaterials. Results in Physics, 2018, 9, 656-664.	4.1	12

#	ARTICLE	IF	CITATIONS
28416	Mechanical properties and microstructure of sulfur aluminate cement composites reinforced by multi-walled carbon nanotubes. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 102-107.	1.0	6
28417	Regularities of self-organization of technological conditions during plasma-arc synthesis of carbon nanotubes. Diamond and Related Materials, 2018, 85, 37-48.	3.9	4
28418	Buckling behavior of nanotubes from diamondene. Materials and Design, 2018, 149, 34-42.	7.0	32
28419	Ionic liquid (IL) capped MnO ₂ nanoparticles as an electrode material and IL as electrolyte for supercapacitor application. Renewable Energy, 2018, 126, 437-444.	8.9	16
28420	Magnetic carbon nanotubes for self-regulating temperature hyperthermia. RSC Advances, 2018, 8, 11997-12003.	3.6	24
28421	AC and DC electrical behavior of MWCNT/epoxy nanocomposite near percolation threshold: Equivalent circuits and percolation limits. Journal of Applied Physics, 2018, 123, .	2.5	20
28422	Reversible conversion between graphene nanosheets and graphene nanoscrolls at room temperature. RSC Advances, 2018, 8, 9749-9753.	3.6	4
28423	Nanocomposites based on tubular and onion nanostructures of molybdenum and tungsten disulfides: inorganic design, functional properties and applications. Russian Chemical Reviews, 2018, 87, 251-271.	6.5	15
28424	Stability of boron-doped graphene/copper interface: DFT, XPS and OSEE studies. Applied Surface Science, 2018, 441, 978-983.	6.1	19
28425	Synergetically Improving the Strength and the Toughness of Epoxy Based Composites with Multiscale Reinforcements for Direct Extrusion Fabrication. Polymer Science - Series A, 2018, 60, 239-248.	1.0	0
28426	Diameter control of vertically aligned carbon nanotubes using CoFe ₂ O ₄ nanoparticle Langmuir-Blodgett films. Japanese Journal of Applied Physics, 2018, 57, 03EG15.	1.5	4
28427	Catalytic wet peroxide oxidation of m- cresol over novel Fe ₂ O ₃ loaded microfibrillar entrapped CNT composite catalyst in a fixed-bed reactor. Journal of Chemical Technology and Biotechnology, 2018, 93, 2552-2563.	3.2	28
28428	Wear properties of hybrid ABO+BN+CNT/Al-Sn alloy matrix composites for engine bearing materials. Metals and Materials International, 2018, 24, 205-215.	3.4	5
28429	Functionalization of MWCNTs with Ag-AuNPs by a green method and their catalytic properties. Diamond and Related Materials, 2018, 84, 26-31.	3.9	12
28430	Probing Phonon Dynamics in Individual Single-Walled Carbon Nanotubes. Nano Letters, 2018, 18, 2590-2594.	9.1	2
28431	A universal strategy for the <i>in situ</i> synthesis of TiO ₂ (B) nanosheets on pristine carbon nanomaterials for high-rate lithium storage. Journal of Materials Chemistry A, 2018, 6, 7070-7079.	10.3	27
28432	DFT Study of PH ₃ Physisorption and Chemisorptions on Boron Nitride Nanotubes. Russian Journal of Physical Chemistry A, 2018, 92, 540-546.	0.6	7
28433	Photoactive multi-walled carbon nanotubes: synthesis and utilization of benzoin functional MWCNTs. Journal of Materials Science, 2018, 53, 9598-9610.	3.7	6

#	ARTICLE	IF	CITATIONS
28434	The effects of computational time parameter in the thermal conductivity of single-walled carbon nanotubes by molecular dynamics simulation. Computational Condensed Matter, 2018, 15, 21-24.	2.1	4
28435	Emerging chemical strategies for imprinting magnetism in graphene and related 2D materials for spintronic and biomedical applications. Chemical Society Reviews, 2018, 47, 3899-3990.	38.1	161
28436	Interfacial aspects of carbon composites. Composite Interfaces, 2018, 25, 539-605.	2.3	51
28437	Synthesis of multi-walled carbon nanotubes by thermal CVD technique on Pt@W/MgO catalyst. Journal of Taibah University for Science, 2018, 12, 230-234.	2.5	16
28438	Hierarchical material of carbon nanotubes grown on carbon nanofibers for high performance electrochemical capacitor. Chemical Engineering Journal, 2018, 345, 39-47.	12.7	66
28439	Ultrarapid in Situ Synthesis of Cu ₂ S Nanosheet Arrays on Copper Foam with Room-Temperature-Active Iodine Plasma for Efficient and Cost-Effective Oxygen Evolution. ACS Catalysis, 2018, 8, 3859-3864.	11.2	129
28440	Functionalization of polyfluorene-wrapped carbon nanotubes <i>via</i> copper-mediated azide-alkyne cycloaddition. Polymer Chemistry, 2018, 9, 2873-2879.	3.9	23
28441	A simple vortex-assisted graphene oxide nanosheets dispersive micro-solid phase extraction combined with high-performance liquid chromatography for UV-Vis detection of tramadol in biological samples. Separation Science and Technology, 2018, 53, 1689-1697.	2.5	9
28442	Effect of acid-treated multi-walled carbon nanotubes on thermo-oxidative stability and degradation behavior of silicone rubber. Journal of Thermal Analysis and Calorimetry, 2018, 133, 1353-1364.	3.6	9
28443	CNT supported Mn-doped ZnO nanoparticles: simple synthesis and improved photocatalytic activity for degradation of malachite green dye under visible light. Applied Nanoscience (Switzerland), 2018, 8, 1179-1188.	3.1	101
28444	Carbon nanotube-carbyne composite: A nanoreactor in a quasi-1D liquid state. Computational Materials Science, 2018, 149, 409-415.	3.0	6
28445	Carbon and non-carbon support materials for platinum-based catalysts in fuel cells. International Journal of Hydrogen Energy, 2018, 43, 7823-7854.	7.1	210
28446	Growth modes and chiral selectivity of single-walled carbon nanotubes. Nanoscale, 2018, 10, 6744-6750.	5.6	67
28447	Hydrophobic nanochannel self-assembled by amphipathic Janus particles confined in aqueous nano-space. Chinese Physics B, 2018, 27, 030505.	1.4	1
28448	Detection of illegal dyes in foods using a polyethersulfone/multi-walled carbon nanotubes composite membrane as a cleanup method. Journal of Integrative Agriculture, 2018, 17, 716-722.	3.5	3
28449	Photocatalytic and photochemical processes on the surface of uranyl-modified oxides: An in situ XPS study. Applied Catalysis A: General, 2018, 558, 81-90.	4.3	28
28450	Multi-scale Modeling Approach to Predict the Nonlinear Behavior of CNT-reinforced Concrete Columns Subjected to Service Loading. Structures, 2018, 14, 301-312.	3.6	10
28451	Silanization of multi-walled carbon nanotubes and the study of its effects on the properties of polyurethane rigid foam nanocomposites. Composites Part A: Applied Science and Manufacturing, 2018, 109, 338-344.	7.6	50

#	ARTICLE	IF	CITATIONS
28452	Quantifying entanglement of rotor chains using basis truncation: Application to dipolar endofullerene peapods. <i>Journal of Chemical Physics</i> , 2018, 148, 074112.	3.0	18
28453	Structure factors of carbon nanotubes on the thermal conductivity of carbon nanotube/epoxy composites. <i>AIP Advances</i> , 2018, 8, .	1.3	12
28454	Piezoresistive effect of the carbon nanotube yarn embedded axially into the 3D braided composite. <i>Results in Physics</i> , 2018, 9, 231-236.	4.1	11
28455	Stereoisomerism and Structures of Rigid Cylindrical Cycloarylenes. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 907-921.	3.2	49
28456	Hydrogen storage by Ni-doped silicon carbide nanocage: A theoretical study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 101, 78-84.	2.7	41
28457	Solid acid-catalyzed domino cyclization reaction: regio- and diastereoselective synthesis of pyrido[2,3- <i>d</i>]pyrimidine derivatives bearing three contiguous stereocenters. <i>Green Chemistry</i> , 2018, 20, 2057-2063.	9.0	33
28458	Improving the high-temperature oxidation resistance of ASME-SA213-T11 boiler tube steel by plasma spraying with CNT-reinforced alumina coatings. <i>Anti-Corrosion Methods and Materials</i> , 2018, 65, 217-223.	1.5	28
28459	Molecular dynamics simulations of theoretical cellulose nanotube models. <i>Carbohydrate Polymers</i> , 2018, 190, 331-338.	10.2	6
28460	Effect of electric field induced alignment and dispersion of functionalized carbon nanotubes on properties of natural rubber. <i>Results in Physics</i> , 2018, 9, 493-499.	4.1	48
28461	Surface modification of glassy carbon electrode with the functionalized carbon nanotube for ultrasensitive electrochemical detection of risperidone. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 1485-1494.	2.2	3
28462	Electrochemical nonenzymatic sensor based on cetyltrimethylammonium bromide and chitosan functionalized carbon nanotube modified glassy carbon electrode for the determination of hydroxymethanesulfinate in the presence of sulfite in foods. <i>Food Chemistry</i> , 2018, 259, 213-218.	8.2	30
28463	CRISPR-Cas9 genome engineering: Treating inherited retinal degeneration. <i>Progress in Retinal and Eye Research</i> , 2018, 65, 28-49.	15.5	64
28464	Recent advances and remaining challenges for polymeric nanocomposites in healthcare applications. <i>Progress in Polymer Science</i> , 2018, 80, 1-38.	24.7	155
28465	Highly Dispersible Buckled Nanospring Carbon Nanotubes for Polymer Nano Composites. <i>Scientific Reports</i> , 2018, 8, 4851.	3.3	18
28466	Thermal conductivity of carbon nanotube superlattices: Comparative study with defective carbon nanotubes. <i>Chinese Physics B</i> , 2018, 27, 026501.	1.4	4
28467	Nanographene synthesized in triple-phase plasmas as a highly durable support of catalysts for polymer electrolyte fuel cells. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 045101.	1.5	11
28468	Effect of Longitudinal Magnetic Field on Vibration Response of Double-Walled Carbon Nanotubes Embedded in Viscoelastic Medium. <i>Acta Mechanica Solida Sinica</i> , 2018, 31, 187-206.	1.9	6
28469	<i>In situ</i> synthesis and electronic transport of the carbon-coated Ag@C/MWCNT nanocomposite. <i>RSC Advances</i> , 2018, 8, 7450-7456.	3.6	12

#	ARTICLE	IF	CITATIONS
28470	A bio-surfactant for defect control: Multifunctional gelatin coated MWCNTs for conductive epoxy nanocomposites. Composites Science and Technology, 2018, 159, 216-224.	7.8	33
28471	Gate bias stress effect in single-walled carbon nanotubes field-effect-transistors. Diamond and Related Materials, 2018, 84, 62-65.	3.9	8
28472	Effect of initial strain and material nonlinearity on the nonlinear static and dynamic response of graphene sheets. Journal of Sound and Vibration, 2018, 423, 373-400.	3.9	11
28473	The effect of TiC:CNT mixing ratio and CNT content on the mechanical and tribological behaviors of TiC modified CNT-reinforced Al-matrix nanocomposites. Powder Technology, 2018, 331, 107-120.	4.2	31
28474	Computing Phonon Dispersion using Fast Zero-Point Correlations of Conjugate Variables. MRS Advances, 2018, 3, 531-536.	0.9	1
28475	Investigation of the electronic, magnetic and optical properties of newest carbon allotrope. Physica C: Superconductivity and Its Applications, 2018, 548, 126-128.	1.2	0
28476	Epoxy resins reinforced with carbon nanotubes. Lightweight Design Worldwide, 2018, 11, 6-11.	0.1	3
28477	Multicomponent transport in nanoporous networks: Theory and simulation. Chemical Engineering Journal, 2018, 346, 748-761.	12.7	5
28478	Free vibration of fully functionally graded carbon nanotube reinforced graphite/epoxy laminates. Materials Research Express, 2018, 5, 035048.	1.6	4
28479	Fabrication of Polymer Nanofiber-Conducting Polymer Fabric and Noncontact Motion Sensing Platform. Materials Science Forum, 0, 915, 207-212.	0.3	0
28480	Electron tunneling in carbon nanotubes and carbon black hybrid filler-filled natural rubber composites: Influence of non-rubber components. Polymer Composites, 2018, 39, E1237.	4.6	16
28481	Dispersion of multiwalled carbon nanotubes in waterborne polyurethane emulsions derived from alcoholysis products of waste PET and its effect on properties. Polymer Engineering and Science, 2018, 58, 2149-2155.	3.1	4
28482	Application of nanotechnology in biosensors for enhancing pathogen detection. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2018, 10, e1512.	6.1	21
28483	Leucine/Pd-loaded (5,5) single-walled carbon nanotube matrix as a novel nanobiosensors for in silico detection of protein. Amino Acids, 2018, 50, 653-661.	2.7	36
28484	Electrically conductive nanocomposites of PMMA and carbon nanotubes prepared by in situ polymerization under probe sonication. Chemical Papers, 2018, 72, 1799-1810.	2.2	11
28485	Effect of microwave absorption study on polyaniline nanocomposites with untreated and treated double wall carbon nanotubes. Polymer Composites, 2018, 39, 1283-1291.	4.6	6
28486	Plasma-enhanced modification of multiwalled carbon nanotube with conducting polymers for dye sensitized solar cells. Polymer Composites, 2018, 39, 668-674.	4.6	10
28487	Cu/CNT nanocomposite fabrication with different raw material properties using a planetary ball milling process. Powder Technology, 2018, 323, 563-573.	4.2	47

#	ARTICLE	IF	CITATIONS
28488	Mixed-mode fracture of sandwich composites: Performance improvement with multiwalled carbon nanotube sonicated resin. <i>Journal of Sandwich Structures and Materials</i> , 2018, 20, 379-395.	3.5	8
28489	Effect of Interwall Interaction on Phonon Oscillations of Growing Multi-Walled Carbon Nanotube. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2018, 42, 967-973.	1.5	0
28490	Influence of Multiwalled Carbon Nanotubes on Biodegradable Poly(lactic acid) Nanocomposites for Electroactive Shape Memory Actuator. <i>Advances in Polymer Technology</i> , 2018, 37, 256-261.	1.7	12
28491	Thermal stress analysis of in-plane two-directional functionally graded plates subjected to in-plane edge heat fluxes. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2018, 232, 693-716.	1.1	4
28492	Fatigue behavior of FRP composites and CNTs Embedded FRP composites: A review. <i>Polymer Composites</i> , 2018, 39, 1785-1808.	4.6	53
28493	Free vibration analysis of magneto-electro-elastic cylindrical composite panel reinforced by various distributions of CNTs with considering open and closed circuits boundary conditions based on FSDT. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 1551-1569.	2.6	37
28494	Nonlocal instability of cantilever piezoelectric carbon nanotubes by considering surface effects subjected to axial flow. <i>JVC/Journal of Vibration and Control</i> , 2018, 24, 1809-1825.	2.6	28
28495	Behaviour of reinforced concrete beams with multiwall carbon nanotubes under monotonic loading. <i>European Journal of Environmental and Civil Engineering</i> , 2018, 22, 1111-1130.	2.1	9
28496	Mechanical characterization and postbuckling behavior of carbon nanotube-carbon fiber reinforced nanocomposite laminate. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2018, 232, 106-123.	2.1	8
28497	An update on carbon nanotube-enabled X-ray sources for biomedical imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1475.	6.1	35
28498	Aspects of interface elasticity theory. <i>Mathematics and Mechanics of Solids</i> , 2018, 23, 1004-1024.	2.4	32
28499	Novel nanostructured thermal interface materials: a review. <i>International Materials Reviews</i> , 2018, 63, 22-45.	19.3	261
28500	Nanocomposite scaffolds for myogenesis revisited: Functionalization with carbon nanomaterials and spectroscopic analysis. <i>Applied Spectroscopy Reviews</i> , 2018, 53, 129-156.	6.7	4
28501	Evaluation of the effects of multiwalled carbon nanotubes on electrospun poly(3-hydroxybutyrate) scaffold for tissue engineering applications. <i>Journal of Porous Materials</i> , 2018, 25, 259-272.	2.6	53
28502	A new nonlocal elasticity theory with graded nonlocality for thermo-mechanical vibration of FG nanobeams via a nonlocal third-order shear deformation theory. <i>Mechanics of Advanced Materials and Structures</i> , 2018, 25, 512-522.	2.6	26
28503	Growth of carbon nanotube arrays on various CtxMey alloy films by chemical vapour deposition method. <i>Journal of Materials Science and Technology</i> , 2018, 34, 472-480.	10.7	19
28504	From lab-scale film preparation to up- scale spinning fibre manufacturing of multiwall carbon nanotube/poly ethylene terephthalate composites. <i>Journal of Industrial Textiles</i> , 2018, 47, 1241-1260.	2.4	4
28505	Synthesis and properties of magnetic multi-walled carbon nanotubes loaded with Fe 4 N nanoparticles. <i>Journal of Materials Science and Technology</i> , 2018, 34, 886-890.	10.7	17

#	ARTICLE	IF	CITATIONS
28506	Adaptive fuzzy sliding mode control for vibration suppression of a rotating carbon nanotube-reinforced composite beam. JVC/Journal of Vibration and Control, 2018, 24, 2447-2463.	2.6	11
28507	An efficient numerical method for analyzing the thermal effects on the vibration of embedded single-walled carbon nanotubes based on the nonlocal shell model. Mechanics of Advanced Materials and Structures, 2018, 25, 500-511.	2.6	25
28508	Elastic polyurethane foams containing graphene nanoplatelets. Advances in Polymer Technology, 2018, 37, 1625-1634.	1.7	6
28509	Sonochemical growth of nanomaterials in carbon nanotube. Ultrasonics, 2018, 83, 179-187.	3.9	10
28510	One-Step Preparation of Non-Covalent Functionalized Carboxylic Multi-Walled Carbon Nanotubes/Polymethyl Methacrylate Nanocomposites Via In Situ Polymerization. Advances in Polymer Technology, 2018, 37, 1008-1015.	1.7	3
28511	Determination of silodosin in biological samples using UPLC-MS/MS combined with magnetic carboxylated multiwalled carbon nanotubes. Acta Chromatographica, 2018, 30, 47-53.	1.3	2
28512	Molecular simulation and experimental analysis on thermal and mechanical properties of carbon nanotube/epoxy resin composites with different curing agents at high-low temperature. Polymer Composites, 2018, 39, E945.	4.6	52
28513	Nanomaterial-based gas sensors: A review. Instrumentation Science and Technology, 2018, 46, 115-145.	1.8	94
28514	The stability and dispersion of carbon nanotube-polymer solutions: A molecular dynamics study. Journal of Industrial Textiles, 2018, 47, 1568-1583.	2.4	8
28515	Force constants of BN, SiC, AlN and GaN sheets through discrete homogenization. Meccanica, 2018, 53, 593-611.	2.0	22
28516	Recent advances in bioactive 1D and 2D carbon nanomaterials for biomedical applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 2433-2454.	3.3	104
28517	Investigation of the effect of finite-sized ions on the nanowire field-effect transistor in electrolyte concentration using a modified Poisson-Boltzmann model. Physics and Chemistry of Liquids, 2018, 56, 231-240.	1.2	2
28518	Size-dependent behavior of slacked carbon nanotube actuator based on the higher-order strain gradient theory. International Journal of Mechanics and Materials in Design, 2018, 14, 393-415.	3.0	17
28519	Selective oxidation mediated synthesis of unique SexTey nanotubes, their assembled thin films and photoconductivity. Nano Research, 2018, 11, 665-675.	10.4	7
28520	Free vibration characteristics of nanoscaled beams based on nonlocal integral elasticity theory. JVC/Journal of Vibration and Control, 2018, 24, 3974-3988.	2.6	16
28521	Design of amperometric urea biosensor based on self-assembled monolayer of cystamine/PAMAM-grafted MWCNT/Urease. Sensors and Actuators B: Chemical, 2018, 254, 93-101.	7.8	79
28522	Overview of Hydroxyapatite-Graphene Nanoplatelets Composite as Bone Graft Substitute: Mechanical Behavior and In-vitro Biofunctionality. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 177-212.	12.3	58
28523	Ultrasonic-assisted fabrication of starch/MWCNT-glucose nanocomposites for drug delivery. Ultrasonics Sonochemistry, 2018, 40, 402-409.	8.2	71

#	ARTICLE	IF	CITATIONS
28524	Machining Performance of Hot-Pressed Carbon Nanotube Reinforced Alumina Cutting Tool Insert. Journal of the Institution of Engineers (India): Series C, 2018, 99, 693-699.	1.2	4
28525	Nanotechnology and Nanomaterials for Improving Neural Interfaces. Advanced Functional Materials, 2018, 28, 1700905.	14.9	56
28526	A general synthetic strategy to monolayer graphene. Nano Research, 2018, 11, 3088-3095.	10.4	45
28527	Synthesis of multiwalled carbon nanotubes supported on M/MCM-41 (M=Ni, Co and Fe) mesoporous catalyst by chemical vapour deposition method. Journal of Porous Materials, 2018, 25, 433-441.	2.6	10
28528	Modeling of thermomechanical properties of polymeric hybrid nanocomposites. Polymer Composites, 2018, 39, 4148-4164.	4.6	18
28529	Organic Electrodes and Communications with Excitable Cells. Advanced Functional Materials, 2018, 28, 1700587.	14.9	43
28530	Synthesis of Bio-Based Polyamide/Acid-Functionalized Multiwalled Carbon Nanotube Nanocomposites Using Vanillin. Polymer-Plastics Technology and Engineering, 2018, 57, 1367-1376.	1.9	1
28531	Carbon Nanoadsorbents for Removal of Organic Contaminants from Water. Springer Series on Polymer and Composite Materials, 2018, , 21-53.	0.7	1
28532	Application of nanotechnologies for removing pharmaceutically active compounds from water: development and future trends. Environmental Science: Nano, 2018, 5, 27-47.	4.3	211
28533	Theoretical Prediction of Adsorption Properties of Carmustine Drug on Various Sites of the Outer Surface of the Single-Walled Boron Nitride Nanotube and Investigation of Urea Effect on Drug Delivery by DFT and MD. Journal of Cluster Science, 2018, 29, 93-99.	3.3	10
28534	Synthesis, Characterization and Photocatalytic Activity of Carbon Nanotube/Titanium Dioxide Nanocomposites. Arabian Journal for Science and Engineering, 2018, 43, 199-210.	3.0	35
28535	Finite rotation three and four nodes shell elements for functionally graded carbon nanotubes-reinforced thin composite shells analysis. Computer Methods in Applied Mechanics and Engineering, 2018, 329, 289-311.	6.6	62
28536	DFT study on the selective complexation of B ₁₂ N ₁₂ nanocage with alkali metal ions. Phosphorus, Sulfur and Silicon and the Related Elements, 2018, 193, 178-184.	1.6	16
28538	Synthesis, Characterization, and Applications of Carbon Nanotubes Functionalized with Magnetic Nanoparticles. , 2018, , 37-57.		5
28540	Applications of nanocomposite hydrogels for biomedical engineering and environmental protection. Environmental Chemistry Letters, 2018, 16, 113-146.	16.2	207
28541	Influence of the Hybrid Combination of Multiwalled Carbon Nanotubes and Graphene Oxide on Interlaminar Mechanical Properties of Carbon Fiber/Epoxy Laminates. Applied Composite Materials, 2018, 25, 1115-1131.	2.5	62
28542	Size-dependent cell uptake of carbon nanotubes by macrophages: A comparative and quantitative study. Carbon, 2018, 127, 93-101.	10.3	60
28543	Assessment of the adsorption mechanism of Flutamide anticancer drug on the functionalized single-walled carbon nanotube surface as a drug delivery vehicle: An alternative theoretical approach based on DFT and MD. Applied Surface Science, 2018, 434, 492-503.	6.1	87

#	ARTICLE	IF	CITATIONS
28544	Carbon Nanowalls: A Potential 2-Dimensional Material for Field Emission and Energy-Related Applications. <i>Advanced Structured Materials</i> , 2018, , 27-71.	0.5	3
28545	Recent Trends in the Processing and Applications of Carbon Nanotubes and C-MEMS-Based Carbon Nanowires. <i>Advanced Structured Materials</i> , 2018, , 97-141.	0.5	2
28546	Multiwalled carbon nanotube membranes for water purification. <i>Separation and Purification Technology</i> , 2018, 193, 378-385.	7.9	56
28547	Investigation of electro-thermal property of Cu-MWCNT-coated 316L stainless steel. <i>Surface Engineering</i> , 2018, 34, 697-704.	2.2	16
28548	Kinetics of fresh and fermented palm wine (<i>Raphia hookeri</i>) biosynthesized silver nanoparticles and their antibacterial activities. <i>Journal of the Chinese Advanced Materials Society</i> , 2018, 6, 17-29.	0.7	2
28549	Carbon Nanotubes: Synthesis, Characterization, and Applications. , 2018, , 3-35.		8
28550	A neural network-based surrogate model for carbon nanotubes with geometric nonlinearities. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 328, 411-430.	6.6	47
28551	Global transcriptional responses of denitrifying bacteria to functionalized single-walled carbon nanotubes revealed by weighted gene-coexpression network analysis. <i>Science of the Total Environment</i> , 2018, 613-614, 1240-1249.	8.0	26
28552	Electrical property enhancement by controlled percolation structure of carbon black in polymer-based nanocomposites via nanosecond pulsed electric field. <i>Composites Science and Technology</i> , 2018, 154, 165-174.	7.8	24
28553	Structural and electronic properties of double-walled boron nitride nanocones. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 95, 125-131.	2.7	9
28554	Organic polymer-based monolithic stationary phases with incorporated nanostructured materials for HPLC and CEC. <i>Electrophoresis</i> , 2018, 39, 53-66.	2.4	21
28555	Enhanced thermal and mechanical properties of polyvinylidene fluoride composites with magnetic oriented carbon nanotube. <i>Carbon</i> , 2018, 126, 197-207.	10.3	65
28556	Laser-induced graphene fibers. <i>Carbon</i> , 2018, 126, 472-479.	10.3	287
28557	Isogeometric analysis of functionally graded carbon nanotube reinforced composite nanoplates using modified couple stress theory. <i>Composite Structures</i> , 2018, 184, 633-649.	5.8	88
28558	Field emission properties of a DWCNT bundle and a single MWCNT. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 113, 229-234.	4.0	6
28559	Density-functional theory study of the interaction mechanism and optical properties of flavonols on the boron nitride nanotubes. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25514.	2.0	12
28560	Magnetic carbon nanotubes: preparation, physical properties, and applications in biomedicine. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1314-1330.	2.8	58
28561	Advances in carbon nanotube n-type doping: Methods, analysis and applications. <i>Carbon</i> , 2018, 126, 257-270.	10.3	102

#	ARTICLE	IF	CITATIONS
28562	Interatomic potential suitable for the modeling of penta-graphene: Molecular statics/molecular dynamics studies. Carbon, 2018, 126, 165-175.	10.3	37
28563	Computational approaches to cell–nanomaterial interactions: keeping balance between therapeutic efficiency and cytotoxicity. Nanoscale Horizons, 2018, 3, 6-27.	8.0	44
28564	Template based room temperature growth of high density CdS nanowires from aqueous electrolyte using high frequency alternating current. Journal of Materials Science: Materials in Electronics, 2018, 29, 427-435.	2.2	3
28565	Nonlinear vibrations and energy exchange of single-walled carbon nanotubes. Radial breathing modes. Composite Structures, 2018, 184, 613-632.	5.8	19
28566	Antimicrobial peptides, nanotechnology, and natural metabolites as novel approaches for cancer treatment. , 2018, 183, 160-176.		54
28567	Carbon nanomaterials and their application to electrochemical sensors: a review. Nanotechnology Reviews, 2018, 7, 19-41.	5.8	230
28568	Energies of combustion and enthalpies of formation of carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2018, 131, 2763-2768.	3.6	5
28569	Mussel inspired polymerized P(TA-TETA) for facile functionalization of carbon nanotube. Applied Surface Science, 2018, 433, 94-100.	6.1	23
28570	The effect of multi-walled carbon nanotubes/hydroxyapatite nanocomposites on biocompatibility. Advanced Composite Materials, 2018, 27, 53-65.	1.9	16
28571	Investigation of the interfacial properties of polyurethane/carbon nanotube hybrid composites: A molecular dynamics study. Applied Surface Science, 2018, 433, 213-221.	6.1	20
28572	Surface Structure and Adsorption Characteristics of COOH-Functionalized Multi-Wall Carbon Nanotubes. BioNanoScience, 2018, 8, 668-674.	3.5	3
28573	Linear vibrations of triple-walled carbon nanotubes. Mathematics and Mechanics of Solids, 2018, 23, 1456-1481.	2.4	23
28574	Simultaneous determination of 124 pesticide residues in Chinese liquor and liquor-making raw materials (sorghum and rice hull) by rapid Multi-plug Filtration Cleanup and gas chromatography–tandem mass spectrometry. Food Chemistry, 2018, 241, 258-267.	8.2	60
28575	Structure and dynamics of water inside hydrophobic and hydrophilic nanotubes. Physica A: Statistical Mechanics and Its Applications, 2018, 490, 331-337.	2.6	31
28576	Electrochemical determination of mangiferin and icariin based on Au-AgNPs/MWNTs-SGSs modified glassy carbon electrode. Sensors and Actuators B: Chemical, 2018, 255, 1771-1780.	7.8	14
28577	Biofuel Cells. , 2018, , 161-190.		1
28578	Density functional theory calculations of biomolecules adsorption on phosphorene for biomedical applications. Applied Surface Science, 2018, 427, 1227-1234.	6.1	32
28579	Size-dependent hydro–thermo–electro–mechanical vibration analysis of functionally graded piezoelectric nanobeams resting on Winkler–Pasternak foundation undergoing preload and magnetic field. Microsystem Technologies, 2018, 24, 1713-1731.	2.0	8

#	ARTICLE	IF	CITATIONS
28580	Nanomaterials for agriculture, food and environment: applications, toxicity and regulation. Environmental Chemistry Letters, 2018, 16, 43-58.	16.2	144
28581	Copper matrix nanocomposites based on carbon nanotubes or graphene. Materials Chemistry Frontiers, 2018, 2, 22-35.	5.9	52
28582	The effect of bi-axial in-plane loads on the natural frequency of nano-plates. JVC/Journal of Vibration and Control, 2018, 24, 4513-4528.	2.6	2
28583	Improving CO ₂ separation performance by incorporating MWCNTs@mSiO ₂ core@shell filler in mixed matrix membranes. Polymer Composites, 2018, 39, 4486-4495.	4.6	18
28584	A review of the identification and detection of heavy metal ions in the environment by voltammetry. Talanta, 2018, 178, 324-338.	5.5	374
28585	Low percolation threshold and enhanced electrical and dielectric properties of graphite powder/poly (vinyl alcohol) composites. Polymer Composites, 2018, 39, 4400-4407.	4.6	13
28586	Dispersion and alignment quantification of carbon nanotubes in a polyvinyl alcohol matrix. Journal of Composite Materials, 2018, 52, 1617-1626.	2.4	18
28587	From blackness to invisibility – Carbon nanotubes role in the attenuation of and shielding from radio waves for stealth technology. Carbon, 2018, 126, 31-52.	10.3	114
28588	Review on micromechanics of nano- and micro-fiber reinforced composites. Polymer Composites, 2018, 39, 4243-4274.	4.6	72
28589	Improved electrical heating properties for polymer nanocomposites by electron beam irradiation. Polymer Bulletin, 2018, 75, 2847-2863.	3.3	10
28590	Co-production of hydrogen and carbon nanotubes from real-world waste plastics: Influence of catalyst composition and operational parameters. Applied Catalysis B: Environmental, 2018, 221, 584-597.	20.2	206
28591	O ₂ Reduction in Enzymatic Biofuel Cells. Chemical Reviews, 2018, 118, 2392-2468.	47.7	259
28592	A new method for evaluating the natural frequency in radial breathing like mode vibration of double-walled carbon nanotubes. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2018, 98, 255-269.	1.6	7
28593	Thermal transport properties of graphyne nanotube and carbon nanotube hybrid structure: nonequilibrium molecular dynamics simulations. Journal of Materials Science, 2018, 53, 1310-1317.	3.7	13
28594	Low-velocity impact analysis of carbon nanotube reinforced composite laminates. Journal of Materials Science, 2018, 53, 637-656.	3.7	14
28595	Wave dispersion characteristics of rotating heterogeneous magneto-electro-elastic nanobeams based on nonlocal strain gradient elasticity theory. Journal of Electromagnetic Waves and Applications, 2018, 32, 138-169.	1.6	30
28596	MWCNT/TiO ₂ hybrid nano filler toward high-performance epoxy composite. Ultrasonics Sonochemistry, 2018, 41, 37-46.	8.2	68
28597	Unique synergistic effects of graphene oxide and carbon nanotube hybrids on the tribological properties of polyimide nanocomposites. Tribology International, 2018, 117, 217-224.	5.9	140

#	ARTICLE	IF	CITATIONS
28598	Tight binding simulation study on zigzag single-walled carbon nanotubes. International Journal of Modern Physics B, 2018, 32, 1850020.	2.0	2
28599	Functionalized cellulose nanocrystals as reinforcement in biodegradable polymer nanocomposites. Polymer Composites, 2018, 39, E9.	4.6	88
28600	Influence of the Growth Temperature on the Defective Structure of the Multi-Walled Carbon Nanotubes. Physica Status Solidi (B): Basic Research, 2018, 255, 1700255.	1.5	12
28601	Laser printing of conductive tracks with extremely low electrical resistance on polymer-carbon nanotubes composite: An optimization study of laser setup parameters by design of experiment approach. Polymer Engineering and Science, 2018, 58, 1485-1493.	3.1	5
28602	The Transparent Carbon: the Diamond. , 2018, , 259-298.		1
28603	Carbon nano tubes functionalized with novel functional group- amido-amine for sorption of actinides. Journal of Hazardous Materials, 2018, 345, 63-75.	12.4	31
28604	Architecture and properties of a novel two-dimensional carbon material-graphtetrayne. Nano Energy, 2018, 43, 192-199.	16.0	68
28605	On the snap-through instability of post-buckled FG-CNTRC rectangular plates with integrated piezoelectric layers. Computer Methods in Applied Mechanics and Engineering, 2018, 331, 53-71.	6.6	42
28606	Adsorption of heavy metals on conventional and nanostructured materials for wastewater treatment purposes: A review. Ecotoxicology and Environmental Safety, 2018, 148, 702-712.	6.0	1,135
28607	Carboxylated carbon nanotubes corked with tetraalkylammonium cations: A concept of nanocarriers in aqueous solutions. Journal of Molecular Liquids, 2018, 270, 203-211.	4.9	6
28608	Growth of Black Phosphorus Nanobelts and Microbelts. Small, 2018, 14, 1702501.	10.0	18
28609	Graphene and carbon nanotubes as solid phase extraction sorbents for the speciation of chromium: A review. Analytica Chimica Acta, 2018, 1002, 1-17.	5.4	101
28610	Microstructure and synergistic-strengthening efficiency of CNTs-SiCp dual-nano reinforcements in aluminum matrix composites. Composites Part A: Applied Science and Manufacturing, 2018, 105, 87-96.	7.6	72
28611	Static Behavior of Carbon Nanotubes Reinforced Functionally Graded Nanocomposite Cylindrical Panels. Lecture Notes in Mechanical Engineering, 2018, , 199-207.	0.4	1
28612	Voltammetric sensing of nitrite in aqueous solution using titanium dioxide anchored multiwalled carbon nanotubes. Ionics, 2018, 24, 2489-2498.	2.4	12
28613	Strain-Induced Rolled Thin Films for Lightweight Tubular Thermoelectric Generators. Advanced Materials Technologies, 2018, 3, 1700192.	5.8	14
28614	Theoretical study of the structural and electronic properties of novel stanene-based buckled nanotubes and their adsorption behaviors. Applied Surface Science, 2018, 435, 733-742.	6.1	22
28615	Development of a promising drug delivery for formononetin: Cyclodextrin-modified single-walled carbon nanotubes. Journal of Drug Delivery Science and Technology, 2018, 43, 461-468.	3.0	58

#	ARTICLE	IF	CITATIONS
28616	One-step liquid-phase synthesis of platinum nanocatalysts supported on aligned carbon nanotube arrays. <i>Materials Chemistry and Physics</i> , 2018, 204, 323-327.	4.0	5
28617	Pressure-induced phase transition and fracture in $\text{I}\pm\text{-MoO}_3$ nanoribbons. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 193, 47-53.	3.9	12
28618	Carbon nanotubes as nanovectors for intracellular delivery of laronidase in Mucopolysaccharidosis type I. <i>Nanoscale</i> , 2018, 10, 657-665.	5.6	13
28619	Effects of a chemically modified multiwall carbon nanotubes on electro-optical properties of PDLC films. <i>Liquid Crystals</i> , 2018, 45, 1023-1031.	2.2	35
28620	Recent advances in carbon nanotube based electrochemical biosensors. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 687-703.	7.5	206
28621	The Graovac-Pisanski index of armchair tubulenes. <i>Journal of Mathematical Chemistry</i> , 2018, 56, 1103-1116.	1.5	6
28622	Mechanical properties investigation on single-wall ZrO_2 nanotubes: A finite element method with equivalent Poisson's ratio for chemical bonds. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 98, 23-28.	2.7	1
28623	Augmenting static and dynamic mechanical strength of carbon nanotube/epoxy soft nanocomposites via modulation of purification and functionalization routes. <i>Soft Matter</i> , 2018, 14, 291-300.	2.7	13
28624	Effect of Al doping on structure and optical properties of ZnO nanowires grown by MOCVD. <i>Materials Research Express</i> , 2018, 5, 015003.	1.6	8
28625	Enhancement in mechanical properties and conductivity of modified epoxy resin composites. <i>High Performance Polymers</i> , 2018, 30, 1169-1182.	1.8	2
28626	Polyaniline-Nanomaterial Composites. , 2018, , 305-325.		3
28627	Hard and tough $\text{Al}_2\text{O}_3\text{-SiC-CNT}$ hybrid ceramic nanocomposite produced by molecular level mixing and spark plasma sintering. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 401-410.	1.9	9
28628	Recent development of novel membranes for desalination. <i>Desalination</i> , 2018, 434, 37-59.	8.2	183
28629	Exploring the Nanotoxicology of MoS_2 : A Study on the Interaction of MoS_2 Nanoflakes and K^+ Channels. <i>ACS Nano</i> , 2018, 12, 705-717.	14.6	44
28630	Electrochemical sensing of trifluralin in water by fluconazole-immobilized $\text{Fe}_3\text{O}_4/\text{SiO}_2$ nanomagnetic core-shell linked to carbon nanotube modified glassy carbon electrode; an experimental and theoretical modeling. <i>Journal of the Iranian Chemical Society</i> , 2018, 15, 719-732.	2.2	12
28631	Crystallization behaviors and mechanical properties of carbon nanotube encapsulated copper nanowires. <i>Computational Materials Science</i> , 2018, 143, 350-359.	3.0	6
28632	Controlled synthesis of magnetic carbon nanoparticles via glycerol/ferrocene co-pyrolysis with magnetic induction. <i>Particuology</i> , 2018, 37, 9-16.	3.6	2
28633	Effect of multiwalled carbon nanotube alignment on the tensile fatigue behavior of nanocomposites. <i>Journal of Composite Materials</i> , 2018, 52, 2365-2374.	2.4	22

#	ARTICLE	IF	CITATIONS
28634	Multi-scale Simulation of Double-Walled Carbon Nanotube-Reinforced Composites. Iranian Journal of Science and Technology, Transaction A: Science, 2018, 42, 1177-1184.	1.5	1
28635	An isogeometric approach for dynamic response of laminated FG-CNT reinforced composite plates integrated with piezoelectric layers. Computer Methods in Applied Mechanics and Engineering, 2018, 332, 25-46.	6.6	52
28636	Sensing of low concentration of ammonia at room temperature by decorated multi-walled carbon nanotube: fabrication and characteristics. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	5
28637	Electrochemical properties and sensing applications of nanocarbons: A comparative study. Carbon, 2018, 129, 301-309.	10.3	34
28638	Competitive adsorption of PPCP and humic substances by carbon nanotube membranes: Effects of coagulation and PPCP properties. Science of the Total Environment, 2018, 619-620, 352-359.	8.0	35
28639	Boron nanocrystals as high-energy-density fuels. Journal Physics D: Applied Physics, 2018, 51, 025305.	2.8	5
28640	The structure and interaction mechanisms of C10H16@(13,Â0)SWCNT under high pressure. International Journal of Modern Physics B, 2018, 32, 1850054.	2.0	3
28641	Interaction Studies of Ammonia Gas Molecules on Borophene Nanosheet and Nanotubes: A Density Functional Study. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 920-931.	3.7	13
28642	Double functionalization of a fullerene in drastic arc-discharge conditions: synthesis and formation mechanism of C2v(2)-C78Cl6(C5Cl6). Carbon, 2018, 129, 286-292.	10.3	7
28643	Group 6 transition metal dichalcogenide nanomaterials: synthesis, applications and future perspectives. Nanoscale Horizons, 2018, 3, 90-204.	8.0	309
28644	Hydrogen adsorption on graphene, hexagonal boron nitride, and graphene-like boron nitride-carbon heterostructures: A comparative theoretical study. International Journal of Hydrogen Energy, 2018, 43, 801-808.	7.1	40
28645	Porous Hollow PtNi/C Electrocatalysts: Carbon Support Considerations To Meet Performance and Stability Requirements. ACS Catalysis, 2018, 8, 893-903.	11.2	67
28646	Multi-walled carbon nanotubes applied through seedâ€priming influence early germination, root hair, growth and yield of bread wheat (<i>Triticum aestivum</i> L.). Journal of the Science of Food and Agriculture, 2018, 98, 3148-3160.	3.5	127
28647	Nonlocal Dynamic Stability of DWCNTs Containing Pulsating Viscous Fluid Including Surface Stress and Thermal Effects Based on Sinusoidal Higher Order Shear Deformation Shell Theory. Journal of Mechanics, 2018, 34, 387-398.	1.4	1
28648	Transport diffusion in deformed carbon nanotubes. Physica A: Statistical Mechanics and Its Applications, 2018, 493, 155-161.	2.6	8
28649	Fiber Reinforcement. , 2018, , 63-150.		0
28650	Preparation and Application of Polymer-Composited Yarn and Knit Containing CNT/Ceramic. Clothing and Textiles Research Journal, 2018, 36, 3-16.	3.4	3
28651	Electrical conductivity, aging behavior, and electromagnetic interference (EMI) shielding properties of polyaniline/MWCNT nanocomposites. Journal of Thermoplastic Composite Materials, 2018, 31, 1393-1415.	4.2	27

#	ARTICLE	IF	CITATIONS
28652	Electrified single-walled carbon nanotube/epoxy nanocomposite via vacuum shock technique: Effect of alignment on electrical conductivity and electromagnetic interference shielding. <i>Polymer Composites</i> , 2018, 39, E1139.	4.6	47
28653	The Tensile Fatigue Behaviour of Aligned MWNT/Epoxy Nanocomposites. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 351-359.	0.4	6
28654	Longitudinal vibration analysis of nanorods with multiple discontinuities based on nonlocal elasticity theory using wave approach. <i>Microsystem Technologies</i> , 2018, 24, 2445-2461.	2.0	3
28655	Efficient cold cathode emission in crystalline-amorphous hybrid: Study on carbon nanotube-cadmium selenide system. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 97, 162-169.	2.7	5
28656	Fructose functionalized MWCNT as a filler for starch nanocomposites: Fabrication and characterizations. <i>Progress in Organic Coatings</i> , 2018, 114, 244-249.	3.9	15
28657	Probabilistic mechanical properties and reliability of carbon nanotubes. <i>Archives of Civil and Mechanical Engineering</i> , 2018, 18, 532-545.	3.8	13
28658	Nonlinear elastic properties of graphene sheet using MM3 potential under finite deformation. <i>Composites Part B: Engineering</i> , 2018, 136, 81-91.	12.0	17
28659	Oxygen reduction reaction of (C-PCTNB@CNTs): A nitrogen and phosphorus dual-doped carbon electro-catalyst derived from polyphosphazenes. <i>Journal of Power Sources</i> , 2018, 373, 61-69.	7.8	40
28660	Carbon nanotubes: A potential material for energy conversion and storage. <i>Progress in Energy and Combustion Science</i> , 2018, 64, 219-253.	31.2	184
28661	Modeling the transport of sodium dodecyl benzene sulfonate in riverine sediment in the presence of multi-walled carbon nanotubes. <i>Water Research</i> , 2018, 129, 20-28.	11.3	84
28662	Friction effect of stator in a multi-walled CNT-based rotation transmission system. <i>Nanotechnology</i> , 2018, 29, 045706.	2.6	5
28663	Application and developing of iron-doped multi-walled carbon nanotubes (Fe/MWCNTs) as an efficient and reusable heterogeneous nanocatalyst in the synthesis of heterocyclic compounds. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4124.	3.5	24
28664	Synergistic effect of carbon nanotubes and graphene for high performance cellulose acetate membranes in biomedical applications. <i>Carbohydrate Polymers</i> , 2018, 183, 50-61.	10.2	62
28665	A multi-prong approach towards the development of high performance Temperature sensor using MWCNTs/Al ₂ O ₃ composite film. <i>Materials Research Bulletin</i> , 2018, 99, 1-9.	5.2	7
28666	Development of highly sensitive optical sensor from carbon nanotube-alumina nanocomposite free-standing films: CNTs loading dependence sensor performance Analysis. <i>Sensors and Actuators A: Physical</i> , 2018, 269, 62-69.	4.1	28
28667	Viscoelastic modeling and vibration damping characteristics of hybrid CNTs-CFRP composite shell structures. <i>Acta Mechanica</i> , 2018, 229, 1321-1352.	2.1	13
28668	A survey on buckling analysis of nanostructures via nonlocal elasticity theory. <i>Journal of Information and Optimization Sciences</i> , 2018, 39, 213-221.	0.3	2
28669	Wave propagation in viscoelastic thin cylindrical nanoshell resting on a visco-Pasternak foundation based on nonlocal strain gradient theory. <i>Thin-Walled Structures</i> , 2018, 122, 378-386.	5.3	97

#	ARTICLE	IF	CITATIONS
28670	Effective dispersion of multi-walled carbon nanotubes in aqueous solution using an ionic-gemini dispersant. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 750-757.	9.4	40
28671	How shell thickness can affect the gas sensing properties of nanostructured materials: Survey of literature. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 270-294.	7.8	117
28672	Adsorption of ion pairs onto graphene flakes and impacts of counterions during the adsorption processes. <i>Applied Surface Science</i> , 2018, 435, 329-337.	6.1	14
28673	Spin-charge transport properties for graphene/graphyne zigzag-edged nanoribbon heterojunctions: A first-principles study. <i>Carbon</i> , 2018, 127, 519-526.	10.3	41
28674	Investigation of mechanical properties of repair mortars containing high-volume fly ash and nano materials. <i>Journal of the Australian Ceramic Society</i> , 2018, 54, 261-270.	1.9	9
28675	Predicting rutting performance of carbon nano tube (CNT) asphalt binders using regression models and neural networks. <i>Construction and Building Materials</i> , 2018, 160, 415-426.	7.2	70
28676	Molecular dynamics simulations of gallium nitride nanosheets under uniaxial and biaxial tensile loads. <i>International Journal of Modern Physics B</i> , 2018, 32, 1850051.	2.0	2
28677	Instabilities in carbon nanocone stacks. <i>Carbon</i> , 2018, 127, 404-411.	10.3	5
28678	Free Vibration Analysis of Carbon Fiber-Carbon Nanotube-Polymer Matrix Composite Plates by a Finite Element-Based Multi-Scale Modeling Approach. <i>Journal of Multiscale Modeling</i> , 2018, 09, 1850002.	1.1	9
28679	Detection of early stage prostate cancer by using a simple carbon nanotube@paper biosensor. <i>Biosensors and Bioelectronics</i> , 2018, 102, 345-350.	10.1	71
28680	Electrodeposited Cu/buckypaper composites with high electrical conductivity and ampacity. <i>Journal of Alloys and Compounds</i> , 2018, 735, 163-171.	5.5	16
28681	A novel route to synthesize carbon spheres and carbon nanotubes from carbon dioxide in a molten carbonate electrolyzer. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 208-216.	6.0	43
28682	Recent progress in solution plasma-synthesized-carbon-supported catalysts for energy conversion systems. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 0102A2.	1.5	10
28683	Effect of superplasticizer type and siliceous materials on the dispersion of carbon nanotube in cementitious composites. <i>Composite Structures</i> , 2018, 185, 264-272.	5.8	49
28684	New synthetic method for the synthesis of 1,4-dihydropyridine using aminated multiwalled carbon nanotubes as high efficient catalyst and investigation of their antimicrobial properties. <i>Journal of Saudi Chemical Society</i> , 2018, 22, 876-885.	5.2	44
28685	Chemically uracil-functionalized carbon and silicon carbide nanotubes: Computational studies. <i>Materials Chemistry and Physics</i> , 2018, 205, 164-170.	4.0	12
28686	Investigation of NH ₃ adsorption behavior on graphdiyne nanosheet and nanotubes: A first-principles study. <i>Journal of Molecular Liquids</i> , 2018, 249, 24-32.	4.9	65
28687	Development of efficient size-dependent plate models for axial buckling of single-layered graphene nanosheets using molecular dynamics simulation. <i>Microsystem Technologies</i> , 2018, 24, 1265-1277.	2.0	25

#	ARTICLE	IF	CITATIONS
28688	Reversible and fast responding ppb level Cl ₂ sensor based on noncovalent modified carbon nanotubes with Hexadecafluorinated copper phthalocyanine. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 87-99.	7.8	32
28689	Toxic CO detection by Li-encapsulated fullerene-like BeO. <i>Structural Chemistry</i> , 2018, 29, 231-241.	2.0	8
28690	A fabrication process to make CNT/EP composite strain sensors. <i>High Performance Polymers</i> , 2018, 30, 224-229.	1.8	12
28691	The effects of recycling on the structure and properties of carbon nanotube-filled polycarbonate. <i>Polymer Engineering and Science</i> , 2018, 58, 1278-1284.	3.1	8
28692	Non-covalently anchored multi-walled carbon nanotubes with hexa-decafluorinated zinc phthalocyanine as ppb level chemiresistive chlorine sensor. <i>Applied Surface Science</i> , 2018, 427, 202-209.	6.1	36
28693	Framing the Cattaneo-Christov Heat Flux Phenomena on CNT- Based Maxwell Nanofluid Along Stretching Sheet with Multiple Slips. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 1177-1188.	3.0	24
28694	Synthesis of multi-walled carbon nanotubes using tire pyrolysis oil as a carbon precursor by spray pyrolysis method. <i>Inorganic and Nano-Metal Chemistry</i> , 2018, 48, 103-106.	1.6	16
28695	Design and evaluation of functionalized multi-walled carbon nanotubes by 3-aminopyrazole for the removal of Hg(II) and As(III) ions from aqueous solution. <i>Research on Chemical Intermediates</i> , 2018, 44, 69-92.	2.7	34
28696	Poly (vinylidene fluoride)/polyaniline/MWCNT nanocomposite ultrafiltration membrane for natural organic matter removal. <i>Separation and Purification Technology</i> , 2018, 190, 143-155.	7.9	74
28697	Production of Water Dispersible Carbon Nanotubes and Nanotube/Cellulose Composite. , 2018, , .		0
28698	Nanoscale Scanning Probe Thermometry. , 2018, , .		2
28699	Study of Electrical Properties of Nickel Doped Polyurethane Nanocomposites. <i>Polymer Science</i> , 2018, 04, .	0.2	2
28700	Topological Indices of H-Naphtalenic Nanosheet. <i>Open Chemistry</i> , 2018, 16, 1184-1188.	1.9	6
28701	Gold Nanoparticle Conjugated Water Soluble Multiwall Carbon Nanotubes. <i>Chemosensors</i> , 2018, 6, 36.	3.6	0
28702	Darcy-Forchheimer flow of MHD CNTs nanofluid radiative thermal behaviour and convective non uniform heat source/sink in the rotating frame with microstructure and inertial characteristics. <i>AIP Advances</i> , 2018, 8, .	1.3	39
28703	Magnetic excitations of carbon nanotubes in chiral model of graphene. <i>EPJ Web of Conferences</i> , 2018, 185, 11007.	0.3	1
28704	Analysis on Mars Atmospheric Composition Probing Technology in the Future. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 428, 012020.	0.6	0
28705	Synthesis and Physicochemical Characterization of Multiwalled Carbon Nanotubes/Hydroxamic Alginate Nanocomposite Scaffolds. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-12.	2.7	12

#	ARTICLE	IF	CITATIONS
28706	Electrochemical Detection of Hydroquinone by Square Wave Voltammetry using a Zn Layered Hydroxide-Ferulate (ZLH-F) Modified MWCNT Paste Electrode. International Journal of Electrochemical Science, 2018, 13, 373-383.	1.3	13
28707	Morphological and structural features of materials formed in carbon plasma of arc discharge. Journal of Physics: Conference Series, 2018, 1105, 012135.	0.4	0
28708	Preparation Of Poly(Vinyl) Alcohol “ Multiwalled Carbon Nanotubes Nanocomposite As Conductive And Transparent Film Using Casting Method. Journal of Physics: Conference Series, 2018, 1116, 032017.	0.4	8
28709	Gelation Properties of Nano-tube Imogolite: Potential Application as Herbal Delivery Material. IOP Conference Series: Earth and Environmental Science, 2018, 187, 012072.	0.3	0
28710	Observations of a novel strengthening mechanism in HDPE nanocomposites. Nanocomposites, 2018, 4, 215-222.	4.2	5
28711	Enhanced carbon nanotubes dispersion in epoxy matrices using a CNT tailored block copolymer. Science and Technology of Materials, 2018, 30, 87-92.	0.8	0
28712	Graphene Nanosheets Reinforced Epoxy Nanocomposites: Mechanical and Electrical Properties Evaluation. Polymer Science - Series A, 2018, 60, 854-865.	1.0	3
28713	Comparison between Carbon Nanotube-Based, Graphite-Based, and Rice Hull Carbon-Based Electrodes with Rice Hull Silica as Catalyst for Electrochemical Detection of Copper. Key Engineering Materials, 2018, 775, 283-288.	0.4	0
28714	From 1D copper-based metal-organic coordination polymer to 1D multi-walled carbon nanotube: fabrication, characterization and property. Inorganic and Nano-Metal Chemistry, 2018, 48, 607-614.	1.6	1
28715	Multi-walled carbon nanotube reinforced polymer as a bonded repair for Al 2024-T3 fatigue crack growth. Revista Materia, 2018, 23, .	0.2	1
28716	Mechanical and thermal properties of cellulose nanofiber composites with nanodiamond as nanocarbon filler. Nanocomposites, 2018, 4, 127-136.	4.2	13
28717	Polypropylene nanocomposite for power equipment: a review. IET Nanodielectrics, 2018, 1, 92-103.	4.1	41
28718	Characterization of CNT properties using space-frame structure. Journal of Mechanics of Materials and Structures, 2018, 13, 443-461.	0.6	0
28720	Synthesis and Optical Properties of Iodinated Multi-walled Carbon Nanotubes. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 125, 921-927.	0.6	3
28721	Characterization of Multiwall Carbon Nanotube Thin Films Electrodeposited on Indium Tin Oxide Substrates. , 2018, , .		1
28722	Free Vibration Analysis of Single-Walled Carbon Nanotubes Based on the Nonlocal Higher-Order Cylindrical Beam Model. Acta Acustica United With Acustica, 2018, 104, 284-294.	0.8	2
28723	Carbon Nanotubes: Properties, Synthesis, and Application. Fibre Chemistry, 2018, 50, 297-300.	0.2	15
28724	Cooperation Method of Symmetrically Distributed Multi-Nanorobotic Manipulators Inside SEM for Nanodevice Constructing. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
28725	Applications of Nano Technology in Civil Engineering. International Journal of Strategic Engineering, 2018, 1, 48-64.	0.3	8
28726	Rapid Detection of Nitrofurantoin and Its Metabolites by Using Carboxylic Multi-walled Carbon Nanotubes Modified Glassy Carbon Electrode. International Journal of Electrochemical Science, 2018, 13, 4171-4181.	1.3	8
28727	Conducting polymer networks synthesized by photopolymerization-induced phase separation. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2018, 9, 015009.	1.5	2
28729	Effects of Environment and Fatigue on the Piezoresistivity of Carbon Nanotube/Cement Composite. Journal of Highway and Transportation Research and Development (English Edition), 2018, 12, 16-21.	0.1	3
28730	Carbon Nanotube-Coated Thread as Sensor for Wearable Mechanomyography of Leg Muscles. , 2018, , .		4
28731	Detecting decompositions of sulfur hexafluoride using Ge modified SWCNT: a theoretical evaluation. , 2018, , .		0
28732	Highly Selective Ozone Sensors Based on Functionalized Carbon Nanotubes. , 2018, , .		6
28733	Natural convection channel flow of CMC-based CNTs nanofluid. European Physical Journal Plus, 2018, 133, 1.	2.6	41
28734	Graphene-based biosensors for on-site detection of contaminants in food. Analytical Methods, 2018, 10, 5061-5070.	2.7	51
28735	Assessment of DFT for endohedral complexes' dipole moment: PNO-LCCSD-F12 as a reference method. Physical Chemistry Chemical Physics, 2018, 20, 29374-29388.	2.8	3
28736	Simulation of the Raman spectroscopy of multi-layered carbon nanomaterials. Physical Chemistry Chemical Physics, 2018, 20, 28001-28010.	2.8	8
28737	Thermal Transport and Challenges on Nanofluids Performance. , 0, , .		5
28738	Synthesis, purification, properties and characterization of sorted single-walled carbon nanotubes. Nanoscale, 2018, 10, 22087-22139.	5.6	62
28739	Facile way to fabricate high quality white LED with yellow graphene quantum dots. , 2018, , .		0
28740	Materials and design of nanostructured broadband light absorbers for advanced light-to-heat conversion. Nanoscale, 2018, 10, 21555-21574.	5.6	111
28741	Polypyrrole-modified magnetic multi-walled carbon nanotube-based magnetic solid-phase extraction combined with dispersive liquid-liquid microextraction followed by UHPLC-MS/MS for the analysis of sulfonamides in environmental water samples. New Journal of Chemistry, 2018, 42, 19578-19590.	2.8	14
28742	Large tunability in the mechanical and thermal properties of carbon nanotube-fullerene hierarchical monoliths. Nanoscale, 2018, 10, 22166-22172.	5.6	7
28743	The Use of Multi-Walled Carbon Nanotubes and Titanium Oxide Nano Particles in the Construction of Calcium Ionophore IV Based Calcium-Selective Electrodes. International Journal of Electrochemical Science, 2018, , 9452-9465.	1.3	3

#	ARTICLE	IF	CITATIONS
28744	Structural and Vibrational Properties of C60 and C70 Fullerenes Encapsulating Carbon Nanotubes. , 2018, , .		0
28745	Studies of Nanocomposites of Carbon Nanotubes and a Negative Dielectric Anisotropy Liquid Crystal. , 2018, , .		0
28746	Methyltrimethoxysilane silica aerogel composite with carboxyl-functionalised multi-wall carbon nanotubes. International Journal of Nanotechnology, 2018, 15, 587.	0.2	3
28747	Production of Carbon Nanotubes by an Underwater Arc Discharge Method Using a Metal Cathode. E-Journal of Surface Science and Nanotechnology, 2018, 16, 343-346.	0.4	0
28749	Time-resolved optical diagnostics of solution plasma formed with graphite electrodes. Japanese Journal of Applied Physics, 2018, 57, 0102B3.	1.5	2
28751	Tensile Behavior of Three Phased Glass/Epoxy Laminate Embedded with MWCNTs: An Experimental Approach. Materials Today: Proceedings, 2018, 5, 8176-8183.	1.8	7
28752	0069 The Different Effect of Tongue Motor Task Training (TTT) and Strength Training (ST) on the Modulation of Genioglossus Corticomotor Excitability in Rats. Sleep, 2018, 41, A28-A28.	1.1	0
28753	Mechanisms Underlying the Fibrogenic Responses of Carbon Nanotubes. Advances in Molecular Toxicology, 2018, , 47-68.	0.4	1
28754	Nanomaterials in Structural Engineering. , 0, , .		4
28755	Nanoporous Carbon Synthesis: An Old Story with Exciting New Chapters. , 0, , .		16
28756	Mechanical and piezo-resistance behavior of CNTs/Epoxy resin composite for structural health monitoring. , 2018, , .		0
28757	Numerical simulation of the plasma parameters of a low-pressure arc discharge in helium. Journal of Physics: Conference Series, 2018, 1128, 012119.	0.4	0
28758	Novel Two-Dimensional Nanomaterial: High Aspect Ratio Titania Nanoflakes. , 0, , .		0
28759	Dispersion of Escherichia coli Contaminated Water Using Multiwall carbon nanotube. , 2018, , .		0
28760	Nonlinear Rosseland thermal radiation and energy dissipation effects on entropy generation in CNTs suspended nanofluids flow over a thin needle. Boundary Value Problems, 2018, 2018, .	0.7	30
28761	Biomedical X-ray imaging enabled by carbon nanotube X-ray sources. Chinese Journal of Chemical Physics, 2018, 31, 529-536.	1.3	2
28762	Impact of MWCNT Radii on the Performance of Nano Regime Interconnects. , 2018, , .		1
28763	Biomedical Applications and Toxicological Aspects of Functionalized Carbon Nanotubes. Critical Reviews in Therapeutic Drug Carrier Systems, 2018, 35, 293-330.	2.2	39

#	ARTICLE	IF	CITATIONS
28764	Authentication of Artifact-Metrics Using Optical Properties of Carbon Nanotube Composite Papers. Vacuum and Surface Science, 2018, 61, 209-214.	0.1	0
28765	Deflection behavior of carbon nanotube reinforced polymer composite beams using first order shear deformation theory. Materials Today: Proceedings, 2018, 5, 26836-26842.	1.8	6
28766	Molecular Dynamics Simulation of Nylon/CNT Composites. Materials Today: Proceedings, 2018, 5, 27710-27717.	1.8	10
28767	Effect of Fabrication Methods on Mechanical Properties and Machining Parameters of Aluminium Matrix Composites-A Review. Materials Today: Proceedings, 2018, 5, 22576-22580.	1.8	4
28768	Prospects for the Use of Carbon Nanotubes in Medicine. Journal of Oncology Medicine & Practice, 2018, 03, .	0.1	1
28769	Highly Anisotropic Polymer Composites Based on Carbon Nanotubes. , 0, , .		1
28770	Synthesis, characterization and applications of nano/micro carbonaceous inerts: A review. Procedia Structural Integrity, 2018, 9, 116-125.	0.8	9
28771	Design and Simulation of MEMS Gas Sensor Topologies for Detection of Inert Gases. Materials Today: Proceedings, 2018, 5, 21355-21362.	1.8	4
28772	Elaboration of carbon nanowalls using radio frequency plasma enhanced chemical vapor deposition. Materials Today: Proceedings, 2018, 5, 22764-22769.	1.8	8
28773	Fabrication and characterization of thermally conductive PMMA/MWCNT nanocomposites. Materials Today: Proceedings, 2018, 5, 28328-28336.	1.8	10
28774	Influence of imperfections on double walled carbon nanotube mechanical properties. Materials Today: Proceedings, 2018, 5, 17397-17403.	1.8	4
28775	Field emission property of vertically aligned nitrogen-doped multi-walled carbon nanotubes produced by chemical vapor deposition. Materials Today: Proceedings, 2018, 5, 14965-14969.	1.8	2
28776	Evaluation of Directional Strength of SWCNT Reinforced Nanocomposites: A Finite Element Study. Materials Today: Proceedings, 2018, 5, 20528-20534.	1.8	5
28777	Evaluation and Applications of Dispersing Carbon Nanotube in the Polymers. , 2018, , 813-817.		0
28778	Effect of Preloaded Ferrocene in Co-pyrolysis of Kerosene/Ferrocene on CNT Synthesis. Nihon Enerugi Gakkaishi/Journal of the Japan Institute of Energy, 2018, 97, 180-185.	0.2	4
28779	Three-dimensional few-cycle optical pulses in an array of carbon nanotubes inside a magnetic field. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 17-20.	0.6	1
28780	Study of the Emission Characteristics of Single-Walled CNT and Carbon Nano-Fiber Pyrograf III. IOP Conference Series: Materials Science and Engineering, 2018, 305, 012009.	0.6	0
28781	Use of tapered Pyrex capillary tubes to increase the mechanical stability of multiwall carbon nanotubes field emitters. IOP Conference Series: Materials Science and Engineering, 2018, 305, 012026.	0.6	1

#	ARTICLE	IF	CITATIONS
28782	Synthesis of metal catalyst carbon nanotubes by arc-discharge method used for energy efficient applications. AIP Conference Proceedings, 2018, , .	0.4	3
28783	Ab-initio study of electronic properties of a two-dimensional array of carbon nanotubes. Journal of Physics: Conference Series, 2018, 1092, 012120.	0.4	0
28784	On the Performance of Carbon Nanotubes on Sintered Alumina-Zirconia Ceramics. , 0, , .		0
28785	Synthesis of Micro/nanostructured Carbon from Refined Sugar and its Electrochemical Performance. International Journal of Electrochemical Science, 2018, , 708-718.	1.3	2
28787	Toward to the Theory of Plasma Waves on the Surface of Nanotube with Superlattice. , 2018, , .		0
28789	10. Sorbents Based on Carbon Nanotubes. , 2018, , 343-388.		1
28790	Evaluation of Ozone Damage of Carbon Nanotubes. Vacuum and Surface Science, 2018, 61, 797-801.	0.1	0
28791	Advanced Nanomaterials Synthesis from Pyrolysis and Hydrothermal Carbonization: A Review. Current Organic Chemistry, 2018, 22, 446-461.	1.6	22
28793	Enhancement of wound healing by single-wall/multi-wall carbon nanotubes complexed with chitosan. International Journal of Nanomedicine, 2018, Volume 13, 7195-7206.	6.7	47
28794	Imogolite Nanotubes: A Flexible Nanoplatfrom with Multipurpose Applications. Applied Sciences (Switzerland), 2018, 8, 1921.	2.5	39
28795	Dispersion of Multi-Walled Carbon Nanotubes Stabilized by Humic Acid in Sustainable Cement Composites. Nanomaterials, 2018, 8, 858.	4.1	23
28796	Tungsten Carbide and Cobalt Modified Nickel Nanoparticles Supported on Multiwall Carbon Nanotubes as Highly Efficient Electrocatalysts for Urea Oxidation in Alkaline Electrolyte. ACS Applied Materials & Interfaces, 2018, 10, 41338-41343.	8.0	25
28797	Hierarchical Flowerlike 3D nanostructure of Co ₃ O ₄ @MnO ₂ /N-doped Graphene oxide (NGO) hybrid composite for a high-performance supercapacitor. Scientific Reports, 2018, 8, 16543.	3.3	71
28798	Preparation of multi-walled carbon nanotubes/polydimethylsiloxane composite for electronic skin application. , 2018, , .		1
28799	Graphene quantum dots from chemistry to applications. Materials Today Chemistry, 2018, 10, 221-258.	3.5	539
28800	Geometric and electronic structures of two-dimensionally polymerized triptycene: covalent honeycomb networks comprising triptycene and polyphenyl. Japanese Journal of Applied Physics, 2018, 57, 125203.	1.5	10
28801	Coal Waste to Two-Dimensional Materials: Fabrication of $\text{Fe}_{2}\text{O}_{3}$ Nanosheets and MgO Nanosheets from Brown Coal Fly Ash. ACS Sustainable Chemistry and Engineering, 2018, 6, 15982-15987.	6.7	13
28802	First Principle Study on Optical Properties of Tri-Group Doped (6,6) SiC Nanotubes. Chinese Physics Letters, 2018, 35, 117801.	3.3	5

#	ARTICLE	IF	CITATIONS
28803	Synthesis, properties, and applications of carbon nanotubes filled with foreign materials: a review. Materials Today Physics, 2018, 7, 7-34.	6.0	104
28804	Prediction of the structure of non-carbon nanotube WS ₂ . AIP Conference Proceedings, 2018, , .	0.4	1
28805	Adsorption of Gold(I) and Gold(III) Using Multiwalled Carbon Nanotubes. Applied Sciences (Switzerland), 2018, 8, 2264.	2.5	16
28806	Non-Local Buckling Analysis of Functionally Graded Nanoporous Metal Foam Nanoplates. Coatings, 2018, 8, 389.	2.6	16
28807	Multi-walled carbon nanotubes under focused electron beam: metal passivation effect and nanoscaled curvature effect. Journal of Physics Condensed Matter, 2018, 30, 385302.	1.8	3
28808	Surface Characteristics Control the Attachment and Functionality of (Chimeric) Avidin. Langmuir, 2018, 34, 15335-15342.	3.5	5
28809	Improvement on Dispersion of Carbon Nanotubes in Polymer Matrix by Using the Solvent with a Low Boiling Point. Materials Science Forum, 0, 939, 170-176.	0.3	0
28810	Fundamentals of Biomaterials. , 2018, , .		20
28811	Evaluación del efecto genotóxico y mutagénico en linfocitos humanos expuestos a nanotubos de carbono modificados. DYNA (Colombia), 2018, 85, 348-354.	0.4	0
28812	Fabrication and Strength Behavior of MWCNT-Reinforced 5083 Aluminum Alloy Composite via Friction Stir Processing. Materials Transactions, 2018, 59, 1798-1804.	1.2	7
28813	Transmission Electron Microscopy of Carbon: A Brief History. Journal of Carbon Research, 2018, 4, 4.	2.7	34
28814	Submerged Electrical Arc Discharge for Nanoparticles Fabrication Using Carbon-Based Electrodes. Materials Science Forum, 2018, 939, 141-146.	0.3	6
28815	Adsorption characteristics of organics in the effluent of ultra-short SRT wastewater treatment by single-walled, multi-walled, and graphitized multi-walled carbon nanotubes. Scientific Reports, 2018, 8, 17245.	3.3	17
28816	Nanotubes from the Misfit Compound Alloy LaS _{Nb} _x Ta _(1-x) S ₂ . Chemistry of Materials, 2018, 30, 8829-8842.	6.7	11
28817	Chemical Sensing Applications of Carbon Nanotube-Deposited Optical Fibre Sensors. Chemosensors, 2018, 6, 55.	3.6	7
28818	Simultaneous determination of broflanilide and its metabolites in five typical Chinese soils by a modified quick, easy, cheap, effective, rugged, and safe method with ultra high performance liquid chromatography and tandem mass spectrometry. Journal of Separation Science, 2018, 41, 4515-4524.	2.5	16
28819	Systematic parametric investigation on the CVD process of polysiloxane nano- and microstructures. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	8
28820	Fabrication of highly conductive carbon nanotube emitters for long-life cold cathode electron beam. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
28821	Effect of chemical vapor deposition parameters on the diameter of multi-walled carbon nanotubes. International Nano Letters, 2018, 8, 297-308.	5.0	33
28822	Carbon/Metal Oxide Composites as Electrode Materials for Supercapacitors Applications. , 2018, , .		2
28823	Creation of Boron Nitride Nanotubes and Possibility for a Series of Advanced Nanocomposite Materials. , 2018, , 751-758.		1
28824	Synergistic effect of carbon nanotube and graphene nanoplatelet addition on microstructure and mechanical properties of AZ31 prepared using hot-pressing sintering. Journal of Materials Research, 2018, 33, 4261-4269.	2.6	11
28825	Influence of carbon nanotubes on steelâ€“concrete bond strength. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	34
28826	Tuning Intermolecular Interaction Between Lignin and Carbon Nanotubes in Fiber Composites â€“ A Combined Experimental and Ab-Initio Modeling Study. Journal of Renewable Materials, 2018, , .	2.2	3
28827	State-of-the-art on the production and application of carbon nanomaterials from biomass. Green Chemistry, 2018, 20, 5031-5057.	9.0	256
28828	Electron transport through double-walled carbon nanotube quantum dots. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	4
28829	Recent Progress on Microelectrodes in Neural Interfaces. Materials, 2018, 11, 1995.	2.9	86
28830	A better understanding of CNTs chemical purification and functionalization processes. , 2018, , .		3
28831	First Principle Study of Graphene-Carbon Nanotubes Hybrid (GCH) Structure for Advanced Nanoelectronics Devices. , 2018, , .		0
28834	Load transfer of nanocomposite film on aluminum substrate. Journal of Applied Biomaterials and Functional Materials, 2018, 16, 10-16.	1.6	0
28835	In situ synthesis of carbon nanotubes on glass mat using thermal chemical vapor deposition method. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 551-556.	2.1	2
28836	Modeling a Double-Halo-Doping Carbon Nanotube FET in DC and AC Operations. ECS Journal of Solid State Science and Technology, 2018, 7, M209-M216.	1.8	13
28837	Review on low velocity impact of nanocomposite in addition of nanoclays. International Journal of Engineering and Technology(UAE), 2018, 7, 170.	0.3	0
28838	Magnetic Properties of XXZ Heisenberg Antiferromagnetic and Ferrimagnetic Nanotubes. Communications in Theoretical Physics, 2018, 70, 823.	2.5	1
28839	Effect of Functionalized Carbon Nanotubes in the Detection of Benzene at Room Temperature. Journal of Nanotechnology, 2018, 2018, 1-7.	3.4	15
28840	On Molecular Descriptors of Carbon Nanocones. Biomolecules, 2018, 8, 92.	4.0	21

#	ARTICLE	IF	CITATIONS
28841	A Perspective Study of Mechanical Characterisation of Graphene for Potential Applications in Thermal Management of Microsystems. , 2018, , .		0
28842	Structure of Carbon Materials Explored by Local Transmission Electron Microscopy and Global Powder Diffraction Probes. Journal of Carbon Research, 2018, 4, 68.	2.7	63
28843	Carbon Nanomaterials: Potential Risks to Human Health and the Environment. , 2018, , 237-252.		0
28844	Shortened single-walled carbon nanotubes modification as design of nano-structural drug delivery system for pharmaceutical substances. Russian Chemical Bulletin, 2018, 67, 2098-2102.	1.5	2
28845	Efficiency of polymer/nanocarbon-based nanocomposite membranes in water treatment techniques. Journal of the Chinese Advanced Materials Society, 2018, 6, 508-526.	0.7	8
28846	Detection and Compensation of Motion Error for Nanomanipulation Platform in Scanning Electron Microscope. , 2018, , .		0
28851	Ideal intersecting nodal-ring phonons in bcc C . Physical Review B, 2018, 98, .	3.2	51
28852	Toward Understanding the Isomeric Stability of Fullerenes with Density Functional Theory and the Information-Theoretic Approach. ACS Omega, 2018, 3, 17986-17990.	3.5	48
28853	The stability of multiple carbon ad-dimer defects in single-walled carbon nanotubes as a function of its distance from the nanotube end. IOP Conference Series: Earth and Environmental Science, 2018, 186, 012049.	0.3	0
28854	Hybrid PEDOT: PSS - Silicon Solar Cell Packaging Employing Ultrathin Transparent Conductive Films. , 2018, , .		1
28855	Interfacial Interaction between Carbon Nanotube and Stoichio- and Nonstoichiometric Ceramic Surfaces by Ab -Initio Calculations. Materials Transactions, 2018, 59, 1684-1690.	1.2	3
28856	Fullerene-to-MWCNT Structural Evolution Synthesized by Arc Discharge Plasma. Journal of Carbon Research, 2018, 4, 58.	2.7	4
28857	Carbon Nanostructures as a Multi-Functional Platform for Sensing Applications. Chemosensors, 2018, 6, 60.	3.6	28
28858	Fabrication of Self-Entangled 3D Carbon Nanotube Networks from Metal-Organic Frameworks for Li-Ion Batteries. ACS Applied Nano Materials, 2018, 1, 7075-7082.	5.0	10
28861	Higher Activity Leading to Higher Disorder: A Case of Four Light Hydrocarbons to Variable Morphological Carbonaceous Materials by Pyrolysis. Journal of Physical Chemistry C, 2018, 122, 29516-29525.	3.1	16
28862	The vibration of nanobeam resting on elastic foundation using modified couple stress theory. Tehnički Glasnik, 2018, 12, 221-225.	0.7	9
28863	Carbon-Based Nanostructured Materials for Energy and Environmental Remediation Applications. Nanotechnology in the Life Sciences, 2018, , 369-392.	0.6	23
28865	The comparison of biocompatibility and osteoinductivity between multi-walled and single-walled carbon nanotube/PHBV composites. Journal of Materials Science: Materials in Medicine, 2018, 29, 189.	3.6	13

#	ARTICLE	IF	CITATIONS
28866	Measuring the Density of States of the Inner and Outer Wall of Double-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2018, 8, 448.	4.1	5
28867	Effects of the slip boundary condition on dynamics and pull-in instability of carbon nanotubes conveying fluid. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	7
28868	Advances on Sensors Based on Carbon Nanotubes. <i>Chemosensors</i> , 2018, 6, 62.	3.6	120
28869	Functionalized carbon nanotubes for adsorptive removal of water pollutants. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 236-237, 61-69.	3.5	14
28870	“Electron-Sharing” Mechanism Promotes Co@Co ₃ O ₄ /CNTs Composite as the High-Capacity Anode Material of Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43641-43649.	8.0	53
28871	Electrical and mechanical properties enhancing of PMMA and PA6 by functionalized MWCNTs addition. <i>MRS Advances</i> , 2018, 3, 3715-3721.	0.9	1
28873	A Facile Synthesis of Ca ²⁺ Hollow Nanotubes as High Electroactivity Catalysts of Oxygen Reduction Reaction Derived from Dicyandiamide. <i>ChemistrySelect</i> , 2018, 3, 12603-12612.	1.5	21
28874	Carbon as a Biomaterial. , 2018, , 83-94.		1
28875	Carbon Nanotubes and Related Nanomaterials: Critical Advances and Challenges for Synthesis toward Mainstream Commercial Applications. <i>ACS Nano</i> , 2018, 12, 11756-11784.	14.6	388
28876	Small size and rotary inertia effects on the natural frequencies of carbon nanotubes. <i>Curved and Layered Structures</i> , 2018, 5, 273-279.	1.3	7
28877	In Situ Regeneration of Alumina-Supported Cobalt-Iron Catalysts for Hydrogen Production by Catalytic Methane Decomposition. <i>Catalysts</i> , 2018, 8, 567.	3.5	9
28878	Flexural and Free Vibration Analysis of CNT-Reinforced Functionally Graded Plate. <i>Materials</i> , 2018, 11, 2387.	2.9	22
28879	Si and Ge based metallic core/shell nanowires for nano-electronic device applications. <i>Scientific Reports</i> , 2018, 8, 16885.	3.3	18
28880	A virtual laboratory for learning fullerene production and nanostructure analysis. <i>Computer Applications in Engineering Education</i> , 2019, 27, 472-484.	3.4	15
28881	Improvisation of mechanical and electrical properties of Cu by reinforcing MWCNT using modified electro-co-deposition process. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 346, 012055.	0.6	1
28882	Darcy Forchheimer aspects for CNTs nanofluid past a stretching cylinder; using Keller box method. <i>Results in Physics</i> , 2018, 11, 801-816.	4.1	22
28883	Design and analysis of electrostatic doped tunnel CNTFET for various process parameters variation. <i>Superlattices and Microstructures</i> , 2018, 124, 160-167.	3.1	27
28884	PROPERTIES OF CNT-GNR INTERFACE THROUGH DFT SIMULATION. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
28885	Nano-conductive Adhesives. , 2018, , 345-367.		1
28886	Characteristics of Carbon Nanotubes for Nanoelectronic Device Applications. , 2018, , 597-628.		0
28887	Nonlocal vibration and instability analysis of carbon nanotubes conveying fluid considering the influences of nanoflow and non-uniform velocity profile. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	14
28888	Applications and impacts of nanomaterials in food safety and quality. , 2018, , 131-161.		1
28889	Toxicological assessment of multi-walled carbon nanotubes combined with nonylphenol in male mice. PLoS ONE, 2018, 13, e0200238.	2.5	13
28890	Polysaccharide Based Hybrid Materials. Springer Briefs in Molecular Science, 2018, , .	0.1	9
28891	Carbon nanotubes modified by a paramagnetic cationic surfactant for migration of DNA and proteins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 559, 201-208.	4.7	13
28892	The role of surfactants in wastewater treatment: Impact, removal and future techniques: A critical review. Water Research, 2018, 147, 60-72.	11.3	190
28893	Modulational instability of longitudinal nonlinear wave along single wall carbon nanotubes under the effect of higher order inter-atomic interaction potential. Wave Motion, 2018, 83, 188-201.	2.0	13
28894	On the Thermal Stability of Pentagraphene. JETP Letters, 2018, 107, 713-717.	1.4	9
28895	Polysaccharides-Based Hybrids with Carbon Nanotubes. Springer Briefs in Molecular Science, 2018, , 95-114.	0.1	2
28896	Strong interaction between 5f-electron atoms (Th-Cm) and point-defect graphene. Solid State Ionics, 2018, 325, 221-227.	2.7	1
28897	The temperatures effects on treatment of heavy metals with zinc oxide nano tubes from industrial wastewater. IOP Conference Series: Materials Science and Engineering, 2018, 400, 072001.	0.6	2
28898	Stability of Halloysite, Imogolite, and Boron Nitride Nanotubes in Solvent Media. Applied Sciences (Switzerland), 2018, 8, 1068.	2.5	33
28899	The Porous Carbon Nanotube-Cellulose Papers as Current Collector and Electrode for Lithium Ion Battery and Supercapacitor Applications. , 2018, , .		0
28900	Gold Decoration and Photoresistive Response to Nitrogen Dioxide of WS ₂ Nanotubes. Chemistry - A European Journal, 2018, 24, 18952-18962.	3.3	27
28901	Influence of different hydrocarbons on the height of MWCNT carpets: Role of catalyst and hybridization state of the carbon precursor. Diamond and Related Materials, 2018, 90, 18-25.	3.9	2
28902	Understanding the mechanical properties and deformation behavior of 3-D graphene-carbon nanotube structures. Materials and Design, 2018, 160, 377-383.	7.0	17

#	ARTICLE	IF	CITATIONS
28903	Preliminary study on conjugation of formononetin with multiwalled carbon nanotubes for inducing apoptosis via ROS production in HeLa cells. Drug Design, Development and Therapy, 2018, Volume 12, 2815-2826.	4.3	17
28904	Desalination. Polymers and Polymeric Composites, 2018, , 1-34.	0.6	1
28905	Application of Atangana's fractional derivative to MHD channel flow of CMC-based-CNT's nanofluid through a porous medium. Chaos, Solitons and Fractals, 2018, 116, 79-85.	5.1	78
28906	Cyclic high temperature corrosion studies of carbon nanotubes-Cr ₂ O ₃ composite coatings on boiler steel at 900°C in molten salt environment. Anti-Corrosion Methods and Materials, 2018, 65, 646-657.	1.5	16
28907	Carbon Interconnects. , 2018, , 725-774.		2
28908	First principles study of structural and electronic properties of BNNTs. Journal of Computational Electronics, 2018, 17, 1441-1449.	2.5	19
28909	A nanoscale rolling actuator system driven by strain gradient fields. Computational Materials Science, 2018, 154, 380-392.	3.0	11
28910	Dispersing Carbon Nanotubes in Water with Amphiphiles: Dispersant Adsorption, Kinetics, and Bundle Size Distribution as Defining Factors. Journal of Physical Chemistry C, 2018, 122, 24386-24393.	3.1	19
28911	Fasting-dependent Vascular Permeability Enhancement in Brown Adipose Tissues Evidenced by Using Carbon Nanotubes as Fluorescent Probes. Scientific Reports, 2018, 8, 14446.	3.3	17
28912	Vibrational control scrutiny of physically affected SWCNT acted upon by a moving nanoparticle in the framework of nonlocal strain gradient theory. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	7
28913	Main Strategies for the Covalent Chemical Functionalization of Fullerenes and Carbon Nanotubes. , 2018, , 742-751.		1
28914	Prospective Synthesis Approaches to Emerging Materials for Supercapacitor. , 2018, , 185-208.		8
28915	Boron Nitride Nucleation Mechanism during Chemical Vapor Deposition. Journal of Physical Chemistry C, 2018, 122, 24341-24349.	3.1	15
28916	Atomistic Simulation of Mechanical Properties of Au ₃₂ Cluster Peapod Structures: Molecular Dynamics and Density Functional Theory. Journal of Engineering Mechanics - ASCE, 2018, 144, 04018110.	2.9	1
28917	Mechanical properties of hybrid SiC/CNT filled toughened epoxy nanocomposite. IOP Conference Series: Materials Science and Engineering, 2018, 290, 012005.	0.6	2
28918	Recent Status of Nanomaterial Fabrication and Their Potential Applications in Neurological Disease Management. Nanoscale Research Letters, 2018, 13, 231.	5.7	75
28919	Study on Aluminum Matrix Composites Reinforced with Singly Dispersed Carbon Nanotubes. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2018, 65, 139-144.	0.2	3
28920	Encapsulation of ferrocene in carbon nanotubes using low-temperature solution processing: influence of surface environment, diameter, and length. Monatshefte für Chemie, 2018, 149, 1963-1969.	1.8	1

#	ARTICLE	IF	CITATIONS
28921	Development, Challenges, and Prospects of Carbon-Based Electrode for Lithium-Air Batteries. , 2018, , 115-152.		12
28922	Mechanical and Tribological Behavior of Multiwalled Carbon Nanotubes-Reinforced AA7075 Composites Prepared by Powder Metallurgy and Hot Extrusion. Journal of Materials Engineering and Performance, 2018, 27, 5675-5688.	2.5	17
28923	Tribological behaviors of Gra./Cu and CNTs/Cu composites with and without electric current. MATEC Web of Conferences, 2018, 175, 01031.	0.2	0
28924	The Reduction Temperature Effect of Feâ€Co/MgO Catalyst on Characteristics of Multi-Walled Carbon Nanotubes. Catalysts, 2018, 8, 361.	3.5	4
28925	Probing the adsorption behavior of oxazole and isoxazole heterocyclic compounds onto B₁₂N₁₂ nanocluster surface in gas and aqueous mediums through DFT calculations. Applied Organometallic Chemistry, 2018, 32, e4543.	3.5	5
28926	Carbon Nanotubes: Synthesis and Characterization. , 2018, , 575-596.		1
28927	A Comparative Study of the Thermoplastic Polyurethane/Carbon Nanotube and Natural Rubber/Carbon Nanotube Composites According to Their Mechanical and Electrical Properties. Fibers and Polymers, 2018, 19, 1948-1955.	2.1	19
28928	Novel approach for synthesizing different shapes of carbon nanotubes from rice straw residue. Journal of Environmental Chemical Engineering, 2018, 6, 6263-6274.	6.7	46
28929	Current control of systems with a Peierls distortion by magnetic field. Physical Review B, 2018, 98, .	3.2	1
28930	Buckling of spinning functionally graded graphene reinforced porous nanocomposite cylindrical shells: An analytical study. Aerospace Science and Technology, 2018, 82-83, 466-478.	4.8	137
28931	Defects on carbons for electrocatalytic oxygen reduction. Chemical Society Reviews, 2018, 47, 7628-7658.	38.1	432
28932	Introductory Chapter: Carbon Nanotubes and Their Applications. , 2018, , .		2
28933	Numerical study on magnetohydrodynamic CNTs-water nanofluids as a micropolar dusty fluid influenced by non-linear thermal radiation and joule heating effect. Powder Technology, 2018, 340, 389-399.	4.2	101
28936	Synthesis and Characterization of Multi-Walled Carbon Nanotube/Graphene Nanoplatelet Hybrid Film for Flexible Strain Sensors. Nanomaterials, 2018, 8, 786.	4.1	45
28938	The electromagnetic properties and microwave absorbing performance of titanium carbide attached single-walled carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2018, 29, 20260-20270.	2.2	5
28939	The adsorption of bromomethane onto the exterior surface of aluminum nitride, boron nitride, carbon, and silicon carbide nanotubes: A PBC-DFT, NBO, and QTAIM study. Computational and Theoretical Chemistry, 2018, 1144, 26-37.	2.5	56
28940	Debundling, Dispersion, and Stability of Multiwalled Carbon Nanotubes Driven by Molecularly Designed Electron Acceptors. Langmuir, 2018, 34, 12137-12144.	3.5	7
28941	Natural Laterite as a Catalyst Source for the Growth of Carbon Nanotubes and Nanospheres. ACS Applied Nano Materials, 2018, 1, 6046-6054.	5.0	10

#	ARTICLE	IF	CITATIONS
28942	Carbon Nanotube-Based Organic Thermoelectric Materials for Energy Harvesting. <i>Polymers</i> , 2018, 10, 1196.	4.5	68
28943	Nonlocal Analysis of Natural Vibrations of Carbon Nanotubes. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 6087-6096.	2.5	9
28944	Modeling double-helix carbon chains inside single-walled carbon nanotubes: Stable structures and XRD analysis. <i>Chinese Journal of Physics</i> , 2018, 56, 2646-2658.	3.9	1
28945	Dilute magnetic semiconductor and half-metal behaviors in C-codoped BeO nanotubes: A first principles simulations. <i>Chinese Journal of Physics</i> , 2018, 56, 3039-3045.	3.9	12
28946	Effect of carbon nano-tubes and dispersions of SiC and Al ₂ O ₃ on the mechanical and physical properties of copper-nickel alloy. <i>Heliyon</i> , 2018, 4, e00876.	3.2	8
28947	Numerical Analysis of the Structural Stability of Ideal (Defect-Free) and Structurally and Morphologically Degenerated Homogeneous, Linearly- and Angle-Adjoined Nanotubes and Cylindrical Fullerenes Under Axial Loading Using Finite Element Method. <i>International Journal of Applied Mechanics</i> , 2018, 10, 1850100.	2.2	1
28948	Molybdenum-Based Carbon Hybrid Materials to Enhance the Hydrogen Evolution Reaction. <i>Chemistry - A European Journal</i> , 2018, 24, 18158-18179.	3.3	46
28949	Preparation of stimulus-responsive, polyfluorene-wrapped carbon nanotubes via palladium cross coupling. <i>Journal of Polymer Science Part A</i> , 2018, 56, 2723-2729.	2.3	6
28950	Thermomechanics of Beam-Like Nanostructures. , 2018, , 179-231.		0
28951	Preparation and Characterization of Mechanical Properties of Hydroxyapatite/Carbon Nanotube Laminated Ceramic Composites Consolidated by Spark Plasma Sintering. <i>Materials Science Forum</i> , 0, 913, 466-472.	0.3	1
28952	The effect of Mg(NO ₃) ₂ addition on the formation of AlN nanowire by direct nitridation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20688-20694.	2.2	2
28953	Evaluation of Different Oxidizing Agents on Effective Covalent Functionalization of Multiwalled Carbon Nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 846-850.	2.1	18
28954	Application of Nanomaterials in Personal Respiratory Protection Equipment: A Literature Review. <i>Safety</i> , 2018, 4, 47.	1.7	12
28955	Nanocomposites Based on Polyelectrolytes-Multiwalled Carbon Nanotubes Coated with a Silica Shell. <i>Materials Research</i> , 2018, 21, .	1.3	4
28956	Pillar[5]arene-Decorated Single-Walled Carbon Nanotubes. <i>ACS Omega</i> , 2018, 3, 13935-13943.	3.5	14
28957	Evaluation of Thin Film Surface Shape as a Function of Dispersant Concentration in Carbon Nanotube Thin Film Fabrication via the Electrospray Method. <i>E-Journal of Surface Science and Nanotechnology</i> , 2018, 16, 302-305.	0.4	0
28958	Morphological Phase Diagram of Gadolinium Iodide Encapsulated in Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24967-24976.	3.1	6
28959	Micelle-Mediated Self-Assembly of Microfibers Bridging Millimeter-Scale Gap To Form Three-Dimensional-Ordered Polysaccharide Membranes. <i>Langmuir</i> , 2018, 34, 13965-13970.	3.5	11

#	ARTICLE	IF	CITATIONS
28960	Oxygen Evolution Reaction on Nitrogen-Doped Defective Carbon Nanotubes and Graphene. Journal of Physical Chemistry C, 2018, 122, 25882-25892.	3.1	66
28961	An Immunologically Modified Nanosystem Based on Noncovalent Binding Between Single-Walled Carbon Nanotubes and Glycated Chitosan. Technology in Cancer Research and Treatment, 2018, 17, 153303381880231.	1.9	3
28962	Electrodeposited zinc composite coatings with embedded carbon nanotubes “ advanced composite materials for better corrosion protection. Transactions of the Institute of Metal Finishing, 2018, 96, 324-331.	1.3	8
28963	Electrochemical Measurements of Multiwalled Carbon Nanotubes under Different Plasma Treatments. Materials, 2018, 11, 1902.	2.9	4
28965	Modified rule of mixtures and Halpin-Tsai model for prediction of tensile strength of micron-sized reinforced composites and Young’s modulus of multiscale reinforced composites for direct extrusion fabrication. Advances in Mechanical Engineering, 2018, 10, 168781401878528.	1.6	41
28966	Synthesis And Characterization Of Bamboo-like Multi-walled Carbon Nanotubes By Alcohothermal Process. IOP Conference Series: Earth and Environmental Science, 2018, 186, 012058.	0.3	1
28967	Boron nitride nanotubes: synthesis and applications. Nano Convergence, 2018, 5, 17.	12.1	137
28968	Inducing a Nanotwinned Grain Structure within the TiO ₂ Nanotubes Provides Enhanced Electron Transport and DSSC Efficiencies >10%. Advanced Energy Materials, 2018, 8, 1800981.	19.5	42
28969	Hyperspectral Imaging Microscopy of Acetaminophen Adsorbed on Multiwalled Carbon Nanotubes. Langmuir, 2018, 34, 13210-13218.	3.5	9
28970	Chiral Lewis acids integrated with single-walled carbon nanotubes for asymmetric catalysis in water. Science, 2018, 362, 311-315.	12.6	37
28971	Accumulation of Electrolytic Hydrogen by Carbon Nanotubes. Polymer Science - Series D, 2018, 11, 191-196.	0.6	0
28972	One-pot synthesis of carbon nanotube/zinc sulfide heterostructures: Characterization and effect of electrostatic interaction on the optical properties. Optical Materials, 2018, 86, 398-407.	3.6	7
28973	A parametric study to unravel the alignment mechanism of carbon nanotubes during its plasma-assisted growth. Physics of Plasmas, 2018, 25, .	1.9	4
28974	Electronic Properties of Air-Sensitive Nanomaterials Probed with Microwave Impedance Measurements. Physica Status Solidi (B): Basic Research, 2018, 255, 1800250.	1.5	2
28975	Hydrothermal Synthesis of Hybrid Nanoparticles for Future Directions of Renewal Energy Applications. Nanotechnology in the Life Sciences, 2018, , 319-339.	0.6	1
28976	Darcy-Forchheimer flow of radiative carbon nanotubes with microstructure and inertial characteristics in the rotating frame. Case Studies in Thermal Engineering, 2018, 12, 823-832.	5.7	62
28977	First-principles insights on the electronic and optical properties of ZnO@CNT core@shell nanostructure. Scientific Reports, 2018, 8, 15464.	3.3	14
28978	Decoupled trends for electrical and thermal conductivity in phase-confined CNT co-continuous blends. Nanocomposites, 2018, 4, 80-86.	4.2	5

#	ARTICLE	IF	CITATIONS
28979	Chalcogenides and Carbon Nanostructures: Great Applications for PEM Fuel Cells. , 0, , .		2
28980	Infrared and Raman active vibrational modes in MoS ₂ -based nanotubes: Symmetry analysis and first-principles calculations. Journal of Computational Chemistry, 2018, 39, 2163-2172.	3.3	8
28981	Direct growth of vertically aligned carbon nanotubes on stainless steel by plasma enhanced chemical vapor deposition. Diamond and Related Materials, 2018, 90, 144-153.	3.9	18
28982	Facile synthesis of novel porous carbon based solid acid with microtube structure and its catalytic activities for biodiesel synthesis. Journal of Environmental Chemical Engineering, 2018, 6, 6633-6640.	6.7	12
28983	Chemists without Borders. Isis, 2018, 109, 597-607.	0.5	5
28984	Influence of CNT Addition to the Frost Resistance of Concrete. Key Engineering Materials, 0, 760, 30-34.	0.4	1
28985	Carbon Nanotube Assisted Enhancement of the Magneto-Optical Kerr Signal in Nickel Thin Films. Journal of Electronic Materials, 2018, 47, 7069-7074.	2.2	2
28986	Development of bonded joints using novel CNT doped adhesive films: Mechanical and electrical properties. International Journal of Adhesion and Adhesives, 2018, 86, 98-104.	2.9	18
28987	Tailoring Highly Flexible Hybrid Supercapacitors Developed by Graphite Nanoplatelets-Based Film: Toward Integrated Wearable Energy Platform Building Blocks. ACS Applied Energy Materials, 0, , .	5.1	9
28988	The spin filtering effect and negative differential behavior of the graphene-pentalene-graphene molecular junction: a theoretical analysis. Journal of Molecular Modeling, 2018, 24, 278.	1.8	3
28989	Low-temperature synthesis of manganese oxide-carbon nanotube-enhanced microwave-absorbing nanocomposites. Journal of Materials Science, 2018, 53, 16288-16302.	3.7	32
28990	Exploring the reinforcing effect of TiC and CNT in dual-reinforced Al-matrix composites. Diamond and Related Materials, 2018, 89, 180-189.	3.9	25
28991	Nonlinear vibration and dynamic buckling analyses of sandwich functionally graded porous plate with graphene platelet reinforcement resting on Winkler-Pasternak elastic foundation. International Journal of Mechanical Sciences, 2018, 148, 596-610.	6.7	236
28992	Optical, morphological and electrical analysis of heterostructures PSi/c-Si and SiO ₂ /MWCNTs/PSi/c-Si. Sensors and Actuators A: Physical, 2018, 282, 55-62.	4.1	4
28995	In Situ TEM: Theory and Applications. Springer Tracts in Modern Physics, 2018, , 381-477.	0.1	1
28996	Effect of Using Carbon Nanotubes on ILSS of Glass Fiber-Reinforced Polymer Laminates. Transactions of the Indian Institute of Metals, 2018, 71, 3029-3036.	1.5	4
28997	6.10 Electrically Conductive Nanocomposites. , 2018, , 248-314.		3
28998	Free-radical reaction synthesis of carbon using nitrogenous organic molecules and CCl ₄ . New Journal of Chemistry, 2018, 42, 17407-17411.	2.8	1

#	ARTICLE	IF	CITATIONS
28999	Computational discovery of a new rhombohedral diamond phase. Physical Review B, 2018, 98, .	3.2	22
29000	Carbon Nanoelectrodes for the Electrochemical Detection of Neurotransmitters. International Journal of Electrochemistry, 2018, 2018, 1-19.	2.4	31
29001	Polypropylene nanocomposites with electrical and magnetic properties. Journal of Applied Polymer Science, 2018, 135, 46820.	2.6	6
29002	Nanofibrillar polymerâ€“polymer and single polymer composites via the â€œconverting instead of addingâ€• concept â€“ Examples of true polymer nanocomposite. Advanced Industrial and Engineering Polymer Research, 2018, 1, 40-47.	4.7	9
29003	Fabrications of novel solid phase microextraction fiber coatings based on new materials for high enrichment capability. TrAC - Trends in Analytical Chemistry, 2018, 108, 135-153.	11.4	131
29004	Potential Application of Photo-thermal Volumetric Ignition of Carbon Nanotubes in Internal Combustion Engines. , 0, , .		0
29005	Electrical impedance spectroscopy of multiwall carbon nanotubeâ€“PDMS composites under compression. Materials Research Express, 2018, 5, 105002.	1.6	12
29006	Covalent Functionalization of Single-Walled Carbon Nanotubes Through the Fluorination Stage for Integration into an Epoxy Composite. Polymer Science - Series B, 2018, 60, 516-529.	0.8	5
29007	Carbon Nanotube Synthesis and Dispersion Using Arc Discharge in Foam Made with a Surfactant. E-Journal of Surface Science and Nanotechnology, 2018, 16, 382-386.	0.4	2
29009	Superdense t12 carbon: Unexpectedly high elastic moduli but low ideal strength. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3125-3130.	2.1	8
29010	Multiwall MoS2 tubes as optical resonators. Applied Physics Letters, 2018, 113, .	3.3	30
29011	High-order harmonic generation in carbon-containing nanoparticles. , 2018, , 267-308.		0
29012	Thermal Conductivity of Carbon Nanotubes and Assemblies. Advances in Heat Transfer, 2018, 50, 43-122.	0.9	13
29013	Mixed mode $\bar{D}^{\dagger}/\bar{D}^{\dagger}\bar{D}^{\dagger}$ fracture prediction of blunt V-notched nanocomposite specimens with nonlinear behavior by means of the Equivalent Material Concept. Composites Part B: Engineering, 2018, 154, 363-373.	12.0	15
29014	Hot corrosion behaviour of carbon nanotubes reinforced chromium oxide composite coatings at elevated temperature. Materials Research Express, 2018, 5, 116408.	1.6	11
29015	Fabrication, electrical characterization and mechanical flexibility test of back gated carbon nanotube thin film transistors on polyimide substrate. Materials Research Express, 2018, 5, 126304.	1.6	1
29016	High performance quasi-solid-state supercapacitors with peanut-shell-derived porous carbon. Journal of Power Sources, 2018, 402, 133-146.	7.8	99
29017	Effect of electric field on the electrical conductivity of defected carbon nanotube: Multifractal properties of the wavefunctions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 3274-3280.	2.1	7

#	ARTICLE	IF	CITATIONS
29018	Exploration of nano carbons in relevance to plant systems. New Journal of Chemistry, 2018, 42, 16411-16427.	2.8	38
29019	Review of In Vitro Toxicity of Nanoparticles and Nanorodsâ€”Part 2. , 0, , .		0
29020	Effects of doping on photoelectrical properties of one-dimensional $\hat{\pm}$ -Si ₃ N ₄ nanomaterials: A first-principles study. Physica B: Condensed Matter, 2018, 550, 32-38.	2.7	3
29021	An analytical method for free vibration of multi cracked and stepped nonlocal nanobeams based on wave approach. Results in Physics, 2018, 11, 166-181.	4.1	16
29022	A Flexible Tactile Sensor With Good Consistency. IEEE Access, 2018, 6, 51647-51654.	4.2	4
29023	4â€œaminobenzenesulphonateâ€œassisted enhanced hydrophily of carbon nanotubes and simultaneous uniform dispersion of PtRu nanoparticles. Micro and Nano Letters, 2018, 13, 728-731.	1.3	1
29024	Aligned van der Waals Coupled Growth of Carbon Nanotubes to Hexagonal Boron Nitride. Advanced Materials Interfaces, 2018, 5, 1800793.	3.7	0
29025	Conducting Polymers and Composites. Polymers and Polymeric Composites, 2018, , 1-54.	0.6	1
29026	Broadband radar absorbing sandwich structures with enhanced mechanical properties. Results in Physics, 2018, 11, 253-258.	4.1	13
29027	Chirality-sorted carbon nanotube films as high capacity electrode materials. RSC Advances, 2018, 8, 30600-30609.	3.6	9
29028	Comparison of vibrational and thermodynamic properties of MoS ₂ and WS ₂ nanotubes: first principles study. Materials Research Express, 2018, 5, 115028.	1.6	10
29029	Higher Ordered Structure of Cellulose Predicted by Computational Chemistry. Journal of Fiber Science and Technology, 2018, 74, 171-176.	0.4	0
29030	Preparation of Nickel Nanoparticles by Direct Current Arc Discharge Method and Their Catalytic Application in Hybrid Na-Air Battery. Nanomaterials, 2018, 8, 684.	4.1	16
29031	Direct Chirality Recognition of Singleâ€œCrystalline and Singleâ€œWalled Transition Metal Oxide Nanotubes on Carbon Nanotube Templates. Advanced Materials, 2018, 30, e1803368.	21.0	14
29032	Dispersion and stability study of carbon nanotubes in pH and temperature responsive polymeric matrix: Experiment and dispersion-corrected DFT study. Materials Today Communications, 2018, 17, 187-193.	1.9	6
29033	Multiscale modelling of thermal conductivity of carbon nanotube paraffin nanocomposites. Materials Research Express, 2018, 5, 115026.	1.6	5
29034	Vibration Analysis of Nano Beam Using Differential Transform Method Including Thermal Effect. Journal of Nano Research, 0, 54, 1-14.	0.8	40
29035	Synthesis and Functionalization of Nanomaterials. Springer Series in Materials Science, 2018, , 15-55.	0.6	12

#	ARTICLE	IF	CITATIONS
29037	Prediction of Elastic Constants of the Fuzzy Fibre Reinforced Polymer Using Computational Micromechanics. IOP Conference Series: Materials Science and Engineering, 2018, 362, 012006.	0.6	1
29038	Thermophysical Analysis of Water Based (Cu-Al ₂ O ₃) Hybrid Nanofluid in an Asymmetric Channel with Dilating/Squeezing Walls Considering Different Shapes of Nanoparticles. Applied Sciences (Switzerland), 2018, 8, 1549.	2.5	62
29039	An Analytical Study of Buckling Behavior of Nanocomposite Beams. , 0, , .		1
29040	Phonon Thermal Transport in Silicon Nanowires and Its Surface Effects. SpringerBriefs in Physics, 2018, , 53-66.	0.7	0
29041	Electrodeposition and Properties of Composites Consisting of Carbon Nanotubes and Copper. Journal of Materials Engineering and Performance, 2018, 27, 5511-5517.	2.5	11
29042	Synthesis and characterization of multiwalled carbon nanotubes functionalized with chlorophyll-derivatives compounds extracted from Hibiscus tiliaceus. Diamond and Related Materials, 2018, 89, 151-162.	3.9	13
29043	Role and significance of thermal loading on the performance of carbon nanotube-based mass sensors. Materials and Design, 2018, 160, 229-250.	7.0	13
29044	Multiscale modeling of thermal conductivity of carbon nanotube epoxy nanocomposites. Physica B: Condensed Matter, 2018, 550, 39-46.	2.7	20
29045	Alkali endohedrals of C ₂₄ (BN) ₁₂ heterofullerenes: A DFT aqueous phase study. Heteroatom Chemistry, 2018, 29, .	0.7	2
29046	Multi-Walled Carbon Nanotube Coating on Alkali Treated TiO ₂ Nanotubes Surface for Improvement of Biocompatibility. Coatings, 2018, 8, 159.	2.6	7
29047	Preparation of long linear carbon chain inside multi-walled carbon nanotubes by cooling enhanced hydrogen arc discharge method. Nanoscale, 2018, 10, 17824-17833.	5.6	30
29048	Nanomaterials-Based Electrochemical Sensors for In Vitro and In Vivo Analyses of Neurotransmitters. Applied Sciences (Switzerland), 2018, 8, 1504.	2.5	38
29049	DFT study of Ni, Cu, Cd and Ag heavy metal atom adsorption onto the surface of the zinc-oxide nanotube and zinc-oxide graphene-like structure. Materials Chemistry and Physics, 2018, 220, 366-373.	4.0	74
29050	The role of the solvent and the size of the nanotube in the non-covalent dispersion of carbon nanotubes with short organic oligomers – a DFT study. RSC Advances, 2018, 8, 30520-30529.	3.6	11
29051	Recent Advances in Nanocomposites Based on Aliphatic Polyesters: Design, Synthesis, and Applications in Regenerative Medicine. Applied Sciences (Switzerland), 2018, 8, 1452.	2.5	21
29052	Nanomechanics model for properties of carbon nanotubes under a thermal environment. Acta Mechanica, 2018, 229, 4521-4538.	2.1	10
29053	Large-scale assembly of single-walled carbon nanotubes based on aqueous solution. Integrated Ferroelectrics, 2018, 190, 39-47.	0.7	21
29054	Single Wall Carbon Nanotubes Synthesis through Methane Chemical Vapor Deposition over MCM-41-Co Catalysts: Variables Optimization. Journal of Carbon Research, 2018, 4, 37.	2.7	2

#	ARTICLE	IF	CITATIONS
29055	From a Chiral Molecule to Blue Phases. , 2018, , .		0
29056	Vibrational Behavior of Single-Walled Carbon Nanotubes Based on Donnell Shell Theory Using Wave Propagation Approach. , 0, , .		10
29057	MEMS Devices for Miniaturized Gas Chromatography. , 0, , .		4
29058	Structural stability and buckling analysis of a series of carbon nanotorus using molecular dynamics simulations. Journal of Molecular Modeling, 2018, 24, 263.	1.8	1
29059	Effects of proton irradiation on structures and photo-catalytic property of nano-TiO ₂ /CNTs films. Radiation Physics and Chemistry, 2018, 153, 79-85.	2.8	4
29060	AN EFFICIENT ALGORITHM FOR THE ANALYSIS AND DESIGN OF CARBON NANOTUBE PHOTONIC CRYSTALS. Progress in Electromagnetics Research C, 2018, 83, 83-96.	0.9	4
29061	Imperfections in carbon nanotubes structure and their impact on the basic mechanical properties. IOP Conference Series: Materials Science and Engineering, 2018, 378, 012006.	0.6	1
29062	Limit Cycle Oscillation in Digitally Controlled DC Microgrid. , 2018, , .		0
29063	Improved Sampling Efficiency in Particle Filter for Systems with Multi-Step Randomly Delayed Measurements. , 2018, , .		0
29064	Investigation of flexural and impact strength of carbon nanotube reinforced AA7075 metal matrix. International Journal of Engineering and Technology(UAE), 2018, 7, 764.	0.3	3
29065	The Effect of Water Temperature on Diameter of Carbon Nanotubes Synthesized Using Underwater Arc Discharge. Vacuum and Surface Science, 2018, 61, 157-161.	0.1	0
29066	Preparation of porous carbon nanotube/carbon composite spheres and their adsorption properties. Carbon, 2018, 137, 493-501.	10.3	33
29067	Magnetic properties of iron nanowire encapsulated in carbon nanotubes doped with copper. Journal of Magnetism and Magnetic Materials, 2018, 465, 114-121.	2.3	29
29068	Structural changes in liquid crystals doped with functionalized carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 103, 53-59.	2.7	15
29069	Assessing carbon or tungstates coverage of ZrO ₂ nanoparticles supported on MWCNT via NO _x -TPD. Nano Structures Nano Objects, 2018, 16, 110-119.	3.5	3
29070	Microstructure and mechanical properties of electro-brush plated Fe/MWCNTs composite coatings. Surface and Coatings Technology, 2018, 348, 97-103.	4.8	15
29071	Bi-Directional Functionally Graded Nanotubes: Fluid Conveying Dynamics. International Journal of Applied Mechanics, 2018, 10, 1850041.	2.2	39
29072	Synthesis and characterizations of Cu ₂ ZnSnS ₄ nanoparticles/carbon nanotube composite as an efficient absorber material for solar cell application. AIP Conference Proceedings, 2018, , .	0.4	3

#	ARTICLE	IF	CITATIONS
29073	Selective synthesis of turbostratic polyhedral carbon nano-onions by arc discharge in water. Nanotechnology, 2018, 29, 325601.	2.6	13
29074	Flatlands in the Holy Land: The Evolution of Layered Materials Research in Israel. Advanced Materials, 2018, 30, e1706581.	21.0	7
29075	Emerging Carbonâ€Nanofiber Aerogels: Chemosynthesis versus Biosynthesis. Angewandte Chemie - International Edition, 2018, 57, 15646-15662.	13.8	92
29076	An Introduction to Nanomaterials. Environmental Chemistry for A Sustainable World, 2018, , 1-58.	0.5	7
29077	Tensile fatigue behavior of single carbon nanotube yarns. Journal of Materials Science, 2018, 53, 11426-11432.	3.7	10
29078	Mechanical properties of Portland cement mortar containing multi-walled carbon nanotubes at elevated temperatures. Construction and Building Materials, 2018, 176, 482-489.	7.2	79
29079	Regular helix carbon rods with nitrogen-doped characteristic. Materials Letters, 2018, 227, 229-232.	2.6	2
29080	Nanobiosensors for Detection of Micropollutants. Environmental Chemistry for A Sustainable World, 2018, , 125-158.	0.5	8
29081	Synergistic effects of hybrid MWCNT/nanosilica on the tensile and tribological properties of woven carbon fabric epoxy composites. Theoretical and Applied Fracture Mechanics, 2018, 96, 272-284.	4.7	78
29082	Kohlenstoffnanofaserâ€Aerogele: Vergleich von Chemosynthese und Biosynthese. Angewandte Chemie, 2018, 130, 15872-15889.	2.0	8
29083	Fundamentals and scopes of doped carbon nanotubes towards energy and biosensing applications. Materials Today Energy, 2018, 9, 154-186.	4.7	167
29084	Oligomer Hydrate Crystallization Improves Carbon Nanotube Memory. Chemistry of Materials, 2018, 30, 3813-3818.	6.7	6
29085	High- <i>k</i> Gate Dielectrics for Emerging Flexible and Stretchable Electronics. Chemical Reviews, 2018, 118, 5690-5754.	47.7	530
29086	Exploring the Confinement Effect of Carbon Nanotubes on the Electrochemical Properties of Prussian Blue Nanoparticles. Langmuir, 2018, 34, 6983-6990.	3.5	14
29087	Photodegradation of pharmaceuticals and personal care products in water treatment using carbonaceous-TiO ₂ composites: A critical review of recent literature. Water Research, 2018, 142, 26-45.	11.3	299
29088	Electronic transport across a junction between armchair graphene nanotube and zigzag nanoribbon. European Physical Journal B, 2018, 91, 1.	1.5	8
29089	Fabrication of Dense Composite Ceramics Utilizing Pulsed Electric Current and Pressure. Zairyo/Journal of the Society of Materials Science, Japan, 2018, 67, 539-544.	0.2	1
29090	Oxygen Evolution Reaction Kinetic Barriers on Nitrogen-Doped Carbon Nanotubes. Journal of Physical Chemistry C, 2018, 122, 12892-12899.	3.1	24

#	ARTICLE	IF	CITATIONS
29091	Zero-Dimensional Carbon Allotropesâ€”Carbon Nanoparticles Versus Fullerenes in Functionalization by Electronic Polymers for Different Optical and Redox Properties. ACS Omega, 2018, 3, 5685-5691.	3.5	18
29092	Electrical conductivity and Vickers hardness enhancement by pristine and functionalized MWCNTs incorporation in polycaprolactam matrix. Journal of Materials Science: Materials in Electronics, 2018, 29, 15776-15783.	2.2	4
29093	A novel hybrid sp-sp ² metallic carbon allotrope. Frontiers of Physics, 2018, 13, 1.	5.0	36
29094	Comparative Study of Cantilever Carbon Nanotube with Carbon Nanotube System. Springer Proceedings in Physics, 2018, , 317-329.	0.2	0
29095	A novel approach to align carbon nanotubes via water-assisted shear stretching. Composites Science and Technology, 2018, 164, 1-7.	7.8	13
29096	Progress in polyketone materials: blends and composites. Polymer International, 2018, 67, 1478-1487.	3.1	26
29098	Principles, Methods, Formation Mechanisms, and Structures of Nanomaterials Prepared via Gas-Phase Processes. , 2018, , 19-70.		1
29099	Investigation of Electro-Thermal property for Cu-MWCNT composite coating on anodized 6061 aluminium alloy. Applied Surface Science, 2018, 454, 138-147.	6.1	28
29100	Visible Light Induced Cationic Polymerization of Epoxides by Using Multiwalled Carbon Nanotubes. Macromolecular Rapid Communications, 2018, 39, e1800250.	3.9	34
29101	History and Structure of Carbon Fibers. Springer Series in Materials Science, 2018, , 1-30.	0.6	2
29102	Vibrational characteristics of embedded microbeams lying on a two-parameter elastic foundation in thermal environment. Composites Part B: Engineering, 2018, 150, 68-77.	12.0	53
29103	Hybrid laser ablation and chemical reduction to synthesize Ni/Pd nanoparticles decorated multi-wall carbon nanotubes for effective enhancement of hydrogen storage. International Journal of Hydrogen Energy, 2018, 43, 12211-12221.	7.1	24
29104	Development of pyrene-stacked carbon nanotube-based hybrid: measurement of NO ₃ ⁻ ions using fluorescence spectroscopy. Analyst, The, 2018, 143, 3343-3352.	3.5	12
29105	Preparation of novel multi-walled carbon nanotubes nanocomposite adsorbent via RAFT technique for the adsorption of toxic copper ions. Science of the Total Environment, 2018, 640-641, 303-314.	8.0	37
29106	Reusable N-Heterocyclic Carbene Complex Catalysts and Beyond: A Perspective on Recycling Strategies. Chemical Reviews, 2018, 118, 9843-9929.	47.7	169
29107	Influence of low temperature on deformation changes in the structure of the polyimide film PMA. Molecular Crystals and Liquid Crystals, 2018, 661, 20-24.	0.9	4
29108	Mechanical buckling analysis of functionally graded power-based and carbon nanotubes-reinforced composite plates and curved panels. Composites Part B: Engineering, 2018, 150, 165-183.	12.0	103
29109	Sulfur dioxide gas-sensitive materials based on zeolitic imidazolate framework-derived carbon nanotubes. Journal of Materials Chemistry A, 2018, 6, 12115-12124.	10.3	45

#	ARTICLE	IF	CITATIONS
29110	Nanostructured Carbon Materials: Synthesis and Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2018, , 177-191.	0.3	0
29111	A carbon nanotube based NTC thermistor using additive print manufacturing processes. Sensors and Actuators A: Physical, 2018, 279, 1-9.	4.1	108
29112	Prediction of mechanical properties of MWCNT-reinforced composites using the RVE model. Modern Physics Letters B, 2018, 32, 1850196.	1.9	3
29113	Nanoceramic matrix composites. , 2018, , 27-48.		10
29114	\hat{I}^2 -armchair antimony nanotube: Structure, stability and electronic properties. AIP Conference Proceedings, 2018, , .	0.4	0
29115	Additive-free carbon nanotube dispersions, pastes, gels, and doughs in cresols. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5703-5708.	7.1	46
29116	Synthesis of nanoparticles in carbon arc: measurements and modeling. MRS Communications, 2018, 8, 842-849.	1.8	21
29117	Enhanced amperometric detection of paracetamol by immobilized cobalt ion on functionalized MWCNTs - Chitosan thin film. Analytical Biochemistry, 2018, 551, 29-36.	2.4	40
29118	Morphology of Poly(styrene- <i>co</i> -butadiene) Random Copolymer Thin Films and Nanostructures on a Graphite Surface. Langmuir, 2018, 34, 7784-7796.	3.5	5
29119	Study of nano mechanical properties polydimethylsiloxane (PDMS)/MWCNT composites. AIP Conference Proceedings, 2018, , .	0.4	3
29120	Combined effects of molecular geometry and nanoconfinement on liquid flows through carbon nanotubes. Physical Review E, 2018, 97, 053109.	2.1	5
29121	Tuning the Optical Properties of Zinc Sulfide Nanotube. IEEE Nanotechnology Magazine, 2018, 17, 807-813.	2.0	8
29122	Electrochemical Detection of Interaction between Dacarbazine and Nucleic Acids in Comparison to Agarose Gel Electrophoresis. Electroanalysis, 2018, 30, 1566-1574.	2.9	14
29123	Solar salt doped by MWCNTs as a promising high thermal conductivity material for CSP. RSC Advances, 2018, 8, 19251-19260.	3.6	26
29124	A facile and efficient strategy for the functionalization of multiple-walled carbon nanotubes using well-defined polypropylene-grafted polystyrene. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	13
29125	Application of featured microwave-metal discharge for the fabrication of well-graphitized carbon-encapsulated Fe nanoparticles for enhancing microwave absorption efficiency. Fuel, 2018, 233, 669-676.	6.4	16
29126	Mild oxidation-production of subnanometer-sized nanowindows of single wall carbon nanohorn. Journal of Colloid and Interface Science, 2018, 529, 332-336.	9.4	5
29127	Comparative study on transport properties and scattering mechanism of group III doped SiC nanotube. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2484-2488.	2.1	20

#	ARTICLE	IF	CITATIONS
29128	Forced vibration analysis of nano-composite rotating pressurized microbeam reinforced by CNTs based on MCST with temperature-variable material properties. Theoretical and Applied Mechanics Letters, 2018, 8, 97-108.	2.8	17
29129	The Effect of Multi Wall Carbon Nanotubes on Some Physical Properties of Epoxy Matrix. Journal of Physics: Conference Series, 2018, 1003, 012102.	0.4	4
29130	Core/Shell Structure of TiO ₂ -Coated MWCNTs for Thermal Protection for High-Temperature Processing of Metal Matrix Composites. Advances in Materials Science and Engineering, 2018, 2018, 1-11.	1.8	11
29131	Recent Advances in Graphene Quantum Dots: Synthesis, Properties, and Applications. Small Methods, 2018, 2, 1800050.	8.6	166
29134	Titanium nanotubes as carriers of osteogenic growth factors and antibacterial drugs for applications in dental implantology. , 2018, , 125-136.		1
29135	Application fields overview of carbon nanotubes in electronics and propulsion: CNTs photo-ignition by white power LEDs for improved fuels combustion. , 2018, , .		0
29136	Carbon nanotube-based environmental technologies: the adopted properties, primary mechanisms, and challenges. Reviews in Environmental Science and Biotechnology, 2018, 17, 571-590.	8.1	48
29137	Silicon Carbide Nanomaterials. , 2018, , 213-253.		6
29138	The effect of clay dispersion on polypropylene nanocomposites: Physico-mechanical, thermal, morphological, and optical properties. , 2018, , 201-257.		3
29140	Surface Modification of Carbon-Based Nanomaterials for Polymer Nanocomposites. , 2018, , 27-56.		3
29141	Biosensors for determination of D and L- amino acids: A review. Biosensors and Bioelectronics, 2018, 117, 373-384.	10.1	76
29142	Graphene and Graphene Oxide for Fuel Cell Technology. Industrial & Engineering Chemistry Research, 2018, 57, 9333-9350.	3.7	134
29143	Effect of temperature on elastic properties of CNT-polyethylene nanocomposite and its interface using MD simulations. Journal of Molecular Modeling, 2018, 24, 178.	1.8	29
29144	Electrical and Electromagnetic Properties of CNT/Polymer Composites. , 2018, , 233-258.		4
29145	Atomistic Simulations of Carbon Nanotubes: Stiffness, Strength, and Toughness of Locally Buckled CNTs. , 2018, , 259-290.		0
29146	Three-dimensional convective flow of CNTs nanofluids with heat generation/absorption effect: A numerical study. Computer Methods in Applied Mechanics and Engineering, 2018, 329, 40-54.	6.6	47
29147	Molecular dynamics simulations of the wetting behavior of carbon nanotubes in liquid copper. Computers and Fluids, 2018, 172, 19-28.	2.5	1
29148	Printed Electronics Based on Inorganic Semiconductors: From Processes and Materials to Devices. Advanced Materials, 2018, 30, e1707600.	21.0	148

#	ARTICLE	IF	CITATIONS
29149	Defects in carbon nanotubes. , 2018, , 87-136.		9
29150	6.6 Ceramic Matrix Nanocomposites. , 2018, , 138-161.		9
29151	Emergence in the functionalized carbon nanotubes as smart nanocarriers for drug delivery applications. , 2018, , 105-133.		24
29152	Carbon nanotubes as sorbent materials for the extraction of pharmaceutical products followed by chromatographic analysis. , 2018, , 135-168.		1
29153	Particle-by-Particle Nanotechnology. , 2018, , 139-151.		0
29154	Topological nodal line semimetal in an orthorhombic graphene network structure. Physical Review B, 2018, 97, .	3.2	29
29155	Fluid mixtures in nanotubes. Physical Review E, 2018, 97, 062152.	2.1	2
29157	Carbon-Based Nanocomposite Membrane for Acidic Gas Separation. , 2018, , 233-260.		1
29158	Carbon nanomaterials for electroanalysis in pharmaceutical applications. , 2018, , 169-225.		11
29159	Carbon Nanomaterials for Nanomedicine. , 2018, , 103-113.		14
29160	Sensitivity Enhancement of Benzene Sensor Using Ethyl Cellulose-Coated Surface-Functionalized Carbon Nanotubes. Journal of Sensors, 2018, 2018, 1-9.	1.1	3
29161	Methodology to Capture Statistical Effect of Process Imperfections on Glitch Suppression in CNFET Circuits and to Improve by Using Approximate Circuits. , 2018, , .		1
29162	Analysis of the low velocity impact response of functionally graded carbon nanotubes reinforced composite spherical shells. Journal of Mechanical Science and Technology, 2018, 32, 2681-2691.	1.5	11
29163	Optical Characterization of Nanomaterials. , 2018, , 269-299.		13
29164	Characterizations of Carbon-Based Polypropylene Nanocomposites. , 2018, , 57-78.		3
29165	Carbon-Based Nanomaterials for Electrochemical DNA Sensing. , 2018, , 113-150.		4
29166	Finite Element Modeling of Nanotubes. , 2018, , 291-310.		1
29167	Preparation of CNT/RGO macroscopic body by partially stripping CNT and its energy storage performances. Diamond and Related Materials, 2018, 88, 1-5.	3.9	11

#	ARTICLE	IF	CITATIONS
29168	Carbon Nanotubes (CNTs). , 2018, , 375-396.		10
29169	An overview of functionalised carbon nanomaterial for organic pollutant removal. Journal of Industrial and Engineering Chemistry, 2018, 67, 175-186.	5.8	104
29170	Photocatalytic Hydrogen Production on Nanocomposite of Carbon Nanotubes and TiO ₂ . Journal of Physics: Conference Series, 2018, 1032, 012056.	0.4	2
29171	Field emission properties of laser ablated multi-walled carbon nanotubes. International Journal of Modern Physics B, 2018, 32, 1840045.	2.0	1
29172	Carbon Nanomaterials for Breast Cancer Treatment. Journal of Nanomaterials, 2018, 2018, 1-9.	2.7	42
29173	Theoretical study of boron nitride nanotubes as drug delivery vehicles of some anticancer drugs. Theoretical Chemistry Accounts, 2018, 137, 1.	1.4	33
29174	Electronic properties of FeCl ₃ and CrO ₃ interacting with GaN nanotubes from density functional calculations. Journal of Molecular Modeling, 2018, 24, 192.	1.8	8
29175	6.11 Conductive Nanocomposites for Multifunctional Sensing Applications. , 2018, , 315-351.		4
29176	The dependence of the size of confined water fluid molecules on the radius of carbon nanotube. Journal of Molecular Liquids, 2018, 266, 743-750.	4.9	1
29177	Impact of support calcination and competitive adsorbate in Fe/Mo-Al ₂ O ₃ catalyst for synthesis of carbon nanotubes by V-flame. Materials Research Express, 2018, 5, 055024.	1.6	1
29178	Inward growth by nucleation: Multiscale self-assembly of ordered membranes. Science Advances, 2018, 4, eaat1817.	10.3	21
29179	Enhanced catalytic capability of electroactive biofilm modified with different kinds of carbon nanotubes. Analytica Chimica Acta, 2018, 1035, 51-59.	5.4	11
29180	Structural determination of single-walled carbon nanotube with an intramolecular junction and its electrical transport property. Carbon, 2018, 139, 472-476.	10.3	0
29181	Nonlinear transient isogeometric analysis of FG-CNTRC nanoplates in thermal environments. Composite Structures, 2018, 201, 882-892.	5.8	70
29182	Thermal and tensile properties of diamondene at finite temperature: A molecular dynamics study. Materials and Design, 2018, 156, 125-134.	7.0	25
29183	Control of Electron Flow Direction in Photoexcited Cycloplatinated Complex Containing Conjugated Polymer-“Single-Walled Carbon Nanotube Hybrids. Journal of Physical Chemistry Letters, 2018, 9, 3819-3824.	4.6	8
29184	Surface reconstruction in gold nanowires. Scientific Reports, 2018, 8, 9836.	3.3	9
29185	Numerical simulation for radiative flow of nanoliquid by rotating disk with carbon nanotubes and partial slip. Computer Methods in Applied Mechanics and Engineering, 2018, 341, 397-408.	6.6	76

#	ARTICLE	IF	CITATIONS
29186	Single- and multi-walled carbon nanotubes for solar cell applications. International Journal of Modern Physics B, 2018, 32, 1830007.	2.0	7
29187	Characterization of Carbon Nanomaterials by Raman Spectroscopy. , 2018, , 1-36.		3
29188	Impedimetric Aptasensors Using Nanomaterials. , 2018, , 233-267.		2
29189	Simultaneous electrochemical sensing of warfarin and maycophenolic acid in biological samples. Analytica Chimica Acta, 2018, 1034, 46-55.	5.4	9
29190	Recent advances in hydrophilic modification and performance of polyethersulfone (PES) membrane <i>via</i> additive blending. RSC Advances, 2018, 8, 22710-22728.	3.6	97
29191	Reductionist Approach in Peptide-Based Nanotechnology. Annual Review of Biochemistry, 2018, 87, 533-553.	11.1	49
29192	Improving the mechanical properties of Fe ₃ O ₄ /carbon nanotube reinforced nanocomposites by a low-magnetic-field induced alignment. Journal of Polymer Engineering, 2018, 38, 731-738.	1.4	8
29193	Covalent Surface Functionalization of Boron Nitride Nanotubes Fabricated with Diazonium Salt. Journal of Nanomaterials, 2018, 2018, 1-9.	2.7	8
29194	The Effect of Various Catalyst on In-situ Synthesis of Carbon Nanotubes on the Glass Mat Using Thermal Chemical Vapor Deposition Method. Fibers and Polymers, 2018, 19, 711-721.	2.1	1
29195	Biosynthesis of Nanoparticles by Penicillium and Their Medical Applications. , 2018, , 235-246.		3
29196	Selective prepared carbon nanomaterials for advanced photocatalytic application in environmental pollutant treatment and hydrogen production. Applied Catalysis B: Environmental, 2018, 239, 408-424.	20.2	386
29197	Rotational behavior of a nanoring protected by argon. Computational Materials Science, 2018, 154, 132-137.	3.0	9
29198	Mass production of Nickel@Carbon nanoparticles attached on single-walled carbon nanotube networks as highly efficient water splitting electrocatalyst. International Journal of Hydrogen Energy, 2018, 43, 15687-15692.	7.1	12
29199	Dexamethasone-Loaded, PEGylated, Vertically Aligned, Multiwalled Carbon Nanotubes for Potential Ischemic Stroke Intervention. Molecules, 2018, 23, 1406.	3.8	23
29200	An Efficient Method to Completely Remove Catalyst Particles from HiPCO Single Walled Carbon Nanotubes. Journal of Nano Research, 0, 53, 64-75.	0.8	5
29201	Applications of Carbon Nanotubes in the Biomedical Field. , 2018, , 83-101.		9
29202	Structural Control of Nanoparticles. , 2018, , 49-107.		3
29203	Microwave synthesis of carbon onions in fractal aggregates using heavy oil as a precursor. Carbon, 2018, 138, 427-435.	10.3	13

#	ARTICLE	IF	CITATIONS
29204	Coloading of TiO ₂ and C ₃ N ₄ on kaolinite nanotubes for obviously improved photocatalytic performance in degradation of methylene blue dye. Materials Letters, 2018, 230, 32-35.	2.6	17
29205	Chirality transitions and transport properties of individual few-walled carbon nanotubes as revealed by in situ TEM probing. Ultramicroscopy, 2018, 194, 108-116.	1.9	9
29206	Role of Au(NPs) in the enhanced response of Au(NPs)-decorated MWCNT electrochemical biosensor. International Journal of Nanomedicine, 2018, Volume 13, 2093-2106.	6.7	26
29207	Preparation and adsorption application of carbon nanofibers with large specific surface area. Journal of Materials Science, 2018, 53, 16466-16475.	3.7	18
29208	Carbon Nanotube Tube Filled Polymer Nanocomposites and Their Applications in Tissue Engineering. , 2018, , 391-414.		8
29209	Quantitative Analysis of Zigzag and Armchair Edges on Carbon Materials with and without Pentagons Using Infrared Spectroscopy. Analytical Chemistry, 2018, 90, 10724-10731.	6.5	28
29210	Thermal Analysis of Nanofluid Flow over a Curved Stretching Surface Suspended by Carbon Nanotubes with Internal Heat Generation. Applied Sciences (Switzerland), 2018, 8, 395.	2.5	66
29211	A review of the interfacial characteristics of polymer nanocomposites containing carbon nanotubes. RSC Advances, 2018, 8, 28048-28085.	3.6	163
29212	Direct growth of lithium magnesium silicate nanotubes on a glass slide. CrystEngComm, 2018, 20, 4694-4701.	2.6	4
29213	Softening to hardening of stretched diamondene nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 21136-21143.	2.8	12
29214	Acquiring well balanced strength and ductility of Cu/CNTs composites with uniform dispersion of CNTs and strong interfacial bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 733, 144-152.	5.6	32
29215	Preparation of palladized carbon nanotubes encapsulated iron composites: highly efficient dechlorination for trichloroethylene and low corrosion of nanoiron. Royal Society Open Science, 2018, 5, 172242.	2.4	6
29216	Ferromagnetism and Wigner crystallization in kagome graphene and related structures. Physical Review B, 2018, 98, .	3.2	44
29217	Carbon-Rich Nanomaterials: Fascinating Hydrogen and Oxygen Electrocatalysts. Advanced Materials, 2018, 30, e1800528.	21.0	135
29218	Poly(vinyl alcohol)/carbon nanotube nanocomposites. , 2018, , 297-315.		7
29219	Nanotechnology of Carbon Nanotubes. , 2018, , 1-24.		1
29220	Classification of Carbon Nanotubes. , 2018, , 73-105.		0
29221	Mechanics of the High Aspect Ratio Carbon Nanotubes. , 2018, , 107-134.		0

#	ARTICLE	IF	CITATIONS
29222	Mechanics of Carbon Nanotubes. , 2018, , 135-164.		4
29223	Mechanics of Multiwall Carbon Nanotubes. , 2018, , 165-189.		1
29224	Novel Membranes and Membrane Materials. , 2018, , 201-221.		3
29225	Electronic and mechanical properties of C/Si phases with sp ² and sp ³ hybridization: A first-principles study. AIP Advances, 2018, 8, 075326.	1.3	0
29226	Fabrication and Characterization of Various Engineered Nanomaterials. , 2018, , 151-171.		17
29227	Carbon Nanotube Fabrication at Industrial Scale. , 2018, , 172-194.		16
29228	Engineered Nanomaterials for Energy Applications. , 2018, , 751-767.		13
29229	Preparation, electrical properties, and supercapacitor applications of fibrous aggregates of single-walled carbon nanohorns. Carbon, 2018, 138, 379-383.	10.3	6
29230	Channelling and induced defects at ion-bombarded aligned multiwall carbon nanotubes. Carbon, 2018, 139, 768-775.	10.3	24
29232	A two-class rotation transmission nanobearing driven by gigahertz rotary nanomotor. Computational Materials Science, 2018, 154, 97-105.	3.0	10
29233	All that glitters is not gold: Recent progress of alternative counter electrodes for perovskite solar cells. Nano Energy, 2018, 52, 211-238.	16.0	85
29234	Pt-grown carbon nanofibers for detection of hydrogen peroxide. RSC Advances, 2018, 8, 12742-12751.	3.6	12
29235	Study about characterization of CNTs through electron microscopy and Raman spectroscopy. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012122.	0.6	2
29236	Future Dielectric Materials for CNT Interconnects - Possibilities and Challenges. Journal of Nano Research, 2018, 52, 21-42.	0.8	13
29237	Isogeometric Analysis of functionally graded porous plates reinforced by graphene platelets. Composite Structures, 2018, 204, 114-130.	5.8	138
29238	Vibration and instability analysis of flow-conveying carbon nanotubes in the presence of material uncertainties. Physica A: Statistical Mechanics and Its Applications, 2018, 511, 85-103.	2.6	21
29239	Synthesis, characterization and antibacterial activity of silver-doped TiO ₂ nanotubes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 205, 503-507.	3.9	33
29240	Nonlinear bending of third-order shear deformable carbon nanotube/fiber/polymer multiscale laminated composite rectangular plates with different edge supports. European Physical Journal Plus, 2018, 133, 1.	2.6	35

#	ARTICLE	IF	CITATIONS
29241	Soft Material-Enabled, Flexible Hybrid Electronics for Medicine, Healthcare, and Human-Machine Interfaces. <i>Materials</i> , 2018, 11, 187.	2.9	166
29242	Synthesis of Carbon Nanotube Arrays with High Aspect Ratio via Ni-Catalyzed Pyrolysis of Waste Polyethylene. <i>Nanomaterials</i> , 2018, 8, 556.	4.1	18
29243	Poly(3-Hydroxybutyrate-co-3-Hydroxyvalerate): Enhancement Strategies for Advanced Applications. <i>Polymers</i> , 2018, 10, 732.	4.5	197
29244	Flexible electrochromic materials based on CNT/PDA hybrids. <i>Advances in Colloid and Interface Science</i> , 2018, 258, 21-35.	14.7	17
29245	A New Metallic Porous Carbon Phase tPâ€C12 with an sp ² â€sp ³ Bonding Network: A Firstâ€Principle Calculation. <i>ChemistrySelect</i> , 2018, 3, 8402-8406.	1.5	8
29246	Eco-polymer and Carbon Nanotube Composite: Safe Technology. , 2018, , 1-16.		0
29247	The Effect of U Atom Adsorption on the Structural, Electronic and Magnetic Properties of Single-Walled Carbon Nanotubes. <i>Journal of Electronic Materials</i> , 2018, 47, 5810-5815.	2.2	1
29248	H2O2/UV layer-by-layer oxidation of multiwall carbon nanotubes: The â€œanion effectâ€and the control of the degree of surface crystallinity and diameter. <i>Carbon</i> , 2018, 139, 1027-1034.	10.3	10
29249	Facile synthesis of WS2 nanotubes by sulfurization of tungsten thin films: formation mechanism, and structural and optical properties. <i>Nanoscale</i> , 2018, 10, 16683-16691.	5.6	9
29250	Enhancement of Hydrogelsâ€™ Properties for Biomedical Applications: Latest Achievements. , 0, , .		6
29251	Radiopharmaceutical enhancement by drug delivery systems: A review. <i>Journal of Controlled Release</i> , 2018, 287, 177-193.	9.9	27
29252	Carbon nanotube for targeted drug delivery. , 2018, , 203-216.		15
29253	Nanocomposites Based on Biodegradable Polymers. <i>Materials</i> , 2018, 11, 795.	2.9	83
29254	Conductive films of sonicated multiwall carbon nanotubes on stretchable substrates. <i>Polymer International</i> , 2018, 67, 1502-1510.	3.1	8
29255	Toxicology of Heterocarbon and Application of Nanoheterocarbon Materials for CBRN Defense. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2018, , 245-277.	0.5	2
29256	Nonlinear optical properties of aluminum nitride nanotubes doped by excess electron: a first principle study. <i>Journal of Molecular Modeling</i> , 2018, 24, 205.	1.8	7
29257	Control of Nanostructure of Materials. , 2018, , 169-253.		0
29258	Optimization of the fabrication conditions and effects of multi-walled carbon nanotubes on the tensile properties of various glass fibers/unsaturated polyester resin composites. <i>E-Polymers</i> , 2018, 18, 441-451.	3.0	5

#	ARTICLE	IF	CITATIONS
29259	All-Carbon Electrodes for Flexible Solar Cells. Applied Sciences (Switzerland), 2018, 8, 152.	2.5	21
29260	The Rotating Flow of Magneto Hydrodynamic Carbon Nanotubes over a Stretching Sheet with the Impact of Non-Linear Thermal Radiation and Heat Generation/Absorption. Applied Sciences (Switzerland), 2018, 8, 482.	2.5	68
29261	Optically Transparent Nano-Patterned Antennas: A Review and Future Directions. Applied Sciences (Switzerland), 2018, 8, 901.	2.5	51
29262	Synthesis of Hybrid Silica-Carbon Tubular Structures by Chemical Vapor Deposition with Methane or Ethene. Journal of Carbon Research, 2018, 4, 1.	2.7	0
29263	TEM Nano-Moiré Pattern Analysis of a Copper/Single Walled Carbon Nanotube Nanocomposite Synthesized by Laser Surface Implanting. Journal of Carbon Research, 2018, 4, 19.	2.7	9
29264	Structure and Raman Spectra of C60 and C70 Fullerenes Encased into Single-Walled Boron Nitride Nanotubes: A Theoretical Study. Crystals, 2018, 8, 118.	2.2	14
29265	Enhancing the strength of carbon nanotubes reinforced copper matrix composites by optimizing the interface structure and dispersion uniformity. Diamond and Related Materials, 2018, 88, 74-84.	3.9	42
29266	Synergistic effect of graphene and carbon nanotubes on mechanical and thermal performance of polystyrene. Materials Research Express, 2018, 5, 075602.	1.6	34
29267	Ultrathin graphdiyne film on graphene through solution-phase van der Waals epitaxy. Science Advances, 2018, 4, eaat6378.	10.3	198
29268	Review of nanomaterials-assisted ion exchange membranes for electromembrane desalination. Npj Clean Water, 2018, 1, .	8.0	79
29269	Assembly of colloidal particles in solution. Reports on Progress in Physics, 2018, 81, 126601.	20.1	51
29270	Coulomb energy of $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \hat{I} \pm \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -particle aggregates distributed on Archimedean solids. Physical Review C, 2018, 98, .	2.9	4
29271	Carbon Nanotubes Grown Using Solid Polymer Chemical Vapor Deposition in a Fluidized Bed Reactor with Iron(III) Nitrate, Iron(III) Chloride and Nickel(II) Chloride Catalysts. Inventions, 2018, 3, 18.	2.5	4
29272	Carbon-Based Nanomaterials/Allotropes: A Glimpse of Their Synthesis, Properties and Some Applications. Materials, 2018, 11, 295.	2.9	239
29273	Recent Advances in Discotic Liquid Crystal-Assisted Nanoparticles. Materials, 2018, 11, 382.	2.9	31
29274	A Review of Carbon Nanomaterials's™ Synthesis via the Chemical Vapor Deposition (CVD) Method. Materials, 2018, 11, 822.	2.9	315
29275	A Hot Extrusion Process without Sintering by Applying MWCNTs/Al6061 Composites. Metals, 2018, 8, 184.	2.3	4
29276	Cancer Targeting and Drug Delivery Using Carbon-Based Quantum Dots and Nanotubes. Molecules, 2018, 23, 378.	3.8	173

#	ARTICLE	IF	CITATIONS
29277	Production of Flocculants, Adsorbents, and Dispersants from Lignin. <i>Molecules</i> , 2018, 23, 868.	3.8	72
29278	Carbon Nanohorn Suprastructures on a Paper Support as a Sorptive Phase. <i>Molecules</i> , 2018, 23, 1252.	3.8	35
29279	Comparison of Branched and Linear Perfluoropolyether Chains Functionalization on Hydrophobic, Morphological and Conductive Properties of Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2018, 8, 176.	4.1	5
29280	Stochastic Resonance and Safe Basin of Single-Walled Carbon Nanotubes with Strongly Nonlinear Stiffness under Random Magnetic Field. <i>Nanomaterials</i> , 2018, 8, 298.	4.1	4
29281	Comparative Study of the ORR Activity and Stability of Pt and PtM (M = Ni, Co, Cr, Pd) Supported on Polyaniline/Carbon Nanotubes in a PEM Fuel Cell. <i>Nanomaterials</i> , 2018, 8, 299.	4.1	42
29282	Recent Development in ITO-free Flexible Polymer Solar Cells. <i>Polymers</i> , 2018, 10, 5.	4.5	57
29283	Spectroscopic Techniques for the Characterization of Polymer Nanocomposites: A Review. <i>Polymers</i> , 2018, 10, 7.	4.5	37
29284	Transparent Low Electrostatic Charge Films Based on Carbon Nanotubes and Polypropylene. Homopolymer Cast Films. <i>Polymers</i> , 2018, 10, 55.	4.5	6
29285	Trends and Advances in Electrochemiluminescence Nanobiosensors. <i>Sensors</i> , 2018, 18, 166.	3.8	85
29286	Suspended Carbon Nanotubes for Humidity Sensing. <i>Sensors</i> , 2018, 18, 1655.	3.8	32
29287	Recent Advances in Group III–V Nanowire Infrared Detectors. <i>Advanced Optical Materials</i> , 2018, 6, 1800256.	7.3	43
29288	Current Situation and Prospect of Nanometrology and its Standardization in Indonesia. <i>Mapan - Journal of Metrology Society of India</i> , 2018, 33, 469-480.	1.5	2
29289	Coal derived carbon nanomaterials – Recent advances in synthesis and applications. <i>Applied Materials Today</i> , 2018, 12, 342-358.	4.3	101
29290	Exfoliation energy, quasiparticle band structure, and excitonic properties of selenium and tellurium atomic chains. <i>Physical Review B</i> , 2018, 98, .	3.2	33
29291	Fabrication and characterization of transparent conducting reduced graphene oxide/Ag nanowires/ZnO:Ga composite thin films on flexible substrates. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2018, 36, .	2.1	4
29292	Engineered nanomaterials and human health: Part 1. Preparation, functionalization and characterization (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2018, 90, 1283-1324.	1.9	41
29293	Enhanced mechanical properties of aluminum based composites reinforced by chemically oxidized carbon nanotubes. <i>Carbon</i> , 2018, 139, 459-471.	10.3	82
29294	Roll-to-Roll Processing of Silicon Carbide Nanoparticle-Deposited Carbon Fiber for Multifunctional Composites. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 26576-26585.	8.0	15

#	ARTICLE	IF	CITATIONS
29295	Carbon Nanotubes Derived from Yeast-Fermented Wheat Flour and Their Energy Storage Application. ACS Sustainable Chemistry and Engineering, 2018, 6, 11386-11396.	6.7	67
29296	Field Emission from Carbon Nanostructures. Applied Sciences (Switzerland), 2018, 8, 526.	2.5	125
29297	Improved dielectric properties of PVDF nanocomposites: a comparative study of noncovalent and covalent functionalization of MWCNTs. Journal of Materials Science: Materials in Electronics, 2018, 29, 13112-13117.	2.2	2
29298	Hydrogenization of fullerene as a method of storage of hydrogen. Journal of Physics: Conference Series, 2018, 987, 012025.	0.4	1
29299	Theory, technology and applications of piezoresistive sensors: A review. Sensors and Actuators A: Physical, 2018, 281, 156-175.	4.1	298
29300	Analysis of the semi-empirical Stark broadening methods to improve the line emission accuracy: applications on He, Ar and Fe thermal plasmas. Journal Physics D: Applied Physics, 2018, 51, 335205.	2.8	5
29301	A finite element approach for modeling of CNT-polymer-composites for use in large area pressure sensors. , 2018, , .		1
29302	Analysis of wave propagation characteristics in piezoelectric cylindrical composite shells reinforced with carbon nanotubes. International Journal of Mechanical Sciences, 2018, 145, 200-220.	6.7	42
29303	High adsorption performance of β -cyclodextrin-functionalized multi-walled carbon nanotubes for the removal of organic dyes from water and industrial wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 4634-4643.	6.7	83
29304	Preparation of the CNTs/AG/ITO electrode with high electro-catalytic activity for 2-chlorophenol degradation and the potential risks from intermediates. Journal of Hazardous Materials, 2018, 359, 148-156.	12.4	29
29305	Chirality-controlled synthesis of single-walled carbon nanotubes—From mechanistic studies toward experimental realization. Materials Today, 2018, 21, 845-860.	14.2	34
29306	First principles study of electronic structure and carrier mobility in β -armchair antimony nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 2978-2983.	2.1	4
29307	Coaxial carbon nanotubes: from springs to ratchet wheels and nanobearings. Materials Research Express, 2018, 5, 075023.	1.6	4
29308	Carbon-electroluminescence: An organic approach to lighting. AIP Conference Proceedings, 2018, , .	0.4	1
29309	Carbon nanotubes and carbon nanobeads synthesis by one-pot chemical vapor deposition method: morphology and crystallinity. Materials Research Express, 2018, 5, 085008.	1.6	7
29310	Alternative transparent conducting electrode materials for flexible optoelectronic devices. Opto-electronics Review, 2018, 26, 223-235.	2.4	82
29312	Subwavelength Coupling of Surface Plasmon Polaritons Along Parallel Armchair Single-Wall Carbon Nanotubes. IEEE Nanotechnology Magazine, 2018, 17, 1159-1164.	2.0	6
29313	Highly selective, reusable electrochemical impedimetric DNA sensors based on carbon nanotube/polymer composite electrode without surface modification. Biosensors and Bioelectronics, 2018, 118, 16-22.	10.1	36

#	ARTICLE	IF	CITATIONS
29314	<i>In situ</i> synthesis of metal embedded nitrogen doped carbon nanotubes as an electrocatalyst for the oxygen reduction reaction with high activity and stability. RSC Advances, 2018, 8, 25051-25056.	3.6	7
29315	Embedding of hybrid MWCNT-Al ₂ O ₃ particles in Ni matrix: Structural, tribological and corrosion studies. Surface and Coatings Technology, 2018, 350, 672-685.	4.8	6
29316	The tunable permittivity of multi-walled carbon nanotubes/silver nanoparticles reinforced polyvinyl alcohol (PVA) nanocomposites at low frequency. Materials Research Express, 2018, 5, 085604.	1.6	10
29317	Nanostructured Materials for the Detection of CBRN. NATO Science for Peace and Security Series A: Chemistry and Biology, 2018, , .	0.5	2
29318	Carbon-Based Polymer Nanocomposites for Dye and Pigment Removal. , 2018, , 305-329.		3
29319	Research on high electromagnetic interference shielding effectiveness of a foldable buckypaper/polyacrylonitrile composite film via interface reinforcing. Composites Part A: Applied Science and Manufacturing, 2018, 113, 132-140.	7.6	30
29320	Synthesis and Size-Dependent Properties of [12], [16], and [24]Carbon Nanobelts. Journal of the American Chemical Society, 2018, 140, 10054-10059.	13.7	131
29321	Mechanical Properties and Stability of Body-Centered-Tetragonal C8 at High Pressures. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2018, 73, 939-945.	1.5	5
29322	Recent Advances in the Therapeutic and Diagnostic Use of Liposomes and Carbon Nanomaterials in Ischemic Stroke. Frontiers in Neuroscience, 2018, 12, 453.	2.8	39
29323	Polymer-based composites by electrospinning: Preparation & functionalization with nanocarbons. Progress in Polymer Science, 2018, 86, 40-84.	24.7	197
29324	Electrical, Thermal and Mechanical Properties of Epoxy/CNT/Calcium Carbonate Nanocomposites. Materials Research, 2018, 21, .	1.3	9
29325	Photo-Responsive Graphene and Carbon Nanotubes to Control and Tackle Biological Systems. Frontiers in Chemistry, 2018, 6, 102.	3.6	27
29326	Comparative Study of the Electrochemical, Biomedical, and Thermal Properties of Natural and Synthetic Nanomaterials. Nanoscale Research Letters, 2018, 13, 112.	5.7	17
29327	Effect of CNTs on morphology and electromagnetic properties of non-firing CNTs/silica composite ceramics. Advanced Powder Technology, 2018, 29, 1865-1870.	4.1	18
29328	Probabilistic multiscale modeling of 3D randomly oriented and aligned wavy CNT nanocomposites and RVE size determination. Composite Structures, 2018, 195, 265-275.	5.8	22
29329	Effect of graphene reinforcement on the mechanical properties of Ti ₂ AlC ceramic fabricated by spark plasma sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 728, 45-53.	5.6	17
29330	High-performance elastomeric strain sensors based on nanostructured carbon fillers for potential tire applications. Materials Today Communications, 2018, 14, 240-248.	1.9	24
29331	Supramolecular Kandinsky circles with high antibacterial activity. Nature Communications, 2018, 9, 1815.	12.8	88

#	ARTICLE	IF	CITATIONS
29332	Impact of $C_{20}H_{50}$ and OH Functionalizations on the Water Flow Blockage in Carbon Nanotubes. Journal of Physical Chemistry C, 2018, 122, 11807-11813.	3.1	8
29333	Core-shell porphyrin-multi-walled carbon nanotube hybrids linked by multiple hydrogen bonds: nanostructure and electronic communication. Journal of Materials Science, 2018, 53, 10835-10845.	3.7	4
29334	Preparation and Properties of Aqueous SCNTs Dispersion based on A UV-curable Polymeric Dispersant. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 485-491.	1.0	1
29335	Synthesis of reduced graphene oxide nanosheets using nanofibers from methane and biogas thermal decomposition with various catalysts. Chemical Papers, 2018, 72, 1991-1999.	2.2	3
29337	Mechanical Properties of Isolated Carbon Nanotube. , 2018, , 173-199.		4
29338	A highly sensitive sensor of paracetamol based on zinc-layered hydroxide-L-phenylalanate-modified multiwalled carbon nanotube paste electrode. Journal of Solid State Electrochemistry, 2018, 22, 2691-2701.	2.5	13
29339	The Internal Buckling Behavior Induced by Growth Self-restriction in Vertical Multi-walled Carbon Nanotube Arrays. MRS Advances, 2018, 3, 2815-2823.	0.9	1
29340	Benchmark study of ionization potentials and electron affinities of armchair single-walled carbon nanotubes using density functional theory. Journal of Physics Condensed Matter, 2018, 30, 215501.	1.8	10
29342	Sequentially bridged graphene sheets with high strength, toughness, and electrical conductivity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5359-5364.	7.1	114
29343	Study of the photocatalytic degradation of toluene over $CdS-TiO_2$ nanoparticles supported on multi-walled carbon nanotubes by back propagation neural network. Fullerenes Nanotubes and Carbon Nanostructures, 2018, 26, 246-254.	2.1	3
29344	Hybrid effects in the fracture toughness of polyvinyl butyral-based nanocomposites. Nanocomposites, 2018, 4, 1-9.	4.2	11
29345	Single-Walled Carbon Nanotubes Functionalized with N-(6-aminohexyl) Carboxamide as Ionophore for Sensing Silver Ions. Journal of Analytical Chemistry, 2018, 73, 383-389.	0.9	1
29346	Thermal annealing of Stone-Wales defects in fullerenes and nanotubes. Physics of the Solid State, 2018, 60, 162-166.	0.6	10
29347	Effect of Hydrogen Adsorption on the Stone-Wales Transformation in Small-Diameter Carbon Nanotubes. Physics of the Solid State, 2018, 60, 799-803.	0.6	5
29348	Preparation and properties evaluation of polyimide-matrix nanocomposites reinforced with glutamine functionalized multi-walled carbon nanotube. Polymer Bulletin, 2018, 75, 5731-5744.	3.3	4
29349	A new multiscale numerical characterization of mechanical properties of graphene-reinforced polymer-matrix composites. Composite Structures, 2018, 199, 1-9.	5.8	30
29350	Tribological behavior of self-lubricating carbon nanoparticle reinforced metal matrix composites. Wear, 2018, 408-409, 72-85.	3.1	48
29351	Electronic transport properties of heterojunction devices constructed by single-wall Fe_2Si and carbon nanotubes. Journal of Materials Chemistry C, 2018, 6, 5794-5802.	5.5	11

#	ARTICLE	IF	CITATIONS
29352	A theoretical model of effective electrical conductivity and piezoresistivity of carbon nanotube composites. Philosophical Magazine Letters, 2018, 98, 38-43.	1.2	4
29353	Electrical properties of carbon nanotubes filled cementitious composites. Materials Research Express, 2018, 5, 105704.	1.6	9
29354	Plasma Nanoscience and Nanotechnology. , 2018, , 365-453.		0
29355	Low temperature growth of carbon nanotubes by microwave plasma stimulated by CO ₂ as weak oxidant and guided by shadow masking. Diamond and Related Materials, 2018, 88, 204-214.	3.9	20
29356	Enhancement of Thermoelectric Performance in Oligomeric PEDOTâ€SWCNT Nanocomposite via Band Gap Tuning. ChemistrySelect, 2018, 3, 8992-8997.	1.5	9
29357	Flexible solar cells based on carbon nanomaterials. Carbon, 2018, 139, 1063-1073.	10.3	102
29358	Recent advances in electromagnetic interference shielding properties of metal and carbon filler reinforced flexible polymer composites: A review. Composites Part A: Applied Science and Manufacturing, 2018, 114, 49-71.	7.6	554
29359	Simple fabrication of a multiwall carbon nanotube â€“ elastomer composite with a rough surface and its application in force sensing. Microelectronic Engineering, 2018, 199, 106-113.	2.4	4
29360	Vibrational analysis of single-walled carbon nanotubes filled with gold nanowires using MD simulations. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 104, 327-332.	2.7	10
29361	Mechanical and microstructural properties of carbon nanotubes reinforced chromium oxide coated boiler steel. World Journal of Engineering, 2018, 15, 429-439.	1.6	23
29362	Carbon Nanotubes Synthesis. Carbon Nanostructures, 2018, , 27-84.	0.1	6
29363	Density functional theory study of adsorption properties of non-carbon, carbon and functionalized graphene surfaces towards the zinc and lead atoms. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 104, 275-285.	2.7	43
29364	Rare-earth doping engineering in nanostructured ZnO: a new type of eco-friendly photocatalyst with enhanced photocatalytic characteristics. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	15
29365	Self-assembly of cross-linked carbon nanotube films for improvement on mechanical properties and conductivity. Materials Letters, 2018, 231, 190-193.	2.6	10
29366	Bioelectronics with nanocarbons. Journal of Materials Chemistry B, 2018, 6, 7159-7178.	5.8	36
29367	Stabilities and electronic properties of nanowires made of single atomic sulfur chains encapsulated in zigzag carbon nanotubes. Nanotechnology, 2018, 29, 415703.	2.6	14
29368	Toxicity study of complex CNT-PEG-(NH ₂)-DOX synthesis on neuroblastoma cells. AIP Conference Proceedings, 2018, , .	0.4	1
29369	Sintering of carbon nanotube-reinforced zirconia-toughened alumina composites prepared by uniaxial pressing and cold isostatic pressing. Materials Research Express, 2018, 5, 105602.	1.6	15

#	ARTICLE	IF	CITATIONS
29370	A wide potential window symmetric supercapacitor by TEMPO functionalized MWCNTs. Journal of Molecular Liquids, 2018, 271, 31-39.	4.9	52
29371	Carbon nanotubes grown on oil palm shell powdered activated carbon as less hazardous and cheap substrate. Applied Nanoscience (Switzerland), 2018, 8, 1767-1779.	3.1	4
29372	Topological characterization of carbon nanotubes. Journal of Physics Condensed Matter, 2018, 30, 335301.	1.8	1
29373	Ab initio investigation of structure, stability, thermal behavior and infrared spectra of (BN) ₄ cluster. Computational and Theoretical Chemistry, 2018, 1141, 1-6.	2.5	5
29374	Two Novel Polyoxometalate-Encapsulated Metal-Organic Nanotube Frameworks as Stable and Highly Efficient Electrocatalysts for Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2018, 10, 31498-31504.	8.0	73
29375	Electric Field Induced Alignment of Carbon Nanotubes: Methodology and Outcomes. , 0, , .		11
29376	Enhanced electrochemical sensing of dopamine based on carboxylic acid functionalized multi-walled carbon nanotubes/poly(toluidine blue) composite. Synthetic Metals, 2018, 245, 87-95.	3.9	21
29377	Ground-state molecular and electronic structures of group-IV nanoribbons, nanorings and nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 24353-24368.	2.8	1
29378	Low power consumption pressure sensor based on carbon nanotubes. AIP Conference Proceedings, 2018, , .	0.4	3
29379	Flexural strength analysis of boron nitride nanotubes. AIP Conference Proceedings, 2018, , .	0.4	0
29380	Nano-carbon: Plant Growth Promotion and Protection. Nanotechnology in the Life Sciences, 2018, , 155-188.	0.6	16
29381	Multifunctional super-aligned carbon nanotube/polyimide composite film heaters and actuators. Carbon, 2018, 139, 1136-1143.	10.3	78
29382	Transition of Graphene Oxide from Nanomembrane to Nanoscroll Mediated by Organic Solvent in Dispersion. Chemistry of Materials, 2018, 30, 5951-5960.	6.7	20
29383	Biosensor response from target molecules with inhomogeneous charge localization. Journal of Applied Physics, 2018, 124, 064502.	2.5	9
29384	Engineering of oriented carbon nanotubes in composite materials. Beilstein Journal of Nanotechnology, 2018, 9, 415-435.	2.8	25
29385	Multifunctional Carbon-Based Nanomaterials: Applications in Biomolecular Imaging and Therapy. ACS Omega, 2018, 3, 9126-9145.	3.5	62
29386	Application of clay ceramics and nanotechnology in water treatment: A review. Cogent Engineering, 2018, 5, 1476017.	2.2	33
29387	Gate-enhanced photocurrent of (6,5) single-walled carbon nanotube based field effect transistor. Carbon, 2018, 139, 709-715.	10.3	3

#	ARTICLE	IF	CITATIONS
29388	2D correlation Raman spectroscopy of model micro- and nano-carbon layers in interactions with albumin, human and animal. Journal of Molecular Structure, 2018, 1171, 587-593.	3.6	7
29389	Energetics and electronic structures of perylene confined in carbon nanotubes. Royal Society Open Science, 2018, 5, 180359.	2.4	2
29390	Dispersion of carbon nanofibers modified with polymer colloids to enhance mechanical properties of PVA nanocomposite film. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 556, 248-252.	4.7	16
29391	Selective localization of carbon nanotube and organoclay in biodegradable poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 30 conductivity. Composites Part A: Applied Science and Manufacturing, 2018, 114, 30-39.	7.6	46
29392	CNT-reinforced metal and steel nanocomposites: A comprehensive assessment of progress and future directions. Composites Part A: Applied Science and Manufacturing, 2018, 114, 170-187.	7.6	119
29393	Thermal Growth of Graphene: A Review. Coatings, 2018, 8, 40.	2.6	47
29394	Composite material based on hydroxyapatite and multi-walled carbon nanotubes filled by iron: Preparation, properties and drug release ability. Materials Science and Engineering C, 2018, 93, 606-614.	7.3	28
29395	Direct growth of carbon microfibres on SiO ₂ particles by chemical vapour deposition from ethanol. Micro and Nano Letters, 2018, 13, 1453-1456.	1.3	1
29396	Friction and wear characteristics of copper nanocomposites reinforced with uncoated and nickel coated carbon nanotubes. Materials Research Express, 2018, 5, 095607.	1.6	14
29397	Investigation on field-emission properties of graphdiyne-ZnO composite. Modern Physics Letters B, 2018, 32, 1850285.	1.9	2
29398	Advances in nanomaterials for brain microscopy. Nano Research, 2018, 11, 5144-5172.	10.4	14
29399	Recent advancements in supercapacitor technology. Nano Energy, 2018, 52, 441-473.	16.0	1,228
29400	Carbon Nanotubes for Clean Water. Carbon Nanostructures, 2018, , .	0.1	4
29402	Thermal conductive composites reinforced via advanced boron nitride nanomaterials. Composites Communications, 2018, 10, 103-109.	6.3	64
29403	Three-dimensional printing with nano-enabled filaments releases polymer particles containing carbon nanotubes into air. Indoor Air, 2018, 28, 840-851.	4.3	40
29404	Producing carbon nanotubes from thermochemical conversion of waste plastics using Ni/ceramic based catalyst. Chemical Engineering Science, 2018, 192, 882-891.	3.8	30
29405	Formation of polyhedral graphite particles by high-density carbon arc discharge with ethanol vapor. Vacuum, 2018, 156, 165-171.	3.5	7
29406	Metallic π^* Semiconducting transitions in HX(X=F, Br, Cl) adsorbed (5,5) and (7,7) carbon nanotubes: DFT study. AIP Conference Proceedings, 2018, , .	0.4	0

#	ARTICLE	IF	CITATIONS
29407	Structural and dynamic properties of water molecules in a uniformly charged nanopore. Journal of Chemical Physics, 2018, 149, 074703.	3.0	3
29408	High aspect ratio nanotubes assembled from macrocyclic iminium salts. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8883-8888.	7.1	36
29409	Effect of van der Waals force on wave propagation in viscoelastic double-walled carbon nanotubes. Modern Physics Letters B, 2018, 32, 1850291.	1.9	1
29410	Fe-Based Nano-Materials in Catalysis. Materials, 2018, 11, 831.	2.9	36
29411	Characterizing the sensitivity of bonds to the curvature of carbon nanotubes. Journal of Molecular Modeling, 2018, 24, 249.	1.8	25
29412	Principles of detection mechanism for adsorbed gases using carbon nanotube nanomat. Chemical Physics Letters, 2018, 709, 77-81.	2.6	8
29413	Interdependencies between graphitization of carbon nanotubes and strengthening mechanisms in titanium matrix composites. Materialia, 2018, 3, 122-138.	2.7	41
29414	Comparison between Single-Walled CNT, Multi-Walled CNT, and Carbon Nanotube-Fiber Pyrograf III. IOP Conference Series: Materials Science and Engineering, 2018, 305, 012025.	0.6	10
29415	The optimization of CNT-PVA nanocomposite for mild steel coating: Effect of CNTs concentration on the corrosion rate of mild steel. AIP Conference Proceedings, 2018, , .	0.4	0
29416	Magnetic Field Effect on Ultrashort Two-dimensional Optical Pulse Propagation in Silicon Nanotubes. Russian Physics Journal, 2018, 61, 157-161.	0.4	0
29417	Fabrication of Carbon Nanotube/Polymer Nanocomposites. , 2018, , 61-81.		19
29418	Effect of silane modification on CNTs/silica composites fabricated by a non-firing process to enhance interfacial property and dispersibility. Advanced Powder Technology, 2018, 29, 2091-2096.	4.1	20
29419	On dynamic analysis of nanorods. International Journal of Engineering Science, 2018, 130, 33-50.	5.0	170
29420	Quantification of Carbon Nanotubes Taken up by Macrophage Cells Using Optical Absorption Method. E-Journal of Surface Science and Nanotechnology, 2018, 16, 93-96.	0.4	4
29421	A simple and efficient route to synthesize hafnium carbide nanowires by catalytic pyrolysis of a polymer precursor. Ceramics International, 2018, 44, 13335-13340.	4.8	10
29422	Thermal response characterization and comparison of carbon nanotube-enhanced cementitious composites. Composite Structures, 2018, 202, 1042-1050.	5.8	29
29423	Investigations on the transformation of vertically aligned CNTs to intramolecular junctions by atmospheric pressure PECVD. Materials Today Communications, 2018, 16, 178-185.	1.9	6
29424	Evolution of the multi-walled carbon nanotubes structure with increasing fluence of He ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2018, 430, 11-17.	1.4	22

#	ARTICLE	IF	CITATIONS
29425	Solid-phase microextraction of heavy metals in natural water with a polypyrrole/carbon nanotube/1, 10-phenanthroline composite sorbent material. <i>Talanta</i> , 2018, 188, 570-577.	5.5	71
29426	Significant decrease in the reflectance of thin CNT forest films tuned by the Taguchi method. <i>Vacuum</i> , 2018, 154, 285-295.	3.5	11
29427	Aluminium Carbon Nanotube Composites—A Review on Latest Approaches. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2018, , 387-393.	0.6	1
29428	X-Ray Nanochemistry: Background and Introduction. <i>Nanostructure Science and Technology</i> , 2018, , 3-20.	0.1	0
29430	Recent progress in nanocomposites based on conducting polymer: application as electrochemical sensors. <i>International Nano Letters</i> , 2018, 8, 79-99.	5.0	114
29431	Record Alkali Metal Intercalation by Highly Charged Corannulene. <i>Accounts of Chemical Research</i> , 2018, 51, 1541-1549.	15.6	67
29432	Exploring the novel donor-nanotube archetype as an efficient third-order nonlinear optical material: asymmetric open-shell carbon nanotubes. <i>Nanoscale</i> , 2018, 10, 16499-16507.	5.6	37
29433	The toxicity study of functionalized CNT from fermented tapioca on neuroblastoma cell. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
29434	Self-grafting carbon nanotubes on polymers for stretchable electronics. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	5
29435	Temperature dependence on thermal and strength properties of aluminum based high thermal conductive composites containing VGCF-CNT fillers. <i>Mechanical Engineering Journal</i> , 2018, 5, 18-00001-18-00001.	0.4	0
29436	Single-Crystalline Nanobelts Composed of Transition Metal Ditellurides. <i>Advanced Materials</i> , 2018, 30, e1707260.	21.0	18
29437	Monolayer Transition Metal Dichalcogenides as Light Sources. <i>Advanced Materials</i> , 2018, 30, e1707627.	21.0	76
29438	Synthesis, electrochemistry and electrocatalytic activity of cobalt phthalocyanine complexes — Effects of substituents for oxygen reduction reaction. <i>Polyhedron</i> , 2018, 152, 114-124.	2.2	22
29439	NURBS-based analyses of functionally graded carbon nanotube-reinforced composite shells. <i>Composite Structures</i> , 2018, 203, 349-360.	5.8	57
29440	Nanotubes from misfit layered compounds. <i>Journal of Coordination Chemistry</i> , 2018, 71, 1669-1678.	2.2	4
29441	Mesoporous Carbon Nanospheres as Broadband Saturable Absorbers for Pulsed Laser Generation. <i>Advanced Optical Materials</i> , 2018, 6, 1800606.	7.3	23
29442	Synthesis of Single-Walled Carbon Nanotubes Coated with Thiol-Reactive Gel via Emulsion Polymerization. <i>Journal of the American Chemical Society</i> , 2018, 140, 8544-8550.	13.7	14
29443	Generation of Pd@Ni-CNTs from Polyethylene Wastes and Their Application in the Electrochemical Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , 2018, 3, 5321-5325.	1.5	13

#	ARTICLE	IF	CITATIONS
29444	Effect of incorporation of conductive fillers on mechanical properties and thermal conductivity of epoxy resin composite. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	43
29445	1.2 Carbon Nanotube Based Fibers. , 2018, , 13-40.		0
29446	6.1 Micromechanics of Nanocomposites. , 2018, , 1-27.		0
29447	2.21 Supercapacitors. , 2018, , 663-695.		8
29448	Carbon-Based Nanocomposite Proton Exchange Membranes for Fuel Cells. , 2018, , 437-461.		5
29449	Functionalized graphene. , 2018, , 545-584.		4
29450	Nanopaper Enabled Shape Memory Composites. , 2018, , 221-246.		0
29451	Preparation and Characterization of Copolyimide/Carboxylated Multiple-walled Carbon Nanotubes Composite Films. IOP Conference Series: Earth and Environmental Science, 2018, 108, 022014.	0.3	1
29452	First principles study of a heavily nitrogen-doped (10,0) carbon nanotube. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 103, 201-207.	2.7	2
29453	Continuously fabricated transparent conductive polycarbonate/carbon nanotube nanocomposite films for switchable thermochromic applications. Journal of Materials Chemistry C, 2018, 6, 8360-8371.	5.5	79
29454	An improved model of carbon nanotube conveying flow by considering comprehensive effects of Knudsen number. Microfluidics and Nanofluidics, 2018, 22, 1.	2.2	9
29455	Exploring the possibility of GaPNTs as new materials for hydrogen storage. Chinese Journal of Physics, 2018, 56, 1476-1480.	3.9	7
29456	Nanocomposites of Chalcogenide and their Applications. Nano Hybrids and Composites, 0, 20, 46-64.	0.8	5
29457	Developments and challenges in the manufacturing, characterization and scale-up of energetic nanomaterials – A review. Chemical Engineering Journal, 2018, 350, 939-948.	12.7	44
29458	Effects of ionic liquids and thermal annealing on the rheological behavior and electrical properties of poly(methyl methacrylate)/carbon nanotubes composites. Polymer, 2018, 148, 68-78.	3.8	19
29459	Effect of carbon nanotubes on the global aging behavior of \hat{I}^2 -nucleated polypropylene random copolymers for absorbers of solar-thermal collectors. Solar Energy, 2018, 172, 141-145.	6.1	9
29460	Electrical response of carbon nanotube buckypaper sensor subjected to monotonic tension, cycle tension and temperature. Micro and Nano Letters, 2018, 13, 862-867.	1.3	5
29461	Using approximate circuits to counter process imperfections in CNFET based circuits. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
29462	Amorphous Carbon Nanotubesâ€“Nickel Oxide Nanoflower Hybrids: A Low Cost Energy Storage Material. ACS Omega, 2018, 3, 6311-6320.	3.5	22
29463	Contaminants of Emerging Concern, With an Emphasis on Nanomaterials and Pharmaceuticals. , 2018, , 291-315.		12
29464	Intrinsic transportation properties along and across the CNTs in self-supported 3D-CNT frameworks. Materials Chemistry and Physics, 2018, 216, 345-348.	4.0	3
29465	Facile synthesis of wavy carbon nanowires <i>via</i> activation-enabled reconstruction and their applications towards nanoparticles separation and catalysis. RSC Advances, 2018, 8, 20593-20602.	3.6	3
29466	Similar and Differential Canonical Pathways and Biological Processes Associated With Multiwalled Carbon Nanotube and Asbestos-Induced Pulmonary Fibrosis: A 1-Year Postexposure Study. International Journal of Toxicology, 2018, 37, 276-284.	1.2	10
29467	Review; Risk Assessment of Aerosolized SWCNTs, MWCNTs, Fullerenes and Carbon Black. KONA Powder and Particle Journal, 2018, 35, 80-88.	1.7	14
29468	Carbon nanotubes based potentiometric sensor for determination of bambuterol hydrochloride: Electrochemical and morphology study. Sensors and Actuators B: Chemical, 2018, 273, 429-438.	7.8	17
29469	Structural and electronic properties of rectangular CdTe nanowire: A DST study. AIP Conference Proceedings, 2018, , .	0.4	0
29470	Nanofiber Technology: History and Developments. , 2018, , 1-42.		11
29471	2.15 Damage in Architected Composites. , 2018, , 291-306.		2
29472	Use of Nanoparticles in the Food Industry: Advances and Perspectives. , 2018, , 419-444.		10
29473	Nanomaterials in Liquid Chromatography: Recent Advances in Stationary Phases. , 2018, , 255-297.		5
29474	Prospects of carbon nanotubes as matrices for cell technologies. , 2018, , 67-104.		0
29475	CNT Basics and Characteristics. , 2018, , 1-24.		7
29476	Nanomaterials history, classification, unique properties, production and market. , 2018, , 341-384.		68
29477	Fabrication, functionalization, and dispersion of carbon nanotubes. , 2018, , 501-531.		8
29478	Mesoscopic friction and network morphology control the mechanics and processing of carbon nanotube yarns. Carbon, 2018, 139, 94-104.	10.3	17
29479	An Electrochemical Comparison of Singleâ€“Walled and Multiâ€“Walled Carbon Nanotubes Utilizing Paeonol as the Model Drug. ChemistrySelect, 2018, 3, 6406-6413.	1.5	4

#	ARTICLE	IF	CITATIONS
29480	Quality Control of Raw Materials. , 2018, , 1129-1150.		1
29481	Adhesives with Nanoparticles. , 2018, , 1677-1702.		1
29482	Wave Propagation in Fluid-Filled Single-Walled Carbon Nanotube Based on the Nonlocal Strain Gradient Theory. Acta Mechanica Solida Sinica, 2018, 31, 484-492.	1.9	29
29483	2D graphdiyne materials: challenges and opportunities in energy field. Science China Chemistry, 2018, 61, 765-786.	8.2	123
29484	Mechanism of Adsorption on Nanomaterials. , 2018, , 89-115.		96
29485	New Advances in Food Sample Preparation With Nanomaterials for Organic Contaminants Analysis by Liquid Chromatography. , 2018, , 118-154.		11
29486	Nanomaterials in Chromatographic Sample Preparations. , 2018, , 201-231.		4
29487	Using of Nanomaterials to Enhance the Separation Efficiency of Monolithic Columns. , 2018, , 299-322.		3
29488	Electroanalytical Bioplatforms Based on Carbon Nanostructures as New Tools for Diagnosis. , 2018, , 269-306.		1
29489	Engineering Applications of Carbon Nanotubes. , 2018, , 25-40.		7
29490	Damped forced vibration analysis of single-walled carbon nanotubes resting on viscoelastic foundation in thermal environment using nonlocal strain gradient theory. Engineering Science and Technology, an International Journal, 2018, 21, 778-786.	3.2	53
29491	Situ preparation of SiO ₂ on graphene-assisted anti-oxidation for resol phenolic resin. Polymer Degradation and Stability, 2018, 154, 222-233.	5.8	15
29492	Microstructural investigation of aluminum-graphene nano platelets composites prepared by powder metallurgy. AIP Conference Proceedings, 2018, , .	0.4	0
29493	The influence of electro-deposition parameters on conductivity and morphology of structurally uniform MWCNTs/Cu composite films. Materials Research Express, 2018, 5, 065604.	1.6	2
29494	CNTs/CdSe QDs nanocomposites: synthesis and photoluminescence studies. Journal of Materials Science: Materials in Electronics, 2018, 29, 13499-13507.	2.2	9
29495	Carbon-Based Polymer Nanocomposite Membranes for Desalination. , 2018, , 281-304.		1
29496	Structural and thermal characterization of multiwall carbon nanotubes (MWCNTs) / aluminum (Al) nanocomposites. Composites Part B: Engineering, 2018, 151, 232-236.	12.0	27
29497	Mechanical and thermal properties of TPU-toughened PBT/CNT nanocomposites. Journal of Thermoplastic Composite Materials, 2019, 32, 815-830.	4.2	31

#	ARTICLE	IF	CITATIONS
29498	Research on the influence of carbon nanotubes (CNTs) on compressive strength and air-void structure of ultra-light foamed concrete. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 2009-2016.	2.6	9
29499	Application of carbon nanotubes in extraction and chromatographic analysis: A review. <i>Arabian Journal of Chemistry</i> , 2019, 12, 633-651.	4.9	116
29500	Free and forced vibration analysis of rectangular/circular/annular plates made of carbon fiber-carbon nanotube-polymer hybrid composites. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 70-76.	1.4	16
29501	Theoretical study of graphyne- I^3 doped with N atoms: The quest for novel catalytic materials. <i>Fuel</i> , 2019, 235, 384-395.	6.4	32
29502	Plasma-nano-interface in perspective: from plasma-for-nano to nano-plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 014028.	2.1	9
29503	A review on novel composites of MWCNTs mediated semiconducting materials as photocatalysts in water treatment. <i>Science of the Total Environment</i> , 2019, 646, 1398-1412.	8.0	101
29504	Mechanical and low-velocity impact properties of epoxy-composite beams reinforced by MWCNTs. <i>Journal of Composite Materials</i> , 2019, 53, 693-705.	2.4	28
29505	Cement degradation in CO ₂ storage sites: a review on potential applications of nanomaterials. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 329-340.	2.4	18
29506	The Magnetic Properties of the Spin-1 Ising Fullerene Cage with a Core-Shell Structure. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 425-430.	1.8	14
29507	Multi-stage micromechanical modeling of effective elastic properties of carbon fiber/carbon nanotube-reinforced polymer hybrid composites. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 2047-2061.	2.6	28
29508	Morphology Studies on Mechanically Milled Aluminium Reinforced with B ₄ C and CNTs. <i>Silicon</i> , 2019, 11, 1089-1098.	3.3	15
29509	Enhanced tensile strength and electrical conductivity of electrospun polyacrylonitrile Yarns via post-treatment. <i>Polymer Composites</i> , 2019, 40, 1702-1707.	4.6	10
29510	On the Nonlinear Vibrations of Polymer Nanocomposite Rectangular Plates Reinforced by Graphene Nanoplatelets: A Unified Higher-Order Shear Deformable Model. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 603-620.	1.3	49
29511	Structural Characterization and Identification of Graphdiyne and Graphdiyne-Based Materials. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2717-2729.	8.0	62
29512	Crack growth analysis of carbon nanotube reinforced polymer nanocomposite using extended finite element method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 1750-1770.	2.1	16
29513	Investigation of nonlinear dynamic behavior of a capacitive carbon nano-tube based electromechanical switch considering van der Waals force. <i>Microsystem Technologies</i> , 2019, 25, 461-475.	2.0	6
29514	Smart nanocarrier-based drug delivery systems for cancer therapy and toxicity studies: A review. <i>Journal of Advanced Research</i> , 2019, 15, 1-18.	9.5	674
29515	Graphene/Graphene Oxide and Carbon Nanotube Based Sensors for the Determination and Removal of Bisphenols. , 2019, , 329-372.		1

#	ARTICLE	IF	CITATIONS
29516	Density Functional Theory Study on the Mechanical Properties and Interlayer Interactions of Multi-layer Graphene: Carbonic, Silicon-Carbide and Silicene Graphene-like Structures. Silicon, 2019, 11, 1235-1246.	3.3	31
29517	Viscoelastic free vibration behavior of nano-scaled beams via finite element nonlocal integral elasticity approach. JVC/Journal of Vibration and Control, 2019, 25, 445-459.	2.6	23
29519	In situ non-catalyst synthesis of multiwall carbon nanotubes and nanofibers on commercial stainless steel cylinder. Journal of Porous Materials, 2019, 26, 525-531.	2.6	5
29520	The geometrical advantages of helical carbon nanotubes for high-performance multifunctional polymeric nanocomposites. Composites Part B: Engineering, 2019, 156, 28-42.	12.0	32
29521	Theoretical Approach for Nanocarbon-Based Energy Catalyst Design. Nanostructure Science and Technology, 2019, , 159-174.	0.1	0
29522	Nanocarbons in Li-Ion Batteries. Nanostructure Science and Technology, 2019, , 419-453.	0.1	0
29523	Nanocarbons and Their Composite Materials as Electrocatalyst for Metalâ€‘Air Battery and Water Splitting. Nanostructure Science and Technology, 2019, , 455-496.	0.1	0
29524	Nonlocal second-order strain gradient elasticity model and its application in wave propagating in carbon nanotubes. Microsystem Technologies, 2019, 25, 2215-2227.	2.0	8
29525	Functionalization of Carbon Nanostructures. , 2019, , 123-144.		25
29526	Colloidal stability of halloysite clay nanotubes. Ceramics International, 2019, 45, 2858-2865.	4.8	52
29527	Magnetic and structural properties of BNC nanotubes. Molecular Physics, 2019, 117, 260-266.	1.7	4
29528	Carbon nanotube membranes for water purification: Developments, challenges, and prospects for the future. Separation and Purification Technology, 2019, 209, 307-337.	7.9	243
29529	Thermal decomposition kinetic study of multiwalled carbon nanotube buckypaper-reinforced poly(ether-imide) composites. Journal of Thermoplastic Composite Materials, 2019, 32, 62-75.	4.2	9
29530	First-Principle Investigation of the Mechanical and Transport Properties of the Zigzag Carbon Nanotubes (n, 0) (n=4, 5) with Stoneâ€‘Wales Defects. Iranian Journal of Science and Technology, Transaction A: Science, 2019, 43, 1303-1309.	1.5	2
29531	Single-walled carbon nanotubes-based electrochemical sensor for the electrochemical investigation of pantoprazole in pharmaceuticals and biological samples. Ionics, 2019, 25, 2297-2309.	2.4	12
29532	Using finite element codes as a numerical platform to run molecular dynamics simulations. Computational Mechanics, 2019, 63, 271-300.	4.0	1
29533	Flexural characterization of 3D prepreg/stitched carbon/epoxy/multiwalled carbon nanotube preforms and composites. Journal of Composite Materials, 2019, 53, 563-577.	2.4	30
29534	Adsorption and desorption phenomena on thermally annealed multi-walled carbon nanotubes by XANES study. Chinese Physics B, 2019, 28, 093101.	1.4	3

#	ARTICLE	IF	CITATIONS
29535	Study of MEH:PPV/AgMWCNTs composite for application in Schottky diode. AIP Conference Proceedings, 2019, , .	0.4	0
29536	Critical Output Torque of a GHz CNT-Based Rotation Transmission System Via Axial Interface Friction at Low Temperature. International Journal of Molecular Sciences, 2019, 20, 3851.	4.1	4
29537	Coordination-Driven Self-Assembly of Discrete Molecular Nanotubular Architectures. Inorganic Chemistry, 2019, 58, 11172-11179.	4.0	17
29538	Two-step synthesis of a red-emissive warped nanographene derivative via a ten-fold C-H borylation. Chemical Science, 2019, 10, 9038-9041.	7.4	28
29539	Physical properties of $R\text{Ir}^{3+}$ (R = Gd, Tb, Ho) compounds with coexisting polymorphic phases. Physical Chemistry Chemical Physics, 2019, 21, 16923-16936.	2.8	13
29540	The potential application of graphene nanotechnology for renewable energy systems. , 2019, , 59-80.		2
29541	Wafer-scale vertically aligned carbon nanotubes for broadband terahertz wave absorption. Carbon, 2019, 154, 503-509.	10.3	20
29542	A general strategy for optimizing composite properties by evaluating the interfacial surface area of dispersed carbon nanotubes by fractal dimension. Carbon, 2019, 154, 457-465.	10.3	15
29543	Multiscale material modelling and analysis of carbon fiber/MWCNT/epoxy composites to predict effective elastic constants. Materials Today: Proceedings, 2019, 19, 521-527.	1.8	6
29544	Magnetic and Electronic Properties of I^2 -Graphyne Doped with Rare-Earth Atoms. Chinese Physics Letters, 2019, 36, 076101.	3.3	3
29545	Recent Advances in Electric-Double-Layer Transistors for Bio-Chemical Sensing Applications. Sensors, 2019, 19, 3425.	3.8	44
29546	Temperature-dependent Electrical Characterization of Single and Dual-gate Flexible Carbon Nanotube Thin Film Transistors. IETE Journal of Research, 2019, , 1-11.	2.6	0
29547	Bowl Inversion in an Exo-type Supramolecule in the Solid State. Angewandte Chemie, 2019, 131, 13410-13413.	2.0	3
29548	Cooperative Self-Assembly of Pyridine-2,6-diimine-Linked Macrocycles into Mechanically Robust Nanotubes. Angewandte Chemie - International Edition, 2019, 58, 14708-14714.	13.8	19
29549	Fabrication and Characterization of CNT-Based Hybrid Composite. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 509-521.	0.6	0
29550	Thermal Effect on Vibration Responses of Double-Layered Graphene Sheet-Based Nanomechanical Resonators Based on Galerkin Strip Transfer Function Method. Brazilian Journal of Physics, 2019, 49, 667-677.	1.4	4
29551	Construction of gradient structure in polyetherimide/carbon nanotube nanocomposite foam and its thermal/mechanical property. Composites Part A: Applied Science and Manufacturing, 2019, 126, 105579.	7.6	17
29552	Carbon Nanotube Coated Conductors. ACS Applied Electronic Materials, 2019, 1, 1797-1806.	4.3	6

#	ARTICLE	IF	CITATIONS
29553	Mechanical Properties and Reinforcement Mechanisms of Carbon Nanotube Composites with Amine Functional Groups Based on Molecular Dynamics. Journal of Physics: Conference Series, 2019, 1176, 052054.	0.4	1
29554	Entropy analysis of Hall current and thermal radiation influenced by cilia with single- and multi-walled carbon nanotubes. Bulletin of Materials Science, 2019, 42, 1.	1.7	17
29555	Recoverability of a gigahertz rotation-translation nanoconverter with hydrogenated deformable rotor at room temperature. Nanotechnology, 2019, 30, 465301.	2.6	4
29556	Investigation of thermal characteristics of carbon nanotubes: Measurement and dependence. Journal of Molecular Liquids, 2019, 294, 111564.	4.9	18
29557	Boron nitride nanotubes reinforced polycarbonate nanocomposites. Materials Today Communications, 2019, 20, 100586.	1.9	10
29558	Fabrication and characterization of AA6061/CNTs surface nanocomposite by friction stir processing. International Journal of Advanced Manufacturing Technology, 2019, 105, 749-769.	3.0	6
29559	Nonspherical Nanoparticle Shape Stability Is Affected by Complex Manufacturing Aspects: Its Implications for Drug Delivery and Targeting. Advanced Healthcare Materials, 2019, 8, e1900352.	7.6	23
29560	Effect of multi-walled carbon nanotubes on thermal stability of polyurethane nanocomposites. Materials Research Express, 2019, 6, 105336.	1.6	15
29561	Zinc Layered Hydroxide-Sodium Dodecyl Sulphate-Isoprocarb Modified Multiwalled Carbon Nanotubes as sensor for Electrochemical Determination of Dopamine in Alkaline Medium. International Journal of Electrochemical Science, 2019, 14, 9080-9091.	1.3	8
29562	Carbon Allotropes as Anode Material for Lithium-Ion Batteries. Advanced Materials Technologies, 2019, 4, 1900307.	5.8	50
29563	Spectrum of Radiation of a Bunch of Positrons Channeled in Densely Packed Nanotubes. Journal of Contemporary Physics, 2019, 54, 126-135.	0.6	2
29564	Theoretical Predictions of the Interfacial Stress Transfer in Nanotube-Reinforced Polymer Nanocomposites by Using a Strain-Hardening Shear-Lag Model. Multiscale Science and Engineering, 2019, 1, 236-246.	1.7	5
29565	An overview of nanomaterials for industrial wastewater treatment. Korean Journal of Chemical Engineering, 2019, 36, 1209-1225.	2.7	138
29566	Polymeric Materials with Nanoparticles. , 2019, , 167-200.		0
29567	Computational Studies of Adsorption of Toxic Molecules and Anions on the Surface of Doped and Functionalized Carbon Nanotubes. Springer Proceedings in Physics, 2019, , 305-340.	0.2	2
29568	Thermal induced order fluctuations in carbon nanosystem with carbon nanotubes. Nano Structures Nano Objects, 2019, 19, 100375.	3.5	11
29569	Growth and Termination Dynamics of Multiwalled Carbon Nanotubes at Near Ambient Pressure: An in Situ Transmission Electron Microscopy Study. Nano Letters, 2019, 19, 5380-5387.	9.1	48
29570	Chirality manifestation in elastic coupling between the layers of double-walled carbon nanotubes. Nanoscale, 2019, 11, 16092-16102.	5.6	8

#	ARTICLE	IF	CITATIONS
29571	Oxidation stability of confined linear carbon chains, carbon nanotubes, and graphene nanoribbons as 1D nanocarbons. <i>Nanoscale</i> , 2019, 11, 15253-15258.	5.6	13
29572	Carbon nanotubes, graphene, porous carbon, and hybrid carbon-based materials: synthesis, properties, and functionalization for efficient energy storage. , 2019, , 1-24.		7
29573	Enhancing semiconductor photocatalysis with carbon nanostructures for water/air purification and self-cleaning applications. , 2019, , 139-172.		5
29574	Unsaturated Polyester Nanocomposites. , 2019, , 101-124.		4
29575	RAS in pancreatic cancer. <i>Biochemical Society Transactions</i> , 2019, 47, 961-972.	3.4	51
29576	High-performance functional nanocomposites using 3D ordered and continuous nanostructures generated from proximity-field nanopatterning. <i>Functional Composites and Structures</i> , 2019, 1, 032002.	3.4	27
29577	Dynamics of hydroxyapatite and carbon nanotubes interaction. <i>Applied Surface Science</i> , 2019, 495, 143493.	6.1	8
29578	Elastic properties of graphyne-based nanotubes. <i>Computational Materials Science</i> , 2019, 170, 109153.	3.0	25
29579	Enhanced tribology, thermal and electrical properties of Al-CNT composite processed via spark plasma sintering for transmission conductor. <i>Journal of Materials Science</i> , 2019, 54, 14064-14073.	3.7	27
29580	The effect of pH on synthesizing Ni-decorated MWCNTs and its application for Sn-58Bi solder. <i>Current Applied Physics</i> , 2019, 19, 1182-1186.	2.4	9
29581	Carbon nanotube (CNT) incorporated cementitious composites for functional construction materials: The state of the art. <i>Composite Structures</i> , 2019, 227, 111244.	5.8	95
29582	Dispersion of Carbon Nanotubes Using Nonylphenol Commercial Surfactant. <i>Microscopy and Microanalysis</i> , 2019, 25, 2412-2413.	0.4	0
29583	Synthesis and Characterization of Ester Bond-Containing Polyethyleneimine Functionalized Carbon Nanotubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 472, 012002.	0.6	2
29584	Mechanical properties of twin graphene subjected to uniaxial stress by molecular dynamic simulation. <i>Materials Research Express</i> , 2019, 6, 105611.	1.6	10
29585	Superfluidity inside carbon nanotubes. <i>Physical Review E</i> , 2019, 100, 023106.	2.1	4
29586	Selective Carbon Material Engineering for Improved MEMS and NEMS. <i>Micromachines</i> , 2019, 10, 539.	2.9	33
29587	Lattice deformation on flat-band modulation in 3D Hopf-linked carbon allotrope: Hopfene. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	4
29588	Spectroscopy Study of Single-Wall Carbon Nano-Tubes. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
29589	Investigation of cost-effective carbon nanofiber/carbon fiber and silicone polymer composite material for wearable bioimpedance device. , 2019, , .		5
29590	Light Bullets in a Periodically Inhomogeneous Medium of Oriented Carbon Nanotubes in an Optical Cavity. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 394-399.	0.6	3
29591	Advanced Compressible and Elastic 3D Monoliths beyond Hydrogels. Advanced Functional Materials, 2019, 29, 1904472.	14.9	69
29592	Analytical solution of stability of FG-CNTRC conical shells under external pressures. Thin-Walled Structures, 2019, 144, 106338.	5.3	47
29593	State of the Art on Sensing Capability of Poorly or Nonconductive Matrixes with a Special Focus on Portland Cementâ€‘Based Materials. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	5
29594	Study the nonlinear behavior of MWCNTs and ZnO/Se/MWCNTs. , 2019, , .		2
29595	Role of Chemical Doping in Large Deformation Behavior of Spiral Carbon-Based Nanostructures: Unraveling Geometry-Dependent Chemical Doping Effects. Journal of Physical Chemistry C, 2019, 123, 19208-19219.	3.1	16
29596	The mobility of PEG chains versus micellar stability towards the formation of PEâ€‘bâ€‘PEG nanohybrid shishâ€‘kebab on carbon nanotubes. Polymers for Advanced Technologies, 2019, 30, 1796-1806.	3.2	3
29597	Mechanical and Thermodynamic Properties of Unidirectional Flax Fiber Reinforced CNT Modified Epoxy Composites. Fibers and Polymers, 2019, 20, 1266-1276.	2.1	20
29598	Carboxylated carbon nanotubes can serve as pathways for molecules in sandwich-like two-phase organic-water systems. Journal of Molecular Liquids, 2019, 291, 111287.	4.9	7
29599	Molecular-Level Understanding of Structures and Dynamics of Imidazolium-Based Ionic Liquids around Single-Walled Carbon Nanotubes: Different Effects between Alkyl Chains of Cations and Nanotube Diameters. Journal of Physical Chemistry C, 2019, 123, 18932-18938.	3.1	12
29600	Classification of Commercialized Carbon Nanotubes into Three General Categories as a Guide for Applications. ACS Applied Nano Materials, 2019, 2, 4043-4047.	5.0	39
29601	Topological molecular nanocarbons: All-benzene catenane and trefoil knot. Science, 2019, 365, 272-276.	12.6	192
29602	A Review of Geometry, Construction and Modelling for Carbon Nanotori. Applied Sciences (Switzerland), 2019, 9, 2301.	2.5	15
29603	Effect of the Marangoni Convection in the Unsteady Thin Film Spray of CNT Nanofluids. Processes, 2019, 7, 392.	2.8	10
29604	Bowl Inversion in an Exoâ€‘type Supramolecule in the Solid State. Angewandte Chemie - International Edition, 2019, 58, 13276-13279.	13.8	12
29605	Theoretical studies of nanostructures modeled by the binding of uracil derivatives to functionalized (5,5) carbon nanotubes. Chemical Physics Letters, 2019, 731, 136602.	2.6	17
29606	Band gap tunability and structural stability of metal/nonmetal codoped group-IV tin nanotubes: Effect of spin-orbit coupling. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113644.	2.7	13

#	ARTICLE	IF	CITATIONS
29607	Electrodeposition of Ni P composite coatings: A review. Surface and Coatings Technology, 2019, 378, 124803.	4.8	52
29608	Erosion Resistance Properties of Ironâ€“Carbon Composite Plating to Molten Lead-Free Solder. Applied Sciences (Switzerland), 2019, 9, 2724.	2.5	2
29609	Comparative in Vitro Cytotoxicity of Realistic Doses of Benchmark Multi-Walled Carbon Nanotubes towards Macrophages and Airway Epithelial Cells. Nanomaterials, 2019, 9, 982.	4.1	16
29610	Chemistries for DNA Nanotechnology. Chemical Reviews, 2019, 119, 6384-6458.	47.7	319
29611	Proposal to test quantum wave-particle superposition on massive mechanical resonators. Npj Quantum Information, 2019, 5, .	6.7	28
29612	Precise synthesis and photophysical properties of a small chiral carbon nanotube segment: cyclo[7]paraphenylene-2,6-naphthylene. Chemical Communications, 2019, 55, 9456-9459.	4.1	28
29613	Comparison of Experimental Measurements of Thermal Conductivity of Fe2O3 Nanofluids Against Standard Theoretical Models and Artificial Neural Network Approach. Journal of Materials Engineering and Performance, 2019, 28, 4602-4609.	2.5	12
29614	Guided and radiated electromagnetic propagation from carbon-based nanointerconnects and nanoantennas. , 2019, , 139-167.		0
29615	Carbon nanotubes grafted with sulfonated polyacrylamide as a heterogeneous catalyst for the preparation of bis(indolyl)methanes. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	5
29616	Enhanced elastic behavior of all-carbon composites reinforced by in-situ synthesized morphed graphene. Carbon, 2019, 153, 657-662.	10.3	12
29617	Anisotropic mechanical properties and strengthening mechanism in superaligned carbon nanotubes-reinforced aluminum. Carbon, 2019, 153, 513-524.	10.3	12
29618	Sensitive voltammetric determination of cadmium at a carbon nanotubes/Fe3O4/eggshell composites modified carbon paste electrode. Environmental Nanotechnology, Monitoring and Management, 2019, 12, 100241.	2.9	14
29619	Efficient and cost-effective dye-sensitized solar cells using MWCNT-TiO2 nanocomposite as photoanode and MWCNT as Pt-free counter electrode. Solar Energy, 2019, 188, 1178-1188.	6.1	45
29620	Effect of the Si, Al and B doping on the sensing behaviour of carbon nanotubes toward ethylene oxide: a computational study. Molecular Simulation, 2019, 45, 1384-1394.	2.0	8
29621	One-step synthesis of carbon nanotubes with secondary growth of carbon nanofibers: effect of chlorine, synthesis time and temperature. Materials Research Express, 2019, 6, 115016.	1.6	8
29622	Topological nodal line semimetals in graphene network structures. Advances in Physics: X, 2019, 4, 1625724.	4.1	9
29623	Flexural wave propagation analysis of single-walled carbon nanotubes using molecular structural mechanics approach. Materials Research Express, 2019, 6, 095048.	1.6	1
29624	Molecular Dynamics Simulation of Paracetamol Drug Adsorption on Boron Nitride Nanotube: Effects of Temperature, Nanotube Length, Diameter, and Chirality. ChemistrySelect, 2019, 4, 7866-7873.	1.5	11

#	ARTICLE	IF	CITATIONS
29625	First-principles investigation on cluster-assembled silicon nanotubes with Eu atoms encapsulation. Journal of Molecular Modeling, 2019, 25, 226.	1.8	5
29626	Investigation of the constancy of the MWCNTs on the fibres surface for manufactured self-sensing composites. Composites Part B: Engineering, 2019, 173, 106998.	12.0	17
29627	Critical insights into the reinforcement potential of cellulose nanocrystals in polymer nanocomposites. Current Opinion in Solid State and Materials Science, 2019, 23, 100761.	11.5	71
29628	Examples of Nanomaterials with Various Morphologies. Advanced Structured Materials, 2019, , 141-164.	0.5	2
29629	Elastic-plastic fracture assessment of CNT-reinforced epoxy/nanocomposite specimens weakened by U-shaped notches under mixed mode loading. Composites Part B: Engineering, 2019, 176, 107114.	12.0	19
29630	Efficient vapor-liquid-solid synthesis of copper doped zinc oxide (Cu:ZnO) nanonails with highly homogeneous dopant distribution. Materials Science in Semiconductor Processing, 2019, 101, 238-246.	4.0	9
29631	Telecom wavelength single photon sources. Journal of Semiconductors, 2019, 40, 071901.	3.7	51
29632	Adsorption of lead and copper ions from aqueous solutions using multi-wall carbon nanotube/kaolinite composite beads. Bayero Journal of Pure and Applied Sciences, 2019, 11, 8.	0.2	0
29633	Highly sensitive and selective detection of dopamine using overoxidized polypyrrole/sodium dodecyl sulfate-modified carbon nanotube electrodes. Journal of Electroanalytical Chemistry, 2019, 848, 113295.	3.8	28
29634	Entropy Analysis of Carbon Nanotubes Based Nanofluid Flow Past a Vertical Cone with Thermal Radiation. Entropy, 2019, 21, 642.	2.2	30
29635	Fine tuning of optoelectronic properties of single-walled carbon nanotubes from conductors to semiconductors. Carbon, 2019, 153, 337-346.	10.3	10
29636	85nm wide-band tunable erbium doped fiber laser using a gallium selenide (GaSe)-based saturable absorber for passive optical modulation. Laser Physics Letters, 2019, 16, 095101.	1.4	7
29637	Resistance-Capacitance Gas Sensor Based on Fractal Geometry. Chemosensors, 2019, 7, 31.	3.6	11
29638	Carbon-Based Composites for Supercapacitor. , 0, , .		7
29639	Carbon nanotube-reinforced intermetallic matrix composites: processing challenges, consolidation, and mechanical properties. International Journal of Advanced Manufacturing Technology, 2019, 104, 3803-3820.	3.0	7
29640	From Planar Macrocyclic to Cylindrical Molecule: Synthesis and Properties of a Phenanthrene-Based Coronal Nanohoop as a Segment of [6,6]Carbon Nanotube. Organic Letters, 2019, 21, 5917-5921.	4.6	12
29641	Facile synthesis of carbon nanobranches towards cobalt ion sensing and high-performance micro-supercapacitors. Nanoscale Advances, 2019, 1, 3614-3620.	4.6	5
29642	Organometallic complexes of carbon nanotube. Journal of Molecular Modeling, 2019, 25, 239.	1.8	2

#	ARTICLE	IF	CITATIONS
29643	Carbon nanotubes: synthesis, properties and engineering applications. Carbon Letters, 2019, 29, 419-447.	5.9	220
29644	Laser additive manufacturing of carbon nanotubes (CNTs) reinforced aluminum matrix nanocomposites: Processing optimization, microstructure evolution and mechanical properties. Additive Manufacturing, 2019, 29, 100801.	3.0	45
29645	The Fabrication of Pt/Co Nanocomposite Supported on Reduced Graphene Oxide for Methanol Oxidation. International Journal of Electrochemical Science, 2019, , 6826-6839.	1.3	10
29646	Thick Electrode Batteries: Principles, Opportunities, and Challenges. Advanced Energy Materials, 2019, 9, 1901457.	19.5	407
29647	Analysis of CNT reinforced polymer nanocomposite plate in the presence of discontinuities using XFEM. Theoretical and Applied Fracture Mechanics, 2019, 103, 102292.	4.7	19
29648	Negatively Curved Warped Nanographene Self-Assembled on Metal Surfaces. Journal of the American Chemical Society, 2019, 141, 13158-13164.	13.7	38
29649	Hierarchically structured 3D carbon nanotube electrodes for electrocatalytic applications. Beilstein Journal of Nanotechnology, 2019, 10, 1475-1487.	2.8	3
29650	Recent Advances in Ambipolar Transistors for Functional Applications. Advanced Functional Materials, 2019, 29, 1902105.	14.9	154
29651	Synthesis and mechanism perspectives of a carbon nanotube aerogel via a floating catalyst chemical vapour deposition method. Bulletin of Materials Science, 2019, 42, 1.	1.7	12
29652	Iridium-catalyzed growth of single-walled carbon nanotubes with a bicentric diameter distribution. Materials Chemistry Frontiers, 2019, 3, 1882-1887.	5.9	8
29653	Carbon-based sorbents and their nanocomposites for the enrichment of heavy metal ions: a review. Mikrochimica Acta, 2019, 186, 578.	5.0	70
29654	Novel mechanical behaviors of DNA-inspired helical structures with chirality. International Journal of Mechanical Sciences, 2019, 161-162, 105025.	6.7	13
29655	Exploration of alkali cation variation on the synthesis of carbon nanotubes by electrolysis of CO ₂ in molten carbonates. Journal of CO ₂ Utilization, 2019, 34, 303-312.	6.8	37
29656	Fabrication and characterization of silicone rubber/multiwalled carbon nanotubes nanocomposite sensors under impact force. Sensors and Actuators A: Physical, 2019, 297, 111479.	4.1	10
29657	Ablation and Patterning of Carbon Nanotube Film by Femtosecond Laser Irradiation. Applied Sciences (Switzerland), 2019, 9, 3045.	2.5	22
29658	A Review on Brittle Fracture Nanomechanics by All-Atom Simulations. Nanomaterials, 2019, 9, 1050.	4.1	19
29659	Formation Features of Hybrid Nanocomposites Based on Polydiphenylamine-2-Carboxylic Acid and Single-Walled Carbon Nanotubes. Polymers, 2019, 11, 1181.	4.5	11
29660	Flexible Graphene, Graphene-Oxide, and Carbon-Nanotube-Based Supercapacitors and Batteries. Annalen Der Physik, 2019, 531, 1800507.	2.4	44

#	ARTICLE	IF	CITATIONS
29662	Electric-field-induced microstructure modulation of carbon nanotubes for high-performance supercapacitors. <i>Frontiers of Materials Science</i> , 2019, 13, 270-276.	2.2	2
29663	An impedimetric biosensor based on poly(L-lysine)-decorated multiwall carbon nanotubes for the determination of diazinon in water and fruits. <i>Journal of the Iranian Chemical Society</i> , 2019, 16, 2777-2785.	2.2	10
29664	Effect of Carbon Nanofillers on the Mechanical and Interfacial Properties of Epoxy Based Nanocomposites: A Review. <i>Polymer Science - Series A</i> , 2019, 61, 439-460.	1.0	95
29665	Tumor Targeting Strategies of Smart Fluorescent Nanoparticles and Their Applications in Cancer Diagnosis and Treatment. <i>Advanced Materials</i> , 2019, 31, e1902409.	21.0	173
29666	Oxygen Reduction Reaction Mechanisms on Heteroatom-Doped Single-Walled Carbon Nanotube Catalysts: Insights from a Theoretical Study. <i>Journal of the Electrochemical Society</i> , 2019, 166, F670-F678.	2.9	15
29667	Investigation of viscous fluid flow and dynamic stability of CNTs subjected to axial harmonic load coupled using Bolotin's method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 3435-3462.	2.8	2
29668	Superflexible C ₆₈ -graphyne as a promising anode material for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17357-17365.	10.3	19
29669	Synthesis, Characterization, and Evaluation of Disulfide-Containing Polyethylenimine Derivative Functionalized Magnetic Carbon Nanotubes as an Efficient Gene Vector. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.	2.7	2
29670	Electrical properties of stretchable and skin-mountable PDMS/MWCNT hybrid composite films for flexible strain sensors. <i>Journal of Composite Materials</i> , 2019, 53, 3047-3060.	2.4	17
29671	Carbon Nanotube Based Fiber Supercapacitor as Wearable Energy Storage. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	86
29672	Electrochemical Sensing Platform Based on Graphene-Metal/Metal Oxide Hybrids for Detection of Metal Ions Contaminants. , 2019, , 301-327.		2
29673	Conductive and flexible multi-walled carbon nanotube/polydimethylsiloxane composites made with naphthalene/toluene mixture. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48167.	2.6	11
29674	Effect of multi-walled carbon nanotubes addition on MnOx/Ti electrode prepared by spraying-calcination method for electro-catalytic oxidation of Acid Red B. <i>Journal of Materials Science</i> , 2019, 54, 12509-12521.	3.7	7
29675	Modelling of Nickel Atoms Interacting with Single-Walled Nanotubes. <i>Advances in Mathematical Physics</i> , 2019, 2019, 1-7.	0.8	1
29676	Reinforced impermeability of cementitious composites using graphene oxide-carbon nanotube hybrid under different water-to-cement ratios. <i>Construction and Building Materials</i> , 2019, 222, 610-621.	7.2	55
29677	Highly selective isomerization of cottonseed oil into conjugated linoleic acid catalyzed by multiwalled carbon nanotube supported ruthenium. <i>RSC Advances</i> , 2019, 9, 20698-20705.	3.6	12
29678	Investigation of Magnetic Properties of ⁵⁷ Fe-Fe ₂ O ₃ NP-Decorated Carbon Nanostructured Mats. <i>Jom</i> , 2019, 71, 3142-3150.	1.9	3
29679	Thermodynamics of multi-walled carbon nanotube biofunctionalization using nisin: The effect of peptide structure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 578, 123611.	4.7	1

#	ARTICLE	IF	CITATIONS
29680	DFT analysis of pristine and functionalized zigzag CNT: A case of H ₂ S sensing. Chemical Physics Letters, 2019, 731, 136575.	2.6	37
29681	Carbon Nanotubes: Synthesis via Chemical Vapour Deposition without Hydrogen, Surface Modification, and Application. Journal of Chemistry, 2019, 2019, 1-14.	1.9	19
29682	Experimental Evidence of Large Bandgap Energy in Atomically Thin AlN. Advanced Functional Materials, 2019, 29, 1902608.	14.9	21
29683	One-step rapid preparation of CNTs using the spark plasma-assisted pyrolysis of melamine and its photoluminescence properties. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	1
29684	Optical and Electronic Properties of Al-Doped Mg ₁₂ O ₁₂ Nanocluster: A Theoretical Study. Russian Journal of Inorganic Chemistry, 2019, 64, 762-769.	1.3	4
29685	Emerging Trends in Nanobiosensor. Nanotechnology in the Life Sciences, 2019, , 419-447.	0.6	3
29686	On the Mechanical Properties of the Graphdiyne Nanotubes: a Molecular Dynamics Investigation. Brazilian Journal of Physics, 2019, 49, 654-666.	1.4	4
29687	EDM performance of Inconel 718 superalloy: application of multi-walled carbon nanotube (MWCNT) added dielectric media. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	44
29688	Effect of interphase, curvature and agglomeration of SWCNTs on mechanical properties of polymer-based nanocomposites: Experimental and numerical investigations. Composites Part B: Engineering, 2019, 175, 107119.	12.0	95
29689	Compatibilising action of multiwalled carbon nanotubes in polycarbonate/polypropylene (PC/PP) blends: phase morphology, viscoelastic phase separation, rheology and percolation. Journal of Polymer Research, 2019, 26, 1.	2.4	22
29690	Synthesis and investigation of SiO ₂ -MgO coated MWCNTs and their potential application. Scientific Reports, 2019, 9, 15113.	3.3	10
29691	The effect of carbon nanotube chirality on the electrical conductivity of polymer nanocomposites considering tunneling resistance. Nanotechnology, 2019, 30, 465701.	2.6	22
29692	In search of Coulson's lost theorem. Journal of Chemical Physics, 2019, 151, 151101.	3.0	0
29693	Multiplexed Competitive Screening of One-Bead-One-Component Combinatorial Libraries Using a ClonePix 2 Colony Sorter. International Journal of Molecular Sciences, 2019, 20, 5119.	4.1	11
29694	Carbon Nanotube Film-Based Radio Frequency Transistors with Maximum Oscillation Frequency above 100 GHz. ACS Applied Materials & Interfaces, 2019, 11, 42496-42503.	8.0	34
29695	The rationale and emergence of electroconductive biomaterial scaffolds in cardiac tissue engineering. APL Bioengineering, 2019, 3, 041501.	6.2	84
29696	Photocatalytic Degradation of Pharmaceuticals Carbamazepine, Diclofenac, and Sulfamethoxazole by Semiconductor and Carbon Materials: A Review. Molecules, 2019, 24, 3702.	3.8	92
29697	Carbon-Based Nanocages: A New Platform for Advanced Energy Storage and Conversion. Advanced Materials, 2020, 32, e1904177.	21.0	84

#	ARTICLE	IF	CITATIONS
29698	Differently substituted aniline functionalized MWCNTs to anchor oxides of Bi and Ni nanoparticles. <i>Journal of Nanostructure in Chemistry</i> , 2019, 9, 299-314.	9.1	9
29699	Axial and torsional buckling analysis of single- and multi-walled carbon nanotubes: finite element comparison between armchair and zigzag types. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	8
29700	Co-axially rotating carbon nanotubes: A novel mechanism for nanoscale pumping of fluids. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
29702	Morphological and Electrical Characteristics of Multi-walled Carbon Nanotubes and their Composites Depending on Catalyst Calcination Temperature. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 1020-1024.	1.9	0
29703	Electronic and structural properties of black phosphorene doped with Si, B and N. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125945.	2.1	16
29704	Dielectric properties of a monolayer nano-graphyne structure: Monte Carlo simulations. <i>Superlattices and Microstructures</i> , 2019, 135, 106285.	3.1	52
29706	Advances in gas ionization sensors based on nanostructured materials: a review. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19087-19099.	2.2	5
29707	On the torsional vibration of nanorods surrounded by elastic matrix via nonlocal FEM. <i>International Journal of Mechanical Sciences</i> , 2019, 161-162, 105076.	6.7	31
29708	Mechanical deformations of carbon nanorings: a study by molecular dynamics and nonlocal continuum mechanics. <i>Meccanica</i> , 2019, 54, 2281-2293.	2.0	3
29709	Single-Walled boron nitride nanotubes interaction with nickel, titanium, palladium, and gold metal atoms- A first-principles study. <i>Results in Materials</i> , 2019, 2, 100029.	1.8	7
29710	Theoretical model for the design and preparation of a CNT-ursonic acid drug matrix as HIV-gp120 entry inhibitor. <i>Scientific African</i> , 2019, 6, e00177.	1.5	4
29711	Morphological Analysis of the Nylon6, 6 Matrix based Clay and Carbon Nano composites. <i>Materials Today: Proceedings</i> , 2019, 16, 1344-1349.	1.8	2
29712	Nitrogen doped carbon nanotubes decorated with iron carbide nanoparticles and their electrochemical capacitance. <i>Materials Today Communications</i> , 2019, 21, 100667.	1.9	2
29713	Carbon nanotubes accelerated growth by iron nanoparticles under microwave heating. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 920-927.	2.1	1
29714	Tensile characteristics of carbene-functionalized CNTs subjected to physisorption of polymer chains: a molecular dynamics study. <i>Journal of Molecular Modeling</i> , 2019, 25, 318.	1.8	11
29715	Effects of electrodes CdS/CNT/C on performance of PEMFC. <i>Materials Today: Proceedings</i> , 2019, 17, 1344-1353.	1.8	3
29716	Carbon Nanotube-Quicklime Nanocomposites Prepared Using a Nickel Catalyst Supported on Calcium Oxide Derived from Carbonate Stones. <i>Nanomaterials</i> , 2019, 9, 1239.	4.1	7
29717	Mitsui-7, heat-treated, and nitrogen-doped multi-walled carbon nanotubes elicit genotoxicity in human lung epithelial cells. <i>Particle and Fibre Toxicology</i> , 2019, 16, 36.	6.2	24

#	ARTICLE	IF	CITATIONS
29718	The dispersion of CNT in TPU matrix with different preparation methods: solution mixing vs melt mixing. <i>Polymer</i> , 2019, 182, 121838.	3.8	56
29719	IoT & Big Data in Smart Healthcare (ECG Monitoring). , 2019, , .		26
29720	Recent Advances in Nanomaterials-Based Chemo-Photothermal Combination Therapy for Improving Cancer Treatment. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 293.	4.1	99
29721	Effect of Different Raw Material Property for the Fabrication on Al/CNT Nanocomposite Using a Ball Mill with a Discrete Element Method (DEM) Simulation. <i>Materials</i> , 2019, 12, 3291.	2.9	8
29722	CO ₂ and CH ₄ sorption on carbon nanomaterials and coals – Comparative characteristics. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 72, 103003.	4.4	16
29723	Analysis of functionally graded carbon nanotube-reinforced laminates. <i>Materials Today: Proceedings</i> , 2019, 18, 628-637.	1.8	2
29724	Amplified CO ₂ reduction of greenhouse gas emissions with C ₂ CNT carbon nanotube composites. <i>Materials Today Sustainability</i> , 2019, 6, 100023.	4.1	23
29725	Nanotemplate Fabrication of PEG-Containing Thermosetting Polyurethane Nanoarray toward Enhanced Thermal Storage. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2924-2932.	4.4	3
29726	Nondestructive real-space imaging of energy dissipation distributions in randomly networked conductive nanomaterials. <i>Scientific Reports</i> , 2019, 9, 14572.	3.3	9
29727	Analysis of Vibration Frequency of Carbon Nanotubes used as Nano-Force Sensors Considering Clamped Boundary Condition. <i>Electronics (Switzerland)</i> , 2019, 8, 1082.	3.1	10
29728	Influence of nonlinear radiation on natural convection flow of carbon nanotubes suspended in water-based fluid along a vertical wavy surface. <i>Physica Scripta</i> , 2019, 94, 115214.	2.5	7
29729	Preparation of bamboo-like carbon nanotubes by the reaction of cobaltocene and methanol. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 310, 042047.	0.3	0
29730	Reinforcement of Bisphenol-A epoxy resin nanocomposites with noncovalent functionalized and physical adsorption modified CNTs. <i>Materials Research Express</i> , 2019, 6, 105623.	1.6	2
29731	Towards next-generation fiber-reinforced polymer composites: a perspective on multifunctionality. <i>Functional Composites and Structures</i> , 2019, 1, 042002.	3.4	24
29735	Demanding energy from carbon. , 2019, 1, 8-12.		118
29736	Polymer hollow fiber membranes for gas separation: A comparison between three commercial resins. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	11
29737	Hot corrosion resistance of a Ti–Mo–Nb–Al–Si titanium matrix composites reinforced with <i>in-situ</i> TiC prepared by powder metallurgy. <i>Materials Research Express</i> , 2019, 6, 126510.	1.6	3
29738	The nature of small molecules adsorbed on defective carbon nanotubes. <i>Royal Society Open Science</i> , 2019, 6, 190727.	2.4	7

#	ARTICLE	IF	CITATIONS
29739	Recent Advances in Characterization Techniques for the Interface in Carbon Nanotube-Reinforced Polymer Nanocomposites. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-24.	1.8	9
29740	Hyaluronate Functionalized Multi-Wall Carbon Nanotubes Filled with Carboplatin as a Novel Drug Nanocarrier against Murine Lung Cancer Cells. <i>Nanomaterials</i> , 2019, 9, 1572.	4.1	23
29741	Synthesis and Reactions of Carbon Nanohoop. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2019, 77, 1147-1158.	0.1	19
29743	How to characterize interfacial load transfer in spiral carbon-based nanostructure-reinforced nanocomposites: is this a geometry-dependent process?. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23880-23892.	2.8	10
29744	Thermo Mechanical Properties of Carbon Nanotube Composites. , 2019, 23, 90-103.		2
29745	Effect of carbon nano-dots (CNDs) on structural and optical properties of PMMA polymer composite. <i>Results in Physics</i> , 2019, 15, 102776.	4.1	76
29746	Pharmacological and toxicological aspects of carbon nanotubes (CNTs) to vascular system: A review. <i>Toxicology and Applied Pharmacology</i> , 2019, 385, 114801.	2.8	50
29747	Bistability of Multiwalled Carbon Nanotubes Arranged on Plane Substrates. <i>Physics of the Solid State</i> , 2019, 61, 2241-2248.	0.6	8
29749	Characterization of functionalized multiwalled carbon nanotubes and comparison of their cellular toxicity between HEK 293 cells and zebra fish in vivo.. <i>Heliyon</i> , 2019, 5, e02605.	3.2	36
29750	The effective tensile and bending stiffness of nanotube fibers. <i>International Journal of Mechanical Sciences</i> , 2019, 163, 105089.	6.7	8
29751	Effect of defects on the motion of carbon nanotube thermal actuator. <i>Nanotechnology Reviews</i> , 2019, 8, 79-89.	5.8	18
29752	Compounds of carbon nanotubes decorated with silver nanoparticles via in-situ by chemical vapor deposition (CVD). <i>Journal of Materials Research and Technology</i> , 2019, 8, 5893-5898.	5.8	52
29753	Combinations of Antimicrobial Polymers with Nanomaterials and Bioactives to Improve Biocidal Therapies. <i>Polymers</i> , 2019, 11, 1789.	4.5	28
29755	Microstructure and oxidation resistance of a Tiâ€“Moâ€“Nbâ€“Alâ€“Si titanium matrix composite reinforced with in situ TiC prepared by powder metallurgy. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	2.3	6
29756	Thermal Properties of Composite Materials Based on the Powder Systems â€œCopperâ€“CNTsâ€“. <i>Journal of Engineering Physics and Thermophysics</i> , 2019, 92, 1267-1275.	0.6	4
29757	Critical parameters of high performance metal-insulator-metal nanocapacitors: A review. <i>Materials Research Express</i> , 2019, 6, 122003.	1.6	6
29758	A review on recent advancements in electrochemical biosensing using carbonaceous nanomaterials. <i>Mikrochimica Acta</i> , 2019, 186, 773.	5.0	103
29759	All-carbon hybrids for high-performance electronics, optoelectronics and energy storage. <i>Science China Information Sciences</i> , 2019, 62, 1.	4.3	6

#	ARTICLE	IF	CITATIONS
29760	3D Printed Tubulanes as Lightweight Hypervelocity Impact Resistant Structures. <i>Small</i> , 2019, 15, e1904747.	10.0	24
29761	A Review of Carbon-Based Materials for Safe Lithium Metal Anodes. <i>Frontiers in Chemistry</i> , 2019, 7, 721.	3.6	30
29763	Nanoengineering Materials for Biomedical Uses. , 2019, , .		2
29764	Role of Nitrogen on the Mechanical Properties of the Novel Carbon Nitride Nanothreads. <i>Journal of Physical Chemistry C</i> , 2019, 123, 28977-28984.	3.1	13
29765	An investigation of microstructural, magnetic and microwave absorption properties of multi-walled carbon nanotubes/Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ . <i>Scientific Reports</i> , 2019, 9, 15523.	3.3	29
29766	Long Time Field Emission of Pt/MWCNT Hybrid nanowire for Electron Gun. , 2019, , .		2
29767	Mod(n-m,3) Dependence of Defect-State Emission Bands in Aryl-Functionalized Carbon Nanotubes. <i>Nano Letters</i> , 2019, 19, 8503-8509.	9.1	22
29768	Investigation of stability and dynamic behavior of a carbon nanotube/epoxy composite strain sensor. , 2019, , .		1
29770	A Molecular Dynamics Study on Self-Assembly of Single-Walled Carbon Nanotubes: From Molecular Morphology and Binding Energy. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900983.	3.7	23
29771	Cooperative Self-Assembly of Pyridine-2,6-Diimine-Linked Macrocycles into Mechanically Robust Nanotubes. <i>Angewandte Chemie</i> , 2019, 131, 14850-14856.	2.0	4
29772	Carbon-based perovskite solar cells: From single-junction to modules. , 2019, 1, 109-123.		61
29773	Nano Indentation Hardness Testing Of PP-CNT Composites. <i>Materials Today: Proceedings</i> , 2019, 16, 1372-1377.	1.8	8
29774	The activation and hydrogen storage characteristics of the cup-stacked carbon nanotubes. <i>Diamond and Related Materials</i> , 2019, 100, 107567.	3.9	20
29775	Assessment of dynamic properties of hybrid ribbon reinforced multifunctional composite sandwich plates: Numerical and experimental investigation. <i>Thin-Walled Structures</i> , 2019, 145, 106365.	5.3	10
29776	Fabrication of tunnel barriers and single electron transistors in suspended multi-wall carbon nanotubes. <i>AIP Advances</i> , 2019, 9, 105015.	1.3	1
29777	Channeling of Protons through Radial Deformed Double Wall Carbon Nanotubes. <i>Atoms</i> , 2019, 7, 88.	1.6	3
29778	Laser-driven nanomaterials and laser-enabled nanofabrication for industrial applications. , 2019, , 181-203.		15
29779	Onset of Cattaneo-Christov Heat Flux and Thermal Stratification in Ethylene-Glycol Based Nanofluid Flow Containing Carbon Nanotubes in a Rotating Frame. <i>IEEE Access</i> , 2019, 7, 146190-146197.	4.2	20

#	ARTICLE	IF	CITATIONS
29780	A Simple and Fast Method for the Simultaneous Determination of Liquiritigenin and Liquiritin at DNA/Carboxyl MWCNTs Modified GCE. Journal of the Electrochemical Society, 2019, 166, H730-H735.	2.9	3
29783	Treating Polymicrobial Infections in Chronic Diabetic Wounds. Clinical Microbiology Reviews, 2019, 32, .	13.6	65
29784	Preparation of novel iron-loaded microfibers entrapped carbon-nanotube composites for catalytic wet peroxide oxidation of m-cresol in a fixed bed reactor. Separation and Purification Technology, 2019, 212, 405-415.	7.9	25
29785	The nano-revolution spawned by carbon. Nature, 2019, 575, 49-50.	27.8	14
29786	Thermodynamic properties of He/Ar/N ₂ /C/Ni/Co thermal plasmas used in carbon nanotube synthesis. Journal Physics D: Applied Physics, 2019, 52, 505502.	2.8	1
29787	Nonvolatile resistance switching in monolayer transition metal dichalcogenides: an explanation. Semiconductor Science and Technology, 2019, 34, 125004.	2.0	4
29788	Characterization of the structural instability of BxCyNz heteronanotubes via molecular dynamics simulations. Materials Research Express, 2019, 6, 105096.	1.6	6
29789	Tuning light transmission with smart fluids based on 1D carbon nanomaterials. Materials Research Express, 2019, 6, 115086.	1.6	1
29790	Nanofilter based on functionalized carbon nanostructures for the adsorption of pentachlorophenol molecules. Computational and Theoretical Chemistry, 2019, 1165, 112561.	2.5	10
29791	Survivability of carbon nanotubes in space. Acta Astronautica, 2019, 165, 129-138.	3.2	10
29792	DQEM analysis of free transverse vibration of rotating non-uniform nanobeams in the presence of cracks based on the nonlocal Timoshenko beam theory. SN Applied Sciences, 2019, 1, 1.	2.9	1
29793	Interplay between Conjugated Backbone Units and Side Alkyl Groups in Chirality Sensitive Interactions of Single Walled Carbon Nanotubes with Polyfluorenes. Journal of Physical Chemistry C, 2019, 123, 24807-24817.	3.1	2
29794	The Stability of Single-Walled Carbon Nanotube: Lyapunov Function for Probe Needle. , 2019, , .		2
29795	New Nanocarbon High-Energy Materials. Combustion, Explosion and Shock Waves, 2019, 55, 402-408.	0.8	10
29796	Defect dependence of electronic transport of multiwall carbon nanotube buckypaper filled with iron-based nanowires. Journal of Applied Physics, 2019, 126, 075105.	2.5	2
29797	Structural, elastic and electronic properties of new superhard orthorhombic C28. International Journal of Modern Physics B, 2019, 33, 1950227.	2.0	1
29798	Stack-coating of multishell carbon layers templated with carbon nanotubes. Materials Today Communications, 2019, 21, 100608.	1.9	5
29799	Synthesis of a photo-responsive single-walled nanoscroll and its photo-reactivity in a nano-layered microenvironment. Physical Chemistry Chemical Physics, 2019, 21, 21738-21745.	2.8	4

#	ARTICLE	IF	CITATIONS
29800	Synthesis of Carbon Nanotubes by Plasma-Enhanced Chemical Vapor Deposition Using Fe _{1-x} Mn _x O Nanoparticles as Catalysts: How Does the Catalytic Activity of Graphitization Affect the Yields and Morphology?. Journal of Carbon Research, 2019, 5, 46.	2.7	8
29801	The Synthesis, Structure, Morphology Characterizations and Evolution Mechanisms of Nanosized Titanium Carbides and Their Further Applications. Nanomaterials, 2019, 9, 1152.	4.1	54
29802	Rational design of tailored porous carbon-based materials for CO ₂ capture. Journal of Materials Chemistry A, 2019, 7, 20985-21003.	10.3	150
29803	Reverse battery model for anodic arc discharges near atmospheric pressure. Journal Physics D: Applied Physics, 2019, 52, 485201.	2.8	5
29804	Development of carbon nanotubes catalyst supported for alkaline fuel cell technology. Journal of Physics: Conference Series, 2019, 1234, 012006.	0.4	1
29805	Modelling of the plasma parameters of an arc discharge with sputtered composite metal-graphite anode. Journal of Physics: Conference Series, 2019, 1243, 012017.	0.4	0
29806	Assessing the Integration of Large-Scale Solar PV to a Nine-Bus Power System. IOP Conference Series: Earth and Environmental Science, 2019, 268, 012067.	0.3	1
29807	High yield growth of vertically aligned carbon nanostructure through low frequency induced plasma enhanced chemical vapour deposition. Plasma Research Express, 2019, 1, 035011.	0.9	0
29808	Electron-beam-induced uniform elongation of multi-walled carbon nanotube. SN Applied Sciences, 2019, 1, 1.	2.9	1
29809	Carbon Nanotube Assembly and Integration for Applications. Nanoscale Research Letters, 2019, 14, 220.	5.7	199
29810	Uniformly dispersed nano-Al ₂ O ₃ particles reinforced copper matrix by chemical coprecipitation method. Ferroelectrics, 2019, 546, 129-136.	0.6	5
29811	Customizable Ceramic Nanocomposites Using Carbon Nanotubes. Molecules, 2019, 24, 3176.	3.8	5
29812	A novel polyoxometalate-based metal-organic nanotube framework templated by twin-Dawson clusters: synthesis, structure and bifunctional electrocatalytic properties. New Journal of Chemistry, 2019, 43, 15804-15810.	2.8	9
29813	Electrical Resistance Prediction for Functionalized Multi-Walled Carbon Nanotubes/Epoxy Resin Composite Gasket under Thermal Creep Conditions. Materials, 2019, 12, 2704.	2.9	3
29814	An Overview of the Recent Developments in Metal Matrix Nanocomposites Reinforced by Graphene. Materials, 2019, 12, 2823.	2.9	61
29815	Indium-Free Amorphous Ca-Al-O Thin Film as a Transparent Conducting Oxide. Chemistry of Materials, 2019, 31, 8019-8025.	6.7	9
29816	Carbon nanotubes synthesis using thermal chemical vapor deposition method: A comparison between commercial ethanol and fermented tapioca. AIP Conference Proceedings, 2019, , .	0.4	0
29817	Usage of nanoparticles as adsorbents for waste water treatment: An emerging trend. Sustainable Materials and Technologies, 2019, 22, e00128.	3.3	74

#	ARTICLE	IF	CITATIONS
29818	Graphene-based sensors of NO ₂ , H ₂ , acetone, and other gases/vapors: State of the art and realistic outlook. AIP Conference Proceedings, 2019, , .	0.4	0
29819	Investigation of Electrochemical Oxidation Mechanism, Thermodynamic Parameters and Sensor Design for Analgesic and Relaxant Drug: Phenyramidol in Aqueous Medium by NH ₂ ² /i>MWCNT. Journal of the Electrochemical Society, 2019, 166, B1209-B1216.	2.9	5
29820	Theranostic Nanostructures for Ovarian Cancer. Critical Reviews in Therapeutic Drug Carrier Systems, 2019, 36, 305-371.	2.2	5
29821	Electronic, Electrical, and Magnetic Behavioral Change of SiO ₂ -NP-Decorated MWCNTs. ACS Omega, 2019, 4, 14589-14598.	3.5	8
29822	Effect of magnetic field on the synthesis of carbon nanotubes using MPECVD. MATEC Web of Conferences, 2019, 268, 05004.	0.2	0
29823	Transparent carbon nanotube electrodes for electric cell-substrate impedance sensing. MRS Communications, 2019, 9, 1292-1299.	1.8	0
29824	S-Layer Protein Coated Carbon Nanotubes. Coatings, 2019, 9, 492.	2.6	8
29825	First-principles calculations for Li, P dopants and vacancy defect in ultra-thin hydrogenated diamond nanofilms: Structural, electronic and optical properties. Diamond and Related Materials, 2019, 99, 107526.	3.9	14
29826	Review on Smart Gas Sensing Technology. Sensors, 2019, 19, 3760.	3.8	187
29827	Carbon Dioxide Confined between Two Charged Single Layers of Graphene: Molecular Dynamics Studies. Journal of Physical Chemistry C, 2019, 123, 23705-23710.	3.1	3
29828	Potential of Raman spectroscopy towards understanding structures of carbon-based materials and perovskites. Emergent Materials, 2019, 2, 417-439.	5.7	27
29829	InÂvivo investigation of pesticide residues in garlic using solid phase microextraction-gas chromatography-mass spectrometry. Analytica Chimica Acta, 2019, 1090, 72-81.	5.4	27
29830	Poly(Ionic Liquid)-Derived Graphitic Nanoporous Carbon Membrane Enables Superior Supercapacitive Energy Storage. ACS Nano, 2019, 13, 10261-10271.	14.6	46
29831	Stability and tunable electronic structure of planar phosphorus nanotubes. AIP Conference Proceedings, 2019, , .	0.4	0
29832	Encapsulation efficiency of single-walled carbon nanotube for Ifosfamide anti-cancer drug. Computers in Biology and Medicine, 2019, 114, 103433.	7.0	47
29833	Understanding and control of interactions between carbon nanotubes and polymers for manufacturing of high-performance composite materials. Composites Science and Technology, 2019, 183, 107795.	7.8	54
29834	Topologically Unique Molecular Nanocarbons. Accounts of Chemical Research, 2019, 52, 2760-2767.	15.6	102
29835	An atomic-scale view of cyclocarbon synthesis. Science, 2019, 365, 1245-1246.	12.6	9

#	ARTICLE	IF	CITATIONS
29836	Carbon-Based Nanomaterials in Sensors for Food Safety. <i>Nanomaterials</i> , 2019, 9, 1330.	4.1	59
29837	Highly dispersed platinum supported catalysts – Effect of properties on the electrocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2019, 259, 118050.	20.2	32
29838	Thermosetting CFRP interlaminar toughening with multi-layers graphene and MWCNTs under mode I fracture. <i>Composites Science and Technology</i> , 2019, 183, 107829.	7.8	46
29839	Physical and Microstructure Properties of Geopolymer Nanocomposite Reinforced with Carbon Nanotubes. <i>Materials Today: Proceedings</i> , 2019, 17, 1682-1692.	1.8	28
29840	MWCNT in PEG-400 nanofluids for thermal applications: A chemical, physical and thermal approach. <i>Journal of Molecular Liquids</i> , 2019, 294, 111616.	4.9	37
29841	Orthorhombic C10: A new superdense carbon allotrope. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 125861.	2.1	10
29842	The effect of cations on gelation of cross-linked polymers. <i>Petroleum Exploration and Development</i> , 2019, 46, 826-832.	7.0	7
29843	Fabrication of renewable resource based hyperbranched epoxy nanocomposites with MWCNT-polyaniline nanofiber-carbon dot nanohybrid as tough anticorrosive materials. <i>EXPRESS Polymer Letters</i> , 2019, 13, 959-973.	2.1	3
29844	Wear and Friction Properties of Epoxy- Polyamide Blend Nanocomposites Reinforced by MWCNTs. <i>Energy Procedia</i> , 2019, 157, 1561-1567.	1.8	8
29845	Highly stable symmetric supercapacitor from cysteamine functionalized multi-walled carbon nanotubes operating in a wide potential window. <i>Materials Today: Proceedings</i> , 2019, 16, 2273-2279.	1.8	12
29846	Oxidative Treatment of Multi-Walled Carbon Nanotubes and its Effect on the Mechanical and Electrical Properties of Green Epoxy based Nano-Composites. <i>Procedia Structural Integrity</i> , 2019, 17, 857-864.	0.8	2
29847	Polysiloxane-Multiwalled Carbon Nanotube Layers on Steel Substrate: Microstructural, Structural and Electrochemical Studies. <i>Journal of the Electrochemical Society</i> , 2019, 166, D707-D717.	2.9	8
29848	Morphology-sensitive photoluminescent properties of YVO4:Ln3+ (Ln3+ = Eu3+, Sm3+, Dy3+, Tm3+) hierarchitectures. <i>Journal of Luminescence</i> , 2019, 215, 116624.	3.1	2
29849	Impact of pyrolytic carbonaceous nano inerts addition on fracture and electromagnetic interference shielding characteristics of cementitious composites. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 103, 102320.	4.7	20
29850	Rhomboidal C4C8 toris which are Cayley graphs. <i>Discrete Mathematics, Algorithms and Applications</i> , 2019, 11, 1950033.	0.6	1
29851	Ultra-long ZnO/carbon nanofiber as free-standing electrochemical sensor for dopamine in the presence of uric acid. <i>Journal of Materials Science</i> , 2019, 54, 14897-14904.	3.7	17
29852	Nonlinear vibrations of single- and double-walled carbon nanotubes resting on two-parameter foundation in a magneto-thermal environment. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	2
29853	Organometal-catalyzed synthesis of high molecular weight poly-(l-lactic acid) with a covalently attached imidazolium salt: performance-enhanced reduced graphene oxide – PLLA biomaterials. <i>New Journal of Chemistry</i> , 2019, 43, 16367-16373.	2.8	6

#	ARTICLE	IF	CITATIONS
29854	Study of the pore structure and size effects on the electrochemical capacitor behaviors of porous carbon/quinone derivative hybrids. RSC Advances, 2019, 9, 27602-27614.	3.6	21
29855	Estimation of the Thermal Expansion Coefficient of Graphene in the Temperature Range of 100â€“700Â°K. Journal of Contemporary Physics, 2019, 54, 302-307.	0.6	1
29856	Tuning the properties of CVD-grown multiwalled carbon nanotubes by ex situ codoping with boron and nitrogen heteroatoms. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	5
29857	Polyacrylonitrile/liquid crystalline graphene oxide composite fibers â€“ Towards high performance carbon fiber precursors. Composites Science and Technology, 2019, 182, 107781.	7.8	25
29858	Darcyâ€“Forchheimer Radiative Flow of Micropolar CNT Nanofluid in Rotating Frame with Convective Heat Generation/Consumption. Processes, 2019, 7, 666.	2.8	21
29859	Effect of Sn-Decorated MWCNTs on the Mechanical Reliability of Snâ€“58Bi Solder. Electronic Materials Letters, 2019, 15, 693-701.	2.2	13
29860	Preparation and Characterization of Polydopamine-Modified Ni/Carbon Nanotubes Friction Composite Coating. Coatings, 2019, 9, 596.	2.6	6
29861	Highly Sensitive Temperature and Humidity Sensor Based on Carbon Nanotube-Assisted Mismatched Single-Mode Fiber Structure. Micromachines, 2019, 10, 521.	2.9	10
29862	Multi-Parametric Study of the Viability of <i>in Vitro</i> Skin Cancer Cells Exposed to Nanosecond Pulsed Electric Fields Combined With Multi-Walled Carbon Nanotubes. Technology in Cancer Research and Treatment, 2019, 18, 153303381987691.	1.9	6
29863	Residual Gas Adsorption and Desorption in the Field Emission of Titanium-Coated Carbon Nanotubes. Materials, 2019, 12, 2937.	2.9	6
29864	Theoretical prediction of a novel aluminum nitride nanostructure: Atomistic exposure. Ceramics International, 2019, 45, 23690-23693.	4.8	3
29865	Effect of Hybrid MWCNTs/Graphene on Mechanical Properties of Reinforced Unidirectional E-Glass/Epoxy Composite. Materials Today: Proceedings, 2019, 18, 1540-1547.	1.8	3
29866	Nanostructures serve as adsorbents for the selective separation/enrichment of proteins. TrAC - Trends in Analytical Chemistry, 2019, 120, 115650.	11.4	23
29867	Bending, buckling and free vibration of nonlocal FG-carbon nanotube-reinforced composite nanobeams: exact solutions. SN Applied Sciences, 2019, 1, 1.	2.9	31
29868	Pt doped (8,0) single wall carbon nanotube as hydrogen sensor: A density functional theory study. International Journal of Hydrogen Energy, 2019, 44, 27010-27021.	7.1	41
29869	Highly Surface Active Phosphorus-Doped Onion-Like Carbon Nanostructures: Ultrasensitive, Fully Reversible, and Portable NH₃ Gas Sensors. ACS Applied Electronic Materials, 2019, 1, 2208-2219.	4.3	8
29870	Molecular Dynamics Simulation of Polymer-Matrix Composites Using BIOVIA Materials Studio, LAMMPS, and GROMACS. , 2019, , 141-225.		0
29871	Molecular Dynamics Simulation of Ceramic Matrix Composites Using BIOVIA Materials Studio, LAMMPS, and GROMACS. , 2019, , 227-258.		1

#	ARTICLE	IF	CITATIONS
29872	The adsorption of acidic gaseous pollutants on metal and nonmetallic surface studied by first-principles calculation: A review. Chinese Chemical Letters, 2019, 30, 2123-2131.	9.0	17
29873	Spectroscopic Study of Large-Scale Synthesized, Nitrogen-doped carbon Nanotubes using Spray Pyrolysis Technique. Materials Today: Proceedings, 2019, 12, 590-595.	1.8	2
29874	Design of a pH-Responsive Conductive Nanocomposite Based on MWCNTs Stabilized in Water by Amphiphilic Block Copolymers. Nanomaterials, 2019, 9, 1410.	4.1	8
29875	A Simple Method for Anchoring Silver and Copper Nanoparticles on Single Wall Carbon Nanotubes. Nanomaterials, 2019, 9, 1416.	4.1	10
29876	Creating and Seeing the First Pure Carbon Ring. Matter, 2019, 1, 1116-1118.	10.0	6
29877	Hall and Ion-Slip Effect on CNTs Nanofluid over a Porous Extending Surface through Heat Generation and Absorption. Entropy, 2019, 21, 801.	2.2	22
29878	Physical shortcut accelerating electron transport of rechargeable zinc-air battery. Materials Today Energy, 2019, 14, 100340.	4.7	12
29879	Carbon nanotube/graphene composites as thermal interface materials for electronic devices. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 907-913.	2.1	4
29880	Vibration Analysis of Functionally Graded Graphene Reinforced Porous Nanocomposite Shells. International Journal of Applied Mechanics, 2019, 11, 1950068.	2.2	31
29881	Carboxylated Multiwalled Carbon Nanotubes as Dispersive Solid-Phase Extraction Sorbent to Determine Eighteen Polychlorinated Biphenyls in Vegetable Samples by Gas Chromatography-Mass Spectrometry. Journal of Analytical Methods in Chemistry, 2019, 2019, 1-10.	1.6	6
29882	Production of C/SiC Nanotubes by Arc Plasma Treatment. Materials Today: Proceedings, 2019, 18, 575-581.	1.8	2
29883	Magnetic restricted access carbon nanotubes for smooth Cu and Zn extraction from Cu, Zn-superoxide dismutase. SN Applied Sciences, 2019, 1, 1.	2.9	4
29884	One-step hydrothermal synthesis of down/up-conversion luminescence F-doped carbon quantum dots for label-free detection of Fe ³⁺ . Microchemical Journal, 2019, 151, 104217.	4.5	36
29885	Recent advances in emerging nanomaterials based food sample pretreatment methods for food safety screening. TrAC - Trends in Analytical Chemistry, 2019, 121, 115669.	11.4	54
29886	Biodegradation of Carbon Nanotubes by Macrophages. Frontiers in Materials, 2019, 6, .	2.4	50
29887	Carbon nanotube functionalization as a route to enhancing the electrical and mechanical properties of Cu@CNT composites. Nanoscale, 2019, 11, 145-157.	5.6	50
29888	Impact of thermal radiation on electrical MHD rotating flow of Carbon nanotubes over a stretching sheet. AIP Advances, 2019, 9, .	1.3	77
29889	Nanomaterials in Drug Delivery System. , 2019, , 233-248.		0

#	ARTICLE	IF	CITATIONS
29890	Nanotechnology in Renewable Energy: Critical Reviews for Wind Energy. , 2019, , 49-71.		3
29891	Nanocarbon: Preparation, properties, and applications. , 2019, , 327-354.		5
29892	Effect of water content on the piezoresistive property of smart cement-based materials with carbon nanotube/nanocarbon black composite filler. Composites Part A: Applied Science and Manufacturing, 2019, 119, 8-20.	7.6	82
29893	Microstructure and properties of carbon nanotubes-reinforced magnesium matrix composites fabricated via novel in situ synthesis process. Journal of Alloys and Compounds, 2019, 785, 146-155.	5.5	35
29894	Conductive diamond: synthesis, properties, and electrochemical applications. Chemical Society Reviews, 2019, 48, 157-204.	38.1	333
29895	Mapping the dynamics of methanol and xenon co-adsorption in SWNTs by <i>in situ</i> continuous-flow hyperpolarized ¹²⁹ Xe NMR. Physical Chemistry Chemical Physics, 2019, 21, 3287-3293.	2.8	4
29896	Polyacrylonitrile nanocomposite with carbon nanostructures: a review. Polymer-Plastics Technology and Materials, 2019, 58, 707-731.	1.3	5
29897	Stone-Wales graphene: A two-dimensional carbon semimetal with magic stability. Physical Review B, 2019, 99, .	3.2	95
29898	Properties of Carbon Nanotube Loop Antennas in Transmitting and Receiving Mode. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 462-466.	4.0	1
29899	Recent advances in the use of carbon nanotubes as smart biomaterials. Journal of Materials Chemistry B, 2019, 7, 1343-1360.	5.8	81
29900	Synthesis of carbon nanotubes on metal mesh in inverse diffusion biofuel flames. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 77-86.	2.1	6
29901	Non-Covalent Functionalization of Carbon Nanotubes for Electrochemical Biosensor Development. Sensors, 2019, 19, 392.	3.8	204
29902	Graphynes for Water Desalination and Gas Separation. Advanced Materials, 2019, 31, e1803772.	21.0	75
29903	Soy Oil-Based Rigid Polyurethane Biofoams Obtained by a Facile One-Pot Process and Reinforced with Hydroxyl-Functionalized Multiwalled Carbon Nanotube. JAOCS, Journal of the American Oil Chemists' Society, 2019, 96, 319-328.	1.9	8
29904	Structural, electronic and mechanical properties of single-walled AlN and GaN nanotubes via DFT/B3LYP. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	33
29905	Chemical reactivity and adsorption properties of pro-carbazine anti-cancer drug on gallium-doped nanotubes: a quantum chemical study. Journal of Molecular Modeling, 2019, 25, 46.	1.8	9
29906	Electrochemical sensing of 2-methyl-4, 6-dinitrophenol by nanomagnetic core shell linked to carbon nanotube modified glassy carbon electrode. Materials Science and Engineering C, 2019, 99, 211-221.	7.3	9
29907	Microstructure and mechanical properties of ABO _w and nickel-coated MWCNTs reinforced 2024Al hybrid composite fabricated by squeeze casting. Materials Chemistry and Physics, 2019, 226, 344-349.	4.0	19

#	ARTICLE	IF	CITATIONS
29908	Recent developments in carbon nanomaterial-enabled electrochemical sensors for nitrite detection. TrAC - Trends in Analytical Chemistry, 2019, 113, 1-12.	11.4	158
29909	Facile Single-Step Fabrication of Robust Superhydrophobic Carbon Nanotube Films on Different Porous Supports. Industrial & Engineering Chemistry Research, 2019, 58, 2976-2982.	3.7	8
29910	Influence of Stainless-Steel Catalyst Substrate Type and Pretreatment on Growing Carbon Nanotubes from Waste Postconsumer Plastics. Industrial & Engineering Chemistry Research, 2019, 58, 3009-3023.	3.7	33
29911	Effect of fuel structure on synthesis of carbon nanotubes in diffusion flames. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 265-272.	2.1	14
29912	Adsorption of Th(IV) on the modified multi-walled carbon nanotubes using central composite design. Radiochimica Acta, 2019, 107, 377-386.	1.2	5
29913	Mechanical properties and oxidation resistance of phenolic formaldehyde interlocking CNTs-Cf/SiC composite. Ceramics International, 2019, 45, 9099-9105.	4.8	9
29914	Assessment of PCL/carbon material scaffolds for bone regeneration. Journal of the Mechanical Behavior of Biomedical Materials, 2019, 93, 52-60.	3.1	53
29915	Emerging natural and tailored materials for uranium-contaminated water treatment and environmental remediation. Progress in Materials Science, 2019, 103, 180-234.	32.8	382
29916	Darcy Forchheimer nanofluid thin film flow of SWCNTs and heat transfer analysis over an unsteady stretching sheet. AIP Advances, 2019, 9, .	1.3	63
29917	Advances in Nano Neuroscience: From Nanomaterials to Nanotools. Frontiers in Neuroscience, 2018, 12, 953.	2.8	46
29918	Ternary N, S, and P-Doped Hollow Carbon Spheres Derived from Polyphosphazene as Pd Supports for Ethanol Oxidation Reaction. Catalysts, 2019, 9, 114.	3.5	16
29919	Carbon Nanotube-phenolic Resin Composite Electrode Fabricated by Far Infrared-assisted Crosslinking for Enhanced Amperometric Detection. Electroanalysis, 2019, 31, 756-765.	2.9	8
29920	Organic polymer-based monolithic capillary columns and their applications in food analysis. Journal of Separation Science, 2019, 42, 962-979.	2.5	18
29921	Influence of twin boundaries on the photocurrent decay of nanobranched and dense-forest structured SnO ₂ UV photodetectors. Superlattices and Microstructures, 2019, 128, 181-198.	3.1	22
29922	Performances of an epoxy-amine network after introducing the MWCNTs: rheology, thermal and electrical conductivity, mechanical properties. Journal of Adhesion Science and Technology, 2019, 33, 382-394.	2.6	4
29923	In situ Al ₄ C ₃ nanorods and carbon nanotubes hybrid-reinforced aluminum matrix composites prepared by a novel two-step ball milling. Journal of Materials Research, 2019, 34, 1248-1257.	2.6	11
29924	Size-Dependent Critical Temperature and Anomalous Optical Dispersion in Ferromagnetic CrI ₃ Nanotubes. Nanomaterials, 2019, 9, 153.	4.1	5
29925	Cation Redistribution along the Spiral of Ni-Doped Phyllosilicate Nanoscrolls: Energy Modelling and STEM/EDS Study. ChemPhysChem, 2019, 20, 719-726.	2.1	11

#	ARTICLE	IF	CITATIONS
29926	Study on Burning and Thermal Decomposition Properties of HTPB Propellant Containing Synthesized Micro-nano Ferric Perfluorooctanoate. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 362-368.	1.6	5
29927	Flash Sintering Samaria-Doped Ceriaâ€“Carbon Nanotube Composites. <i>Ceramics</i> , 2019, 2, 64-73.	2.6	17
29928	CNF-Functionalization as Versatile Tool for Tuning Activity in Cellulose-Derived Product Hydrogenation. <i>Molecules</i> , 2019, 24, 316.	3.8	7
29929	Glucose Oxidase Immobilized on a Functional Polymer Modified Glassy Carbon Electrode and Its Molecule Recognition of Glucose. <i>Polymers</i> , 2019, 11, 115.	4.5	13
29930	The effect of gate mesh electrode strain on performance of cold cathode electron beam. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 025001.	1.5	0
29931	Optimization of Triton X-100 removal and ultrasound probe parameters in the preparation of multiwalled carbon nanotube buckypaper. <i>Materials and Design</i> , 2019, 166, 107612.	7.0	51
29932	Autogenous Shrinkage, Microstructure, and Strength of Ultra-High Performance Concrete Incorporating Carbon Nanofibers. <i>Materials</i> , 2019, 12, 320.	2.9	30
29933	Online Characterization of Single Airborne Carbon Nanotube Particles Using Optical Trapping Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2019, 73, 910-916.	2.2	10
29934	Biocompatibility Characteristics of Titanium Coated with Multi Walled Carbon Nanotubesâ€“Hydroxyapatite Nanocomposites. <i>Materials</i> , 2019, 12, 224.	2.9	19
29935	Conductive Polymer Composites from Renewable Resources: An Overview of Preparation, Properties, and Applications. <i>Polymers</i> , 2019, 11, 187.	4.5	97
29936	Carbonâ€“Nanomaterialâ€“Based Flexible Batteries for Wearable Electronics. <i>Advanced Materials</i> , 2019, 31, e1800716.	21.0	228
29937	Selection of iron precursor for preparation of 3D-solids of hydrophobic composites with γ -alumina and carbon nanostructured materials. <i>Journal of Cleaner Production</i> , 2019, 214, 290-297.	9.3	4
29938	Advances in carbon nanomaterials as lubricants modifiers. <i>Journal of Molecular Liquids</i> , 2019, 279, 251-266.	4.9	155
29939	Performance Assessment of a New Radiation Dosimeter Based on Carbon Nanotube Field-Effect Transistor: A Quantum Simulation Study. <i>IEEE Sensors Journal</i> , 2019, 19, 3314-3321.	4.7	31
29940	Study on Lightweight and Strengthening Effect of Carbon Nanotube in Highly Ordered Nanoporous Nickel: A Molecular Dynamics Study. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 352.	2.5	2
29941	Suppressing Non-Specific Binding of Proteins onto Electrode Surfaces in the Development of Electrochemical Immunosensors. <i>Biosensors</i> , 2019, 9, 15.	4.7	76
29942	Carbon Nanotubes Enhance the Radiation Resistance of bcc Iron Revealed by Atomistic Study. <i>Materials</i> , 2019, 12, 217.	2.9	10
29943	Improving interfacial and mechanical properties of carbon nanotube-sized carbon fiber/epoxy composites. <i>Carbon</i> , 2019, 145, 629-639.	10.3	130

#	ARTICLE	IF	CITATIONS
29944	The effects of anionic surfactant on the mechanical, thermal, structure and morphological properties of epoxyâ€“MWCNT composites. <i>Polymer Bulletin</i> , 2019, 76, 5919-5938.	3.3	15
29945	An isogeometric BÄ©zier finite element analysis for piezoelectric FG porous plates reinforced by graphene platelets. <i>Composite Structures</i> , 2019, 214, 227-245.	5.8	81
29946	Utilization of nanomaterials for in-situ remediation of heavy metal(loid) contaminated sediments: A review. <i>Science of the Total Environment</i> , 2019, 662, 205-217.	8.0	139
29947	Highly Crystalline Single-Walled Carbon Nanotube Field Emitters: Energy-Loss-Free High Current Output and Long Durability with High Power. <i>ACS Applied Electronic Materials</i> , 2019, 1, 163-171.	4.3	17
29948	Stimuli-responsive carbon nanotubes for targeted drug delivery. , 2019, , 321-344.		17
29949	Effects of multi walled carbon nanotubes shape and size on thermal conductivity and viscosity of nanofluids. <i>Diamond and Related Materials</i> , 2019, 93, 96-104.	3.9	96
29950	A review on graphene based nanofluids: Preparation, characterization and applications. <i>Journal of Molecular Liquids</i> , 2019, 279, 444-484.	4.9	144
29951	Effects of Carbon Nanotube and Carbon Sphere Templates in TiO ₂ Composites for Photocatalytic Hydrogen Production. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 2770-2783.	3.7	30
29952	Effects of adding CNTs on the thermo-mechanical characteristics of hybrid titanium nanocomposites. <i>Mechanics of Materials</i> , 2019, 131, 121-135.	3.2	31
29953	NURBS-based postbuckling analysis of functionally graded carbon nanotube-reinforced composite shells. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 347, 983-1003.	6.6	118
29954	Optical properties of semiconducting zigzag carbon nanotubes with and without defects. <i>Journal of Chemical Physics</i> , 2019, 150, 024701.	3.0	4
29955	Doping engineering of thermoelectric transport in BNC heteronanotubes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1904-1911.	2.8	10
29956	A single boron atom doped boron nitride edge as a metal-free catalyst for N ₂ fixation. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1110-1116.	2.8	107
29957	Molecular evidence for feedstock-dependent nucleation mechanisms of CNTs. <i>Nanoscale Horizons</i> , 2019, 4, 674-682.	8.0	11
29958	A novel copper(±) phthalocyanine-modified multiwalled carbon nanotube-based electrode for sensitive electrochemical detection of bisphenol A. <i>New Journal of Chemistry</i> , 2019, 43, 85-92.	2.8	69
29959	Function-driven engineering of 1D carbon nanotubes and 0D carbon dots: mechanism, properties and applications. <i>Nanoscale</i> , 2019, 11, 1475-1504.	5.6	134
29960	Extremely high tensile strength and superior thermal conductivity of an sp ³ -hybridized superhard C ₂₄ fullerene crystal. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3426-3431.	10.3	8
29961	Applying Aluminumâ€“Vertically-Aligned Carbon Nanotube Forests Composites for Heat Dissipation. <i>Nanomaterials</i> , 2019, 9, 758.	4.1	8

#	ARTICLE	IF	CITATIONS
29963	Group 8B transition metal-doped (5,5) boron nitride nanotubes for NH ₃ storage and sensing: a theoretical investigation. Monatshefte für Chemie, 2019, 150, 1011-1018.	1.8	9
29964	Effects of surface passivation by hydrogen on the structural and electronic properties of a germanium nanowire: A sp ³ tight binding study. Applied Surface Science, 2019, 488, 404-417.	6.1	10
29965	The Advances in Biomedical Applications of Carbon Nanotubes. Journal of Carbon Research, 2019, 5, 29.	2.7	65
29966	Chemical Nanosensors in Pharmaceutical Analysis. , 2019, , 141-170.		5
29967	Synergistic effect of polydopamine/polyethylenimine copolymer coating on graphene oxide for EVA nanocomposites and high-performance triboelectric nanogenerators. Nanoscale Advances, 2019, 1, 2444-2453.	4.6	19
29968	Effect of carbon nanotube addition on molecular orientation of polyethylene. AIP Conference Proceedings, 2019, , .	0.4	0
29969	Synthesis of Tridimensional Ensembles of Carbon Nanotubes. NATO Science for Peace and Security Series A: Chemistry and Biology, 2019, , 115-144.	0.5	0
29970	An easy synthesis of Ni-Co doped hollow C-N tubular nanocomposites as excellent cathodic catalysts of alkaline and neutral zinc-air batteries. Science China Materials, 2019, 62, 1251-1264.	6.3	37
29971	Dispersion of Boron Nitride Nanotubes by Pluronic Triblock Copolymer in Aqueous Solution. Polymers, 2019, 11, 582.	4.5	7
29972	Low-Temperature Growth of Carbon Nanotubes Catalyzed by Sodium-Based Ingredients. Angewandte Chemie, 2019, 131, 9302-9307.	2.0	2
29973	Low-Temperature Growth of Carbon Nanotubes Catalyzed by Sodium-Based Ingredients. Angewandte Chemie - International Edition, 2019, 58, 9204-9209.	13.8	25
29974	Theoretical study on the electronic structure nature of single and double walled carbon nanotubes and its role on the electron transport. International Journal of Quantum Chemistry, 2019, 119, e25974.	2.0	3
29975	Urea-bridging synthesis of nitrogen-doped carbon tube supported single metallic atoms as bifunctional oxygen electrocatalyst for zinc-air battery. Applied Catalysis B: Environmental, 2019, 256, 117778.	20.2	60
29976	Selective synthesis of metallic and semi-conducting single-walled carbon nanotube by floating catalyst chemical vapour deposition. Diamond and Related Materials, 2019, 97, 107432.	3.9	12
29977	Exchange coupling in a frustrated trimetric molecular magnet reversed by a 1D nano-confinement. Nanoscale, 2019, 11, 10615-10621.	5.6	19
29978	Diameter-Dependent Degradation of 11 Types of Carbon Nanotubes: Safety Implications. ACS Applied Nano Materials, 2019, 2, 4293-4301.	5.0	26
29979	Metal-catalyst-free access to multiwalled carbon nanotubes/silica nanocomposites (MWCNT/SiO ₂) from a single-source precursor. Dalton Transactions, 2019, 48, 11018-11033.	3.3	11
29980	Stretchable Transparent Conductors: from Micro/Macromechanics to Applications. Advanced Materials, 2019, 31, e1900756.	21.0	52

#	ARTICLE	IF	CITATIONS
29981	Carbon nanotube-based lateral flow immunoassay for ultrasensitive detection of proteins: application to the determination of IgG. <i>Mikrochimica Acta</i> , 2019, 186, 436.	5.0	26
29982	In-situ growth of carbon nanotubes on Ni/NiO nanofibers as efficient hydrogen evolution reaction catalysts in alkaline media. <i>Applied Surface Science</i> , 2019, 491, 294-300.	6.1	37
29983	Water Confined in Hydrophobic Cup-Stacked Carbon Nanotubes beyond Surface-Tension Dominance. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3744-3749.	4.6	17
29984	Synthesis and Antibacterial Activities of Novel Hg(II) and Zn(II) Complexes of Bis(Thiosemicarbazone) Acenaphthenequinone Loaded to MWCNTs. <i>Journal of Structural Chemistry</i> , 2019, 60, 845-853.	1.0	9
29985	Dual-chirality GAA-CNTFET-based SCPF-TCAM cell design for low power and high performance. <i>Journal of Computational Electronics</i> , 2019, 18, 1045-1054.	2.5	3
29986	Functionalization of carbon nanotubes with chitosan based on MALI multicomponent reaction for Cu ²⁺ removal. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 476-485.	7.5	126
29987	Exfoliated Molybdenum Disulfide as a Platform for Carbon Nanotube Growth—Properties and Characterization. <i>ACS Omega</i> , 2019, 4, 10225-10230.	3.5	2
29988	Chirality dependent mechanical properties of carbon nano-structures. <i>Materials Research Express</i> , 2019, 6, 095018.	1.6	6
29989	Micromechanical modelling of carbon nanotube reinforced composite materials with a functionally graded interphase. <i>Journal of Composite Materials</i> , 2019, 53, 4337-4348.	2.4	7
29990	Review on the Electrical Resistance/Conductivity of Carbon Fiber Reinforced Polymer. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2390.	2.5	84
29991	Microwave-assisted ionic liquid-based micelle extraction combined with trace-fluorinated carbon nanotubes in dispersive micro-solid-phase extraction to determine three sesquiterpenes in roots of <i>Curcuma wenyujin</i> . <i>Phytochemical Analysis</i> , 2019, 30, 700-709.	2.4	6
29992	Hydrogen Desorption from Pentagraphane. <i>Semiconductors</i> , 2019, 53, 717-721.	0.5	7
29994	Introduction to nanomaterials: synthesis and applications. , 2019, , 75-95.		50
29995	Nanomaterials for Desalination. , 2019, , 227-262.		2
29996	Photocatalysis and Photodegradation of Pollutants. , 2019, , 449-488.		6
29997	Bioconjugation of Different Nanosurfaces With Biorecognition Molecules for the Development of Selective Nanosensor Platforms. , 2019, , 79-94.		2
29998	A superhard orthorhombic carbon with all six-membered-ring in sp ³ bonding networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2809-2812.	2.1	19
29999	Dynamic Behavior of C 60 Fullerene in Carbon Nanopeapods: Tight-Binding Molecular Dynamics Simulation. <i>Bulletin of the Korean Chemical Society</i> , 2019, 40, 724-728.	1.9	5

#	ARTICLE	IF	CITATIONS
30000	Mechanics of Strong and Tough Cellulose Nanopaper. Applied Mechanics Reviews, 2019, 71, .	10.1	74
30001	Enhanced SO ₂ sensing characteristics of multi-wall carbon nanotubes based mass-type sensor using two-step purification process. Sensors and Actuators A: Physical, 2019, 295, 696-702.	4.1	23
30002	Application of a simple and highly efficient nanoparticle surface modification method to single-walled carbon nanotubes and formation of an interfacial organized film. Thin Solid Films, 2019, 685, 168-179.	1.8	18
30003	Thermoelectric properties of single-wall carbon nanotube networks. Japanese Journal of Applied Physics, 2019, 58, 075003.	1.5	6
30004	Nanofiber Technologies: History and Development. , 2019, , 3-43.		6
30005	Functionalized Advanced Hybrid Materials for Biosensing Applications. , 2019, , 171-207.		12
30006	Investigation for electro-thermo-mechanical vibration of nanocomposite cylindrical shells with an internal fluid flow. Aerospace Science and Technology, 2019, 92, 501-519.	4.8	34
30007	Electrical and mechanical properties of CNT/CB dual filler conductive adhesives (DFCAs) for automotive multi-material joints. Composite Structures, 2019, 225, 111183.	5.8	16
30008	Mode-II toughness of nanostitched carbon/epoxy multiwall carbon nanotubes prepreg composites: Experimental investigation by using end notched flexure. Journal of Composite Materials, 2019, 53, 4249-4271.	2.4	14
30009	Perspectives in Liquid-Crystal-Aided Nanotechnology and Nanoscience. Applied Sciences (Switzerland), 2019, 9, 2512.	2.5	95
30010	Recent Advances in Nanostructured Polymer Composites for Biomedical Applications. , 2019, , 21-52.		4
30011	Carboneyane: A nodal line topological carbon with sp^2 - sp^3 chemical bonds. Carbon, 2019, 152, 909-914.	10.3	13
30012	Modified MHD Radiative Mixed Convective Nanofluid Flow Model with Consideration of the Impact of Freezing Temperature and Molecular Diameter. Symmetry, 2019, 11, 833.	2.2	11
30013	Stealth technology: Methods and composite materials—A review. Polymer Composites, 2019, 40, 4457-4472.	4.6	74
30014	Role of inter-tube corrugation in the dynamic sliding friction of concentric carbon nanotubes: Implications for nanomechanical oscillator devices. Extreme Mechanics Letters, 2019, 30, 100508.	4.1	4
30015	Advanced Characterization Methods for Electrical and Sensoric Components and Devices at the Micro and Nano Scales. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900106.	1.8	4
30016	An approach using highly sensitive carbon nanotube adhesive films for crack growth detection under flexural load in composite structures. Composite Structures, 2019, 224, 111087.	5.8	16
30017	Electrically Conductive Coatings for Fiber-Based E-Textiles. Fibers, 2019, 7, 51.	4.0	69

#	ARTICLE	IF	CITATIONS
30018	Microwave-Assisted Synthesis for Carbon Nanomaterials. , 2019, , 121-147.		5
30019	Recent Trends in the Synthesis of Carbon Nanomaterials. , 2019, , 519-555.		1
30020	Development of low-cost hybrid multi-walled carbon nanotube-based ammonia gas-sensing strips with an integrated sensor read-out system for clinical breath analyzer applications. Journal of Breath Research, 2019, 13, 046005.	3.0	14
30021	Carbon Nanotubes and Carbon Nanotube Structures Used for Temperature Measurement. Sensors, 2019, 19, 2464.	3.8	38
30022	Composites and Nanocomposites. Polymers and Polymeric Composites, 2019, , 447-512.	0.6	2
30023	Synthesis and characterization of DGEBA composites reinforced with Cu/Ag modified carbon nanotubes. Heliyon, 2019, 5, e01733.	3.2	4
30024	Biomass-derived porous carbon materials with different dimensions for supercapacitor electrodes: a review. Journal of Materials Chemistry A, 2019, 7, 16028-16045.	10.3	694
30025	Conducting Polymers and Composites. Polymers and Polymeric Composites, 2019, , 551-604.	0.6	2
30026	How do proteins â€˜responseâ€™™ to common carbon nanomaterials?. Advances in Colloid and Interface Science, 2019, 270, 101-107.	14.7	13
30027	Cycloparaphenylene crystals: Packed carbon nanorings for energy absorption and thermal insulation. Computational Materials Science, 2019, 168, 96-103.	3.0	9
30028	A critical review on organic micropollutants contamination in wastewater and removal through carbon nanotubes. Journal of Environmental Management, 2019, 246, 214-228.	7.8	97
30029	Effective stress transferring interface and mechanical property enhancement of poly(L-lactide)/multi-walled carbon nanotubes fibers. Materials Chemistry and Physics, 2019, 234, 296-303.	4.0	10
30030	Time-resolved impurity-invisibility in graphene nanoribbons. Nanoscale, 2019, 11, 12296-12304.	5.6	7
30031	Thermal and mechanical property of FCLED package component interconnected with Snâ€“MWCNT composite solder. Journal of Materials Science: Materials in Electronics, 2019, 30, 12869-12875.	2.2	3
30032	Petrographic controls of coal from Ib valley Basin for carbon nano-products formation. International Journal of Coal Geology, 2019, 211, 103211.	5.0	6
30033	CO adsorption on Fe-doped vacancy-defected CNTs â€“ A DFT study. Chemical Physics Letters, 2019, 730, 316-320.	2.6	21
30034	Fused Aromatics To Restore Molecular Packing of Aged Bituminous Materials. Industrial & Engineering Chemistry Research, 2019, 58, 11939-11953.	3.7	31
30036	Recent Developments in Single-Walled Carbon Nanotube Thin Films Fabricated by Dry Floating Catalyst Chemical Vapor Deposition. Topics in Current Chemistry Collections, 2019, , 99-128.	0.5	0

#	ARTICLE	IF	CITATIONS
30037	Biosensors for the assessment of fish health: a review. Fisheries Science, 2019, 85, 641-654.	1.6	28
30038	Preparation of mechanically enhanced supramolecular carbon nanotube (CNT) film using a water-soluble " bonding linker. Carbon Letters, 2019, 29, 461-469.	5.9	2
30039	Scanning probe techniques for nanoscale imaging and patterning. , 2019, , 97-112.		1
30040	Development of ultra-high molecular weight polyethylene-functionalized carbon nano-onions composites for biomedical applications. Diamond and Related Materials, 2019, 97, 107435.	3.9	33
30041	Synthesis of corannulene-based nanographenes. Communications Chemistry, 2019, 2, .	4.5	70
30042	<i>Ab initio</i> playing of pentagonal puzzles. Electronic Structure, 2019, 1, 015004.	2.8	7
30043	Composites and Nanocomposites. Polymers and Polymeric Composites, 2019, , 1-67.	0.6	2
30044	Electronic and transport features of sawtooth penta-graphene nanoribbons via substitutional doping. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 114, 113572.	2.7	31
30045	Theoretical Design of Topological Heteronanotubes. Nano Letters, 2019, 19, 4146-4150.	9.1	19
30046	Dimension engineering of single-layer PtN 2 with the Cairo tessellation. Journal of Applied Physics, 2019, 125, 204302.	2.5	4
30047	Fabrication of aluminum-carbon nanotube nano-composite using aluminum-coated carbon nanotube precursor. Journal of Composite Materials, 2019, 53, 4055-4064.	2.4	3
30048	Influence of carbon nanotubes and dispersions of SiC on the physical and mechanical properties of pure copper and copper-nickel alloy. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 588-598.	0.9	3
30049	Theoretical investigations of a new two-dimensional carbon allotrope: hP-C23-2D. Computational Materials Science, 2019, 167, 8-12.	3.0	17
30050	Graphene nanosheet-grafted double-walled carbon nanotube hybrid nanostructures by two-step chemical vapor deposition and their application for ethanol detection. Scientific Reports, 2019, 9, 7871.	3.3	12
30051	Exploration of interactions of "blood-nano interface"™ of carbon-based nanomaterials for biomedical applications. Journal of Materials Research, 2019, 34, 1950-1964.	2.6	3
30052	Combined Application of Graphene-Family Materials and Silk Fibroin in Biomedicine. ChemistrySelect, 2019, 4, 5745-5754.	1.5	17
30053	Longitudinal and Torsional Vibration Characteristics of Boron Nitride Nanotubes. Journal of Vibration Engineering and Technologies, 2019, 7, 205-215.	2.2	16
30054	Biosensor technologies based on nanomaterials. , 2019, , 181-242.		9

#	ARTICLE	IF	CITATIONS
30055	Synthesis of novel hybrid carbon nanomaterials inside silicon carbide nanotubes by ion irradiation. <i>Acta Materialia</i> , 2019, 173, 153-162.	7.9	7
30056	Effect of ethanol soaking on the structure and physical properties of carbon nanocoils. <i>Diamond and Related Materials</i> , 2019, 97, 107426.	3.9	3
30057	Plant DNA Extraction and Purification Using Nanocomposites. , 2019, , 265-277.		0
30058	Design of an Optical Nanosensor for Determination of Trace Amounts of Thiourea and Cyanide. , 2019, , 343-361.		0
30059	Design of an Immunochromatographic Kit Using Hybrid Nanomaterial for Rapid Detection of Disease. , 2019, , 363-378.		0
30060	Inside the different types of carbon black as nanomodifiers for screen-printed electrodes. <i>Electrochimica Acta</i> , 2019, 317, 673-683.	5.2	70
30061	Energetics and electronic structures of MoS ₂ nanoribbons. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 075002.	1.5	2
30062	Effect of carbon nanotube addition on structure and properties for extrudates of high-density polyethylene. <i>Journal of Applied Polymer Science</i> , 2019, 136, 48010.	2.6	12
30063	New electromagnetic shielding materials based on viscose-carbon nanotubes composites. <i>Polymer Engineering and Science</i> , 2019, 59, 1499-1506.	3.1	10
30064	Covalent Inter-Synthetic-Carbon-Allotrope Hybrids. <i>Accounts of Chemical Research</i> , 2019, 52, 2037-2045.	15.6	17
30065	Low-dimensional nanomaterial/Si heterostructure-based photodetectors. <i>Information Materials</i> , 2019, 1, 140-163.	17.3	81
30066	Highly Miniaturized MEMS-Based Test Platforms for Thermo-Mechanical and Reliability Characterization of Nano-Functional Elements Technology and Functional Test Results. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800936.	1.8	4
30067	Development and Validation of a Multiresidue Method for Fluazifop-butyl and Its Two Major Relevant Metabolites in <i>Panax ginseng</i> Using a Modified QuEChERS Method and HPLC-ESI-MS/MS. <i>ChemistrySelect</i> , 2019, 4, 5791-5795.	1.5	3
30068	Enhanced mechanical and heating performance of multi-walled carbon nanotube-cement composites fabricated using different mixing methods. <i>Composite Structures</i> , 2019, 225, 111072.	5.8	27
30069	Products on electrodes in an argon-methane magnetically rotating arc at atmospheric pressure. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 498-505.	2.1	5
30070	Effect of 3D-transition metal doping concentration on electronic structure and magnetic properties of 1T-graphyne. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2019, 27, 684-694.	2.1	13
30071	Adsorption Behavior of Co(II) and Eu(III) on Polyacrylamide/Multiwalled Carbon Nanotube Composites. <i>Radiochemistry</i> , 2019, 61, 323-330.	0.7	12
30072	Mini-Review: Modeling and Performance Analysis of Nanocarbon Interconnects. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2174.	2.5	27

#	ARTICLE	IF	CITATIONS
30073	Anomalous scaling of flexural phonon damping in nanoresonators with confined fluid. <i>Microsystems and Nanoengineering</i> , 2019, 5, 2.	7.0	6
30074	First-principles computational investigation of nitrogen-doped carbon nanotubes as anode materials for lithium-ion and potassium-ion batteries. <i>RSC Advances</i> , 2019, 9, 17299-17307.	3.6	11
30075	Postbuckling of Curved Carbon Nanotubes Using Energy Equivalent Model. <i>Journal of Nano Research</i> , 0, 57, 136-157.	0.8	33
30076	Indentation-based characterization of creep and hardness behavior of magnesium carbon nanotube nanocomposites at room temperature. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	17
30077	Recent advances in nanomaterial-based sensors as tool for environmental monitoring. , 2019, , 391-403.		0
30078	Fabrication and characterization of electrospun Fe ₃ O ₄ /o-MWCNTs/polyamide 6 hybrid nanofibrous membrane composite as an efficient and recoverable adsorbent for removal of Pb (II). <i>Microchemical Journal</i> , 2019, 149, 103998.	4.5	64
30079	A highly sensitive printed humidity sensor based on a functionalized MWCNT/HEC composite for flexible electronics application. <i>Nanoscale Advances</i> , 2019, 1, 2311-2322.	4.6	67
30080	Self-Healing Hydrogels: The Next Paradigm Shift in Tissue Engineering?. <i>Advanced Science</i> , 2019, 6, 1801664.	11.2	314
30081	Optimizing Weight Percentage of MWCNTs for Enhancing LVI Resistance of Quasi-Isotropic Symmetric Laminate of Carbon Woven Fabric/ Epoxy Embedded with MWCNTs. <i>Experimental Techniques</i> , 2019, 43, 719-728.	1.5	5
30082	An experimental investigation on the effects of ultrasonication time on stability and thermal conductivity of MWCNT-water nanofluid: Finding the optimum ultrasonication time. <i>Ultrasonics Sonochemistry</i> , 2019, 58, 104639.	8.2	120
30083	Next-Generation Multifunctional Carbon-Metal Nanohybrids for Energy and Environmental Applications. <i>Environmental Science & Technology</i> , 2019, 53, 7265-7287.	10.0	109
30084	Wear Behavior of Graphite Nano Plates/Al Composites. <i>Physics of Metals and Metallography</i> , 2019, 120, 78-86.	1.0	2
30085	Efficient heat conducting liquid metal/CNT pads with thermal interface materials. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	1.7	31
30086	Fabrication of Various Carbon Nanotube/Nickel Nanocomposite Powders by Polyol Process. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 6387-6392.	0.9	0
30087	Strong Electrochemiluminescence Emission from Oxidized Multiwalled Carbon Nanotubes. <i>Small</i> , 2019, 15, e1901550.	10.0	28
30088	Solvent-free synthesis of amidoalkyl naphthols in the presence of MWCNTs@SiO ₂ /SO ₃ H as effective solid acid catalyst. <i>Monatshefte für Chemie</i> , 2019, 150, 1111-1119.	1.8	10
30089	Conductive mechanism of CNTs enhanced conductive magnetic fluid. <i>Materials Letters</i> , 2019, 252, 110-113.	2.6	1
30090	Growth of vertically-aligned carbon nanotubes on graphite for electric double-layer capacitors. <i>Materials Research Express</i> , 2019, 6, 086322.	1.6	4

#	ARTICLE	IF	CITATIONS
30091	Rain erosion-resistant coatings for wind turbine blades: A review. <i>Polymers and Polymer Composites</i> , 2019, 27, 443-475.	1.9	29
30092	Synthesis Procedure of Highly Densely Packed Carbon Nanotube Forests on TiN. <i>Nanomaterials</i> , 2019, 9, 571.	4.1	8
30093	Graphdiyne and its Assembly Architectures: Synthesis, Functionalization, and Applications. <i>Advanced Materials</i> , 2019, 31, e1803101.	21.0	214
30094	Multi-interpolation mixing effects under the action of micro-scale free arc. <i>Journal of Materials Processing Technology</i> , 2019, 271, 645-650.	6.3	15
30095	Improving thermal durability and mechanical properties of poly(ether ether ketone) with single-walled carbon nanotubes. <i>Polymer</i> , 2019, 176, 60-65.	3.8	21
30096	Probing the structures and bonding of size-selected boron and doped-boron clusters. <i>Chemical Society Reviews</i> , 2019, 48, 3550-3591.	38.1	169
30097	Interfacial interaction and effects of GaAs/Graphene hetero-structures studied by First-principle calculations. <i>Journal of Alloys and Compounds</i> , 2019, 795, 351-360.	5.5	3
30098	Stainless steel mesh-GO/Pd NPs: catalytic applications of Suzuki–Miyaura and Stille coupling reactions in eco-friendly media. <i>Green Chemistry</i> , 2019, 21, 3319-3327.	9.0	86
30099	Metal Oxide Nanoarrays for Chemical Sensing: A Review of Fabrication Methods, Sensing Modes, and Their Inter-correlations. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	47
30100	Removal of Surfactant from Nanocomposites Films Based on Thermally Reduced Graphene Oxide and Natural Rubber. <i>Journal of Composites Science</i> , 2019, 3, 31.	3.0	6
30101	Selective localization of multi-walled carbon nanotubes in epoxy/polyetherimide system and properties of the conductive composites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47911.	2.6	16
30102	Graphene/multi-walled carbon nanotubes as an adsorbent for pipette-tip solid-phase extraction for the determination of 17β -estradiol in milk products. <i>Journal of Chromatography A</i> , 2019, 1600, 73-79.	3.7	31
30103	Computational Screening of Electrocatalytic Activity of Transition Metal-Doped CdS Nanotubes for Water Splitting. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13419-13427.	3.1	10
30104	Three dimensional Darcy-Forchheimer radiated flow of single and multiwall carbon nanotubes over a rotating stretchable disk with convective heat generation and absorption. <i>AIP Advances</i> , 2019, 9, 035031.	1.3	22
30105	Integrated Sensor Array Platform for Monitoring Chemical Contaminants in Water Sources. , 2019, , .		1
30106	CNT-volume-fraction-dependent aggregation and waviness considerations in viscoelasticity-induced damping characterization of percolated-CNT reinforced nanocomposites. <i>Composites Part B: Engineering</i> , 2019, 172, 416-435.	12.0	22
30107	Brief bibliometric analysis of “ionic liquid” applications and its review as a substitute for common adsorbent modifier for the adsorption of organic pollutants. <i>Environmental Research</i> , 2019, 175, 34-51.	7.5	39
30108	Direct growth of MWCNTs on stainless steel by V-type flame: mechanism of carbon nanotube growth induced by surface reconstruction. <i>Chemical Papers</i> , 2019, 73, 2143-2151.	2.2	3

#	ARTICLE	IF	CITATIONS
30109	Molecular insights into the effects of Cu(II) on sulfamethoxazole and 17 β -estradiol adsorption by carbon nanotubes/CoFe ₂ O ₄ composites. Chemical Engineering Journal, 2019, 373, 995-1002.	12.7	31
30110	Sampling Techniques on Collecting Fine Carbon Nanotube Fibers for Exposure Assessment. Scientific Reports, 2019, 9, 7137.	3.3	4
30111	Relative stability of diamond and graphite as seen through bonds and hybridizations. Physical Chemistry Chemical Physics, 2019, 21, 10961-10969.	2.8	20
30112	Novel Copper(II)-Selective Potentiometric Sensor Based on a Folic Acid-Functionalized Carbon Nanotube Material. Analytical Letters, 2019, 52, 2524-2545.	1.8	10
30113	Application of a Molybdenum and Tungsten Disulfide Coating to Improve Tribological Properties of Orthodontic Archwires. Nanomaterials, 2019, 9, 753.	4.1	23
30114	Molecularly Imprinted Materials for Selective Biological Recognition. Macromolecular Rapid Communications, 2019, 40, e1900096.	3.9	71
30115	Synthesis of MWCNT Forests with Alumina-Supported Fe ₂ O ₃ Catalyst by Using a Floating Catalyst Chemical Vapor Deposition Technique. Journal of Nanomaterials, 2019, 2019, 1-12.	2.7	8
30116	Graphene, SiC and Si Nanostructures Synthesis During Quartz Pyrolysis in Arc-Discharge Plasma. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900079.	1.8	7
30117	Physics of Carbon Nanotubes and New Type of Carbon Network Materials: Electronic and Magnetic Properties. , 2019, , 97-120.		0
30118	Hydrogenation-controlled mechanical properties in graphene helicoids: exceptional distribution-dependent behavior. Physical Chemistry Chemical Physics, 2019, 21, 12423-12433.	2.8	17
30119	Graphene Fibers: Advancing Applications in Sensor, Energy Storage and Conversion. Chinese Journal of Polymer Science (English Edition), 2019, 37, 535-547.	3.8	17
30120	Energy dissipation characteristics of covalently-bonded stochastic carbon nanotube networks under compressive loading. Composites Part B: Engineering, 2019, 172, 195-205.	12.0	2
30121	Progress in Remotely Triggered Hybrid Nanostructures for Next-Generation Brain Cancer Theranostics. ACS Biomaterials Science and Engineering, 2019, 5, 2669-2687.	5.2	31
30122	Fabrication and characterization of MWCNT/natural Azerbaijani bentonite electroconductive ceramic composites. Journal of Composite Materials, 2019, 53, 3909-3923.	2.4	8
30123	Synthesis of novel g-C ₃ N ₄ microrods: A metal-free visible-light-driven photocatalyst. Materials Science for Energy Technologies, 2019, 2, 401-407.	1.8	12
30124	n π π^* Interaction Promoted Charge Carrier Transfer between Helical SWNTs and a 4-(1-Pyrenyl)phenyl Group. Journal of Physical Chemistry C, 2019, 123, 13976-13982.	3.1	3
30125	Grown Carbon Nanotubes on Electrospun Carbon Nanofibers as a 3D Carbon Nanomaterial for High Energy Storage Performance. ChemistrySelect, 2019, 4, 5437-5458.	1.5	15
30126	Single-Walled Carbon Nanotubes. Topics in Current Chemistry Collections, 2019, , .	0.5	20

#	ARTICLE	IF	CITATIONS
30127	Multi-walled carbon nanotube-reinforced boron carbide matrix composites fabricated via ultra-high-pressure sintering. <i>Journal of Materials Science</i> , 2019, 54, 11084-11095.	3.7	4
30128	Synthesis of diamond nanostructures from carbon nanotube and formation of diamond-CNT hybrid structures. <i>Carbon</i> , 2019, 150, 388-395.	10.3	40
30129	Review on heavy metal adsorption processes by carbon nanotubes. <i>Journal of Cleaner Production</i> , 2019, 230, 783-793.	9.3	312
30130	Self-template Synthesis of Metal Halide Perovskite Nanotubes as Functional Cavities for Tailored Optoelectronic Devices. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21100-21108.	8.0	6
30131	Determination of thermoelastic stress wave propagation in nanocomposite sandwich plates reinforced by clusters of carbon nanotubes. <i>Journal of Sandwich Structures and Materials</i> , 2021, 23, 884-905.	3.5	40
30132	Introducing the Kabachnikâ€œFields multicomponent reaction for functionalization of multiwalled carbon nanotubes and their performance for removal of methylene blue. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 100, 85-94.	5.3	2
30133	Synthesis of carbon nanotubes by chemical vapor deposition technique. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
30134	A Simple â€œNano-Templatingâ€•Method Using Zeolite Y Toward the Formation of Carbon Schwarzites. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	14
30135	Synthesis of nanostructured based carbon nanowalls at low temperature using inductively coupled plasma chemical vapor deposition (ICP-CVD). <i>Microsystem Technologies</i> , 2019, 25, 4439-4444.	2.0	4
30136	Active vibration control of GPLs-reinforced FG metal foam plates with piezoelectric sensor and actuator layers. <i>Composites Part B: Engineering</i> , 2019, 172, 769-784.	12.0	95
30137	A facile approach to synthesize carbon quantum dots with pH-dependent properties. <i>Dyes and Pigments</i> , 2019, 169, 73-80.	3.7	31
30138	Recent progress on carbon nanomaterials for the electrochemical detection and removal of environmental pollutants. <i>Nanoscale</i> , 2019, 11, 11992-12014.	5.6	118
30139	Aggregation of oxidized multi-walled carbon nanotubes: Interplay of nanomaterial surface O-functional groups and solution chemistry factors. <i>Environmental Pollution</i> , 2019, 251, 921-929.	7.5	19
30140	Design of a high performance CNTFET-based full adder cell applicable in: Carry ripple, carry select and carry skip adders. <i>Microelectronic Engineering</i> , 2019, 215, 110980.	2.4	18
30141	Influence of carbon nanotubes content on the properties of acrylonitrile-butadiene rubber/cobalt chloride composites. <i>Materials Research Express</i> , 2019, 6, 075323.	1.6	6
30142	Nonlinear Resonance Interaction between Conjugate Circumferential Flexural Modes in Single-Walled Carbon Nanotubes. <i>Shock and Vibration</i> , 2019, 2019, 1-33.	0.6	13
30143	Structural Stability and Electronic and Optical Properties of Coinage-Metal (4, 2) Alloy Nanotubes: A First-Principles Study. <i>Journal of the Korean Physical Society</i> , 2019, 74, 555-562.	0.7	0
30144	High bond difference parameter-induced low thermal transmission in carbon allotropes with sp ² and sp ³ hybridization. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 12611-12619.	2.8	3

#	ARTICLE	IF	CITATIONS
30145	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels. <i>Angewandte Chemie</i> , 2019, 131, 7463-7467.	2.0	16
30146	Progress in the Development of Intrinsically Conducting Polymer Composites as Biosensors. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800561.	2.2	86
30147	High-Strength Macroscopic Carbon Nanotube Fiber and Film. , 2019, , 65-76.		2
30148	Tomography of Carbon Nanotube Materials. , 2019, , 185-203.		0
30149	Conductivity Mechanisms in CNT Yarn. , 2019, , 447-464.		1
30150	Thermal Interface Resistance Between Silicon and Single Wall Carbon Nanotubes. , 2019, , 603-621.		1
30151	Carbon Nanotube Energy Applications. , 2019, , 695-728.		4
30152	Floating Catalyst Reactor Design and Safety Features for Carbon Nanotube Synthesis. , 2019, , 851-866.		2
30153	Redox Preconcentration/Speciation of Chromium by Using Nanocomposites Based on Carbon Nanotubes and Functional Polymers. , 2019, , 139-180.		2
30154	In situ observation of dewetting-induced deformation of vertically aligned single-walled carbon nanotubes. <i>Diamond and Related Materials</i> , 2019, 95, 115-120.	3.9	1
30155	An Effect of Chemical Modification of Surface of Carbon Nanotubes on Their Thermal Conductivity. <i>Physics of the Solid State</i> , 2019, 61, 279-284.	0.6	6
30156	Influence of Deformation on the Energy and Optical Absorption Spectra of Fullerene C ₂₀ within the Hubbard Model. <i>Physics of the Solid State</i> , 2019, 61, 263-273.	0.6	6
30157	On the Thermal Stability of Some Quasi-Fullerenes. <i>Physics of the Solid State</i> , 2019, 61, 474-479.	0.6	3
30158	Static and Dynamic Behavior of Nanotubes-Reinforced Sandwich Plates Using (FSDT). <i>Journal of Nano Research</i> , 0, 57, 117-135.	0.8	76
30159	A spark discharge generator for scalable aerosol CVD synthesis of single-walled carbon nanotubes with tailored characteristics. <i>Chemical Engineering Journal</i> , 2019, 372, 462-470.	12.7	30
30160	Recent Advances and Perspectives of Carbon-Based Nanostructures as Anode Materials for Li-ion Batteries. <i>Materials</i> , 2019, 12, 1229.	2.9	102
30161	Preparation and Thermophysical Properties of High Thermal Conductive Solar Salt/MWCNTs Composite Materials. <i>ChemistrySelect</i> , 2019, 4, 4521-4527.	1.5	8
30162	The evolution of dendrimers to composite dendrimers: a review of the state of the art. , 2019, , 217-249.		6

#	ARTICLE	IF	CITATIONS
30163	Vapor Phase Growth of Semiconductor Nanowires: Key Developments and Open Questions. Chemical Reviews, 2019, 119, 8958-8971.	47.7	158
30164	A numerical-experimental approach towards picomechanics and picotribology: the case study of defective carbon nanotubes bundles. Journal Physics D: Applied Physics, 2019, 52, 255305.	2.8	1
30165	Palladium Nanoparticles Supported on Graphene Oxide as Catalysts for the Synthesis of Diarylketones. Catalysts, 2019, 9, 319.	3.5	15
30166	A novel dual-signal output screwing oscillator based on carbon@MoS ₂ nanotubes. Applied Physics Express, 2019, 12, 065001.	2.4	5
30167	Stability analysis of cantilever carbon nanotubes subjected to partially distributed tangential force and viscoelastic foundation. Applied Mathematical Modelling, 2019, 73, 190-209.	4.2	25
30168	On the use of Ti Si eutectic alloy as a novel sintering aid for B ₄ C TiB ₂ SiC ceramic composites. Ceramics International, 2019, 45, 12393-12398.	4.8	15
30169	Phenyl glycidyl ether as an effective noncovalent functionalization agent for multiwalled carbon nanotube reinforced polyamide 6 nanocomposite fibers. Composites Science and Technology, 2019, 177, 96-102.	7.8	18
30170	Perfect negative differential resistance, spin-filter and spin-rectification transport behaviors in zigzag-edged $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{I} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -graphyne nanoribbon-based magnetic devices. Journal of Magnetism and Magnetic Materials, 2019, 485, 136-141.	2.3	35
30171	Thermal Conductivity of a Supported Multiwalled Carbon Nanotube. Journal of Physical Chemistry C, 2019, 123, 12460-12465.	3.1	14
30172	On electronic conductance of partially unzipped armchair nanotubes: further analysis. European Physical Journal B, 2019, 92, 1.	1.5	22
30173	A facile rheological approach for the determination of α -super toughness point of nylon1212/POE-g-MAH/MWCNT nanocomposites. Composites Science and Technology, 2019, 177, 73-80.	7.8	16
30174	An electrochemical sensor based on a porphyrin dye-functionalized multi-walled carbon nanotubes hybrid for the sensitive determination of ascorbic acid. Journal of Electroanalytical Chemistry, 2019, 841, 101-106.	3.8	35
30175	Rheological properties of silicon oil-based magnetic fluid with magnetic nanoparticles (MNPs)-multiwalled carbon nanotube (MWNT). Smart Materials and Structures, 2019, 28, 065023.	3.5	10
30176	Enhancement on the characteristics of supercapacitors using surface modification of sprayed-carbon nanotube thin film electrodes with oxygen plasma treatment. Japanese Journal of Applied Physics, 2019, 58, 056502.	1.5	6
30177	Development and application of Cu-SWCNT nanocomposite-coated 6061Al electrode for EDM. International Journal of Advanced Manufacturing Technology, 2019, 103, 3067-3076.	3.0	11
30178	Preparation of carbon nanotube/epoxy composite films with high tensile strength and electrical conductivity by impregnation under pressure. Frontiers of Materials Science, 2019, 13, 165-173.	2.2	7
30179	The Legacy of Sir Harold W. Kroto: Fullerenes and Beyond. Chem, 2019, 5, 733-738.	11.7	7
30180	Absorption-desorption of carbon dioxide in carbon honeycombs at elevated temperatures. Low Temperature Physics, 2019, 45, 325-330.	0.6	6

#	ARTICLE	IF	CITATIONS
30181	Performances of epoxy-based composites with multi-wall carbon nanotubes and acrylic tri-block copolymer. <i>Nanocomposites</i> , 2019, 5, 28-35.	4.2	4
30182	Coupling analysis of screwing motion of double-walled carbon nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019, 383, 2309-2313.	2.1	2
30183	Three-Dimensional Crystalline Modification of Graphene in all-sp ² Hexagonal Lattices with or without Topological Nodal Lines. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2515-2521.	4.6	16
30184	Effects of thermal loads representations on the dynamics and characteristics of carbon nanotubes-based mass sensors. <i>Smart Materials and Structures</i> , 2019, 28, 074003.	3.5	13
30185	Redox-active doped polypyrrole microspheres induced by phosphomolybdic acid as supercapacitor electrode materials. <i>Synthetic Metals</i> , 2019, 252, 135-141.	3.9	18
30186	Spontaneous Formation of CdSe Photoluminescent Nanotubes with Visible-Light Photocatalytic Performance. <i>ACS Central Science</i> , 2019, 5, 1017-1023.	11.3	14
30187	Torsional dynamics of coaxial nanotubes with different lengths in viscoelastic medium. <i>Microsystem Technologies</i> , 2019, 25, 3943-3957.	2.0	8
30188	Armchair and Chiral Carbon Nanobelts: Scholl Reaction in Strained Nanorings. <i>CheM</i> , 2019, 5, 746-748.	11.7	6
30189	Microcellular polyetherimide/carbon nanotube composite foam: Structure, property and highly reinforcing mechanism. <i>European Polymer Journal</i> , 2019, 116, 488-496.	5.4	8
30190	Catalyst modification strategies to enhance the catalyst activity and stability during steam reforming of acetic acid for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 12983-13010.	7.1	61
30191	Modelling and delay analysis of on-chip differential carbon nanotube interconnects. <i>Micro and Nano Letters</i> , 2019, 14, 505-510.	1.3	5
30192	Dynamical behavior and high-pressure study of C20@Tube peapod structure. <i>Materials Research Express</i> , 2019, 6, 085028.	1.6	2
30193	Thermal conductivity enhancement of carbon@ carbon nanotube arrays and bonded carbon nanotube network. <i>Materials Research Express</i> , 2019, 6, 085616.	1.6	6
30194	Stimulations of Thermophysical Characteristics of Nano-Diamond and Silver Nanoparticles for Nonlinear Radiative Curved Surface Flow. <i>IEEE Access</i> , 2019, 7, 55509-55517.	4.2	12
30195	A coupled longitudinal-transverse nonlinear NSGT model for CNTs incorporating internal energy loss. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	12
30196	Effect of rare earth surface modification of carbon nanotubes on enhancement of interfacial bonding of carbon nanotubes reinforced epoxy matrix composites. <i>Journal of Materials Science</i> , 2019, 54, 10235-10248.	3.7	22
30197	Surface Modification of MWCNTs with Carboxylic-to-Amine and Their Superb Adsorption Performance. <i>International Journal of Environmental Research</i> , 2019, 13, 523-531.	2.3	41
30198	Oxygen vacancy-enriched MoO ₃ nanobelts for asymmetric supercapacitors with excellent room/low temperature performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 13205-13214.	10.3	92

#	ARTICLE	IF	CITATIONS
30199	High density sulfonated magnetic carbon quantum dots as a photo enhanced, photo-induced proton generation, and photo switchable solid acid catalyst for room temperature one-pot reaction. Research on Chemical Intermediates, 2019, 45, 3929-3942.	2.7	8
30200	PECVD grown silicon nitride ultra-thin films for CNTFETs. Semiconductor Science and Technology, 2019, 34, 065018.	2.0	2
30201	Development of Compact Load Cell Using Multiwall Carbon Nanotube/Cotton Composites and Its Application to Human Health and Activity Monitoring. Journal of Nanomaterials, 2019, 2019, 1-15.	2.7	5
30202	Enhancement of stiffness and dynamic mechanical properties of polymers using single-walled-carbon-nanotube – a multiscale finite element formulation study. Journal of Polymer Research, 2019, 26, 1.	2.4	8
30203	Carbon nanomaterials for implant dentistry and bone tissue engineering. , 2019, , 429-468.		5
30204	Electrically conductive and elastoplastic carbon nanohybrid preform reinforced by physical cross-linking. Soft Materials, 2019, 17, 359-367.	1.7	1
30205	Direct Spinning of Horizontally Aligned Carbon Nanotube Fibers and Films From the Floating Catalyst Method. , 2019, , 3-29.		9
30206	Graphene-Based Electrochemical Sensors for Biomedical Applications. , 2019, , 249-282.		5
30207	Functionalized graphene-based nanomaterials for drug delivery and biomedical applications in cancer chemotherapy. , 2019, , 429-460.		6
30208	Potential blockade of the human voltage-dependent anion channel by MoS2 nanoflakes. Physical Chemistry Chemical Physics, 2019, 21, 9520-9530.	2.8	2
30209	Carbon nanotube–ruthenium hybrid towards mild oxidation of sulfides to sulfones: efficient synthesis of diverse sulfonyl compounds. Catalysis Science and Technology, 2019, 9, 2742-2748.	4.1	13
30210	Covalent Inter–Carbon–Allotrope Architectures Consisting of the Endohedral Fullerene Sc₃N@C₈₀ and Single-Walled Carbon Nanotubes. Angewandte Chemie, 2019, 131, 8142-8146.	2.0	8
30211	Synthesis of highly electrically conductive and electrochemically stable porous boron-doped carbon microspheres. SN Applied Sciences, 2019, 1, 1.	2.9	2
30212	Drug-coated nanoparticles: the magic bullets for threatening diseases, with special reference to tuberculosis. , 2019, , 41-85.		0
30213	Mechanism studies and fabrication for the incorporation of carbon into Al alloys by the electro-charging assisted process. Carbon, 2019, 149, 203-212.	10.3	6
30214	Protective polymeric films for industrial substrates: A critical review on past and recent applications with conducting polymers and polymer composites/nanocomposites. Progress in Materials Science, 2019, 104, 380-450.	32.8	190
30215	Percolating conductive networks in multiwall carbon nanotube-filled polymeric nanocomposites: towards scalable high-conductivity applications of disordered systems. Nanoscale, 2019, 11, 8565-8578.	5.6	14
30216	Acceleration of Bone Regeneration in Critical-Size Defect Using BMP-9-Loaded nHA/Coll/MWCNTs Scaffolds Seeded with Bone Marrow Mesenchymal Stem Cells. BioMed Research International, 2019, 2019, 1-10.	1.9	27

#	ARTICLE	IF	CITATIONS
30217	Elongation and resistance change of carbon nanotube filaments formed by gas discharge breakdown. Japanese Journal of Applied Physics, 2019, 58, SAAE05.	1.5	3
30218	Adsorption of radionuclides on carbon-based nanomaterials. Interface Science and Technology, 2019, , 141-215.	3.3	4
30219	Carbon nanotubes: Evaluation of toxicity at biointerfaces. Journal of Pharmaceutical Analysis, 2019, 9, 293-300.	5.3	190
30220	Effect of Finite Length on the Band gap of Semiconducting and Metallic Carbon Nanotube. , 2019, , .		1
30221	CNT flexible membranes for energy storage and conversion systems. MRS Communications, 2019, 9, 670-674.	1.8	3
30222	Order fluctuation induced tunable light emission from carbon nanosystem. International Nano Letters, 2019, 9, 221-229.	5.0	6
30223	Nanomaterials in Advanced, High-Performance Aerogel Composites: A Review. Polymers, 2019, 11, 726.	4.5	108
30224	Recent advances in nanomaterial-enabled acoustic devices for audible sound generation and detection. Nanoscale, 2019, 11, 5839-5860.	5.6	38
30225	A review on nanomaterial-modified optical fiber sensors for gases, vapors and ions. Mikrochimica Acta, 2019, 186, 253.	5.0	60
30226	Influence of diameter on the degradation profile of multiwall carbon nanotubes. Journal of Thermal Analysis and Calorimetry, 2019, 138, 1351-1362.	3.6	2
30227	Pulsed anodic arc discharge for the synthesis of carbon nanomaterials. Plasma Sources Science and Technology, 2019, 28, 045016.	3.1	19
30228	Morphological, electrical, mechanical and thermal properties of high-density polyethylene/multiwall carbon nanotube nanocomposites: effect of aspect ratio. Materials Research Express, 2019, 6, 095079.	1.6	8
30229	A double-walled carbon nanotubes conducting wire prepared by dip-coating. Materials Research Express, 2019, 6, 0950b7.	1.6	3
30230	Endohedral and exohedral complexes of 1â€benzene with carbon nanotubes and highâ€density assembly of multiple benzenes inside of a carbon nanotube. International Journal of Quantum Chemistry, 2019, 119, e25936.	2.0	1
30231	A metal-semiconductor-metal transform appeared in the metallic single-walled carbon nanotubes, controlled by the combined effect of magnetic field and uniaxial strain. Physica B: Condensed Matter, 2019, 562, 63-66.	2.7	1
30232	Spin-Density Localization in Graphene at Boundaries and at Vacancy Defects. Journal of Physical Chemistry C, 2019, 123, 9479-9485.	3.1	4
30233	Catalyst- and Etchant-Dependent Mechanisms of Single-Walled Carbon Nanotube Nucleation during Chemical Vapor Deposition. Journal of Physical Chemistry C, 2019, 123, 10622-10629.	3.1	4
30234	Multi-direction health monitoring with carbon nanotube film strain sensor. International Journal of Distributed Sensor Networks, 2019, 15, 155014771982968.	2.2	14

#	ARTICLE	IF	CITATIONS
30235	Printed Diodes: Materials Processing, Fabrication, and Applications. <i>Advanced Science</i> , 2019, 6, 1801653.	11.2	71
30236	Effect of core-shell rubber toughening on mechanical, thermal, and morphological properties of poly(lactic acid)/multiwalled carbon nanotubes nanocomposites. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47756.	2.6	14
30237	Multiwalled Carbon Nanotubes for Dental Applications. <i>Methods in Molecular Biology</i> , 2019, 1922, 121-128.	0.9	8
30238	High-grade MWCNT/ZrO ₂ composites prepared by sol-gel method and high-pressure technique (4.0 GPa): mechanically resistant, porous, and conductive. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 90, 348-358.	2.4	3
30239	Enantiomeric Recognition and Separation by Chiral Nanoparticles. <i>Molecules</i> , 2019, 24, 1007.	3.8	72
30240	Value-Added Recycling of Inexpensive Carbon Sources to Graphene and Carbon Nanotubes. <i>Advanced Sustainable Systems</i> , 2019, 3, 1800016.	5.3	20
30242	Spectrofluorometrical Determination of Vitamin B ₁ in Different Matrices Using Box-Behnken Designed Pipette Tip Solid Phase Extraction by a Carbon Nanotube Sorbent. <i>ChemistrySelect</i> , 2019, 4, 3052-3057.	1.5	3
30243	Carbon Nanostructure-based Sensors: A Brief Review on Recent Advances. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-21.	1.8	100
30244	Materials for Photovoltaics: State of Art and Recent Developments. <i>International Journal of Molecular Sciences</i> , 2019, 20, 976.	4.1	185
30245	Creep performance of CNT reinforced glass fiber/epoxy composites: Roles of temperature and stress. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47674.	2.6	21
30246	Modified Nanocarbons for Catalysis. <i>ChemCatChem</i> , 2019, 11, 90-133.	3.7	66
30247	Activation of peat soil carbon and production of carbon nanostructures using a flying jet cold plasma torch. <i>Environmental Chemistry Letters</i> , 2019, 17, 1383-1390.	16.2	3
30248	Facile preparation of magnetic composites based on carbon nanotubes: Utilization for removal of environmental pollutants. <i>Journal of Colloid and Interface Science</i> , 2019, 545, 8-15.	9.4	29
30249	Development of humidity sensor using modified curved MWCNT based thin film with DFT calculations. <i>Sensors and Actuators B: Chemical</i> , 2019, 288, 399-407.	7.8	46
30250	Multifunctional Ion-Sieve Constructed by 2D Materials as an Interlayer for Li-S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11474-11480.	8.0	45
30251	Facile Fabrication of NiO-Decorated Double-Layer Single-Walled Carbon Nanotube Buckypaper for Glucose Detection. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 10856-10861.	8.0	65
30252	The preparation of carbon nanofillers and their role on the performance of variable polymer nanocomposites. <i>Designed Monomers and Polymers</i> , 2019, 22, 8-53.	1.6	92
30253	Mechanical, physical properties and tribological behaviour of silicon carbide composites with addition of carbon nanotubes. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 81, 272-280.	3.8	16

#	ARTICLE	IF	CITATIONS
30254	WS2 Nano-petals and Nano-bristles Supported on Carbon Nanotubes for Electron Emission Applications. Scientific Reports, 2019, 9, 3672.	3.3	7
30255	Functionalization of BC3 nanotubes with substituted pyridine: a DFT study. Materials Research Express, 2019, 6, 065016.	1.6	2
30256	MHD Thin Film Flow and Thermal Analysis of Blood with CNTs Nanofluid. Coatings, 2019, 9, 175.	2.6	60
30257	Non-Isothermal Crystallization Kinetic of Polyethylene/Carbon Nanotubes Nanocomposites Using an Isoconversional Method. Journal of Composites Science, 2019, 3, 21.	3.0	14
30258	High-Performance Graphene-Based Cementitious Composites. Advanced Science, 2019, 6, 1801195.	11.2	73
30259	Hot-corrosion behavior of Cr2O3-CNT-coated ASTM-SA213-T22 steel in a molten salt environment at 700°C. International Journal of Minerals, Metallurgy and Materials, 2019, 26, 337-344.	4.9	18
30260	Nanomaterials for molecular sensing. , 2019, , 413-487.		5
30261	Soft-nanocomposite lubricants of supramolecular gel with carbon nanotubes. Journal of Materials Chemistry A, 2019, 7, 7654-7663.	10.3	37
30263	A novel coupling of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si43.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo}$		

#	ARTICLE	IF	CITATIONS
30273	MHD oblique stagnation point flow of nanofluid over an oscillatory stretching/shrinking sheet: existence of dual solutions. <i>Physica Scripta</i> , 2019, 94, 075204.	2.5	81
30274	Size effect of functionalized reinforcements on the microstructure and mechanical properties of flaky Al-CNT composites. <i>Materials Research Express</i> , 2019, 6, 066530.	1.6	1
30275	The electronic properties and magnetic states of edge-modified $\hat{1}^3$ -graphdiyne nanoribbons. <i>Computational Materials Science</i> , 2019, 163, 82-90.	3.0	15
30276	Some basic aspects of polymer nanocomposites: A critical review. <i>Nano Materials Science</i> , 2019, 1, 2-30.	8.8	499
30277	High-Pressure Behavior of C2I2 and Polymerization to a Conductive Polymer. <i>Journal of Physical Chemistry C</i> , 2019, 123, 11369-11377.	3.1	14
30278	Synthesis of MWCNT-Based Hyper-Cross-Linked Polymers with Thickness-Tunable Organic Porous Layers. <i>ACS Macro Letters</i> , 2019, 8, 403-408.	4.8	14
30279	The determination of pesticides in tea samples followed by magnetic multiwalled carbon nanotube-based magnetic solid-phase extraction and ultra-high performance liquid chromatography-tandem mass spectrometry. <i>New Journal of Chemistry</i> , 2019, 43, 5395-5403.	2.8	15
30280	The Effect of Thermal Contact Number on the Tube-Tube Contact Conductance of Single-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2019, 9, 477.	4.1	5
30281	An overview of the recent advances in inorganic nanotubes. <i>Nanoscale</i> , 2019, 11, 8073-8090.	5.6	55
30282	Plasma-enabled healing of graphene nano-platelets layer. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 350-359.	4.4	12
30283	Intensified C σ -C Stretching Vibrator and Its Potential Role in Monitoring Ultrafast Energy Transfer in 2D Carbon Material by Nonlinear Vibrational Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1402-1410.	4.6	8
30284	Wafer-scale on-chip synthesis and field emission properties of vertically aligned boron nitride based nanofiber arrays. <i>Applied Physics Letters</i> , 2019, 114, 093101.	3.3	2
30285	Comparison Between Functionalized Graphene and Carbon Nanotubes. , 2019, , 177-204.		17
30286	Mildly oxidized SWCNT as new potential support membrane material for effective H ₂ /CO ₂ separation. <i>Applied Materials Today</i> , 2019, 15, 335-342.	4.3	11
30287	Effect of silicon dioxide substrate on buckling behavior of Zinc Oxide nanotubes via size-dependent continuum theories. <i>Composite Structures</i> , 2019, 218, 130-141.	5.8	18
30288	Applications of aesthetic pentagon-shaped stereo tiling employing pentagraphene carbon-star walls and embossment design. <i>AIP Advances</i> , 2019, 9, 035001.	1.3	1
30289	Diamond Needles Actuating Triple-Walled Carbon Nanotube to Rotate via Thermal Vibration-Induced Collision. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1140.	4.1	2
30290	The use of chitosan-based metal catalysts in organic transformations. <i>Coordination Chemistry Reviews</i> , 2019, 388, 126-171.	18.8	112

#	ARTICLE	IF	CITATIONS
30291	Advanced biomedical applications of carbon nanotube. Materials Science and Engineering C, 2019, 100, 616-630.	7.3	176
30292	Hydrogen storage in carbon materials—A review. Energy Storage, 2019, 1, e35.	4.3	240
30293	CNT bundle-based thin intracochlear electrode array. Biomedical Microdevices, 2019, 21, 27.	2.8	6
30294	Low-temperature titania-graphene quantum dots paste for flexible dye-sensitised solar cell applications. Electrochimica Acta, 2019, 305, 278-284.	5.2	30
30295	Study on the behaviors of multi-walled carbon nanotubes modified by gemini sulfonate dispersant and their reinforced magnesium matrix composite. Materials Chemistry and Physics, 2019, 229, 279-285.	4.0	7
30296	An investigation into the role of substrates in the physical and electrochemical properties of carbon nanotubes prepared by chemical vapor deposition. Physica B: Condensed Matter, 2019, 562, 42-54.	2.7	7
30297	Amino-substituted binuclear phthalocyanines bonding with multi-wall carbon nanotube as efficient electrocatalysts for lithium-thionyl chloride battery. Journal of Materials Research, 2019, 34, 921-931.	2.6	4
30298	Synthesis of the extended phenacene molecules, [10]phenacene and [11]phenacene, and their performance in a field-effect transistor. Scientific Reports, 2019, 9, 4009.	3.3	21
30299	Functional nanomaterials to augment photosynthesis: evidence and considerations for their responsible use in agricultural applications. Interface Focus, 2019, 9, 20180048.	3.0	60
30300	Nanoenabled Bioseparations: Current Developments and Future Prospects. BioMed Research International, 2019, 2019, 1-15.	1.9	21
30301	Regeneration of TiO ₂ Nanotube Arrays after Long-Term Cell and Tissue Culture for Multiple Use – an Environmental Scanning Electron Microscopy (ESEM) Survey of Adult Pig Retina and beyond. Biological Procedures Online, 2019, 21, 2.	2.9	0
30302	High Ampacity Carbon Nanotube Materials. Nanomaterials, 2019, 9, 383.	4.1	11
30303	Synthesis and Properties of Porphyrin Nanotubes. Helvetica Chimica Acta, 2019, 102, e1800211.	1.6	29
30304	Material and Mechanical Characterization of Multi-Functional Carbon Nanotube Reinforced Hybrid Composite Materials. Experimental Techniques, 2019, 43, 301-314.	1.5	18
30305	Carbon nanomaterials as pharmaceutic forms for sustained and controlled delivery systems. , 2019, , 403-434.		4
30306	Adsorption of Congo red dye on Fe ₃ Co ₃ -xO ₄ nanoparticles. Journal of Environmental Management, 2019, 238, 473-483.	7.8	167
30307	Analysis of nanomaterials and nanocomposites by thermoanalytical methods. Thermochimica Acta, 2019, 675, 140-163.	2.7	22
30308	Stretchable sensors for environmental monitoring. Applied Physics Reviews, 2019, 6, .	11.3	83

#	ARTICLE	IF	CITATIONS
30309	Nanomaterials and Plant Potential: An Overview. , 2019, , 3-29.		45
30310	Carbonâ€Nanotubeâ€Based Electrical Conductors: Fabrication, Optimization, and Applications. Advanced Electronic Materials, 2019, 5, 1800811.	5.1	72
30311	Application of Hencky bar-chain model to buckling analysis of elastically restrained Timoshenko axially functionally graded carbon nanotube reinforced composite beams. Mechanics Based Design of Structures and Machines, 2019, 47, 599-620.	4.7	20
30312	Development of Paint-Type Dye-Sensitized Solar Cell Using Carbon Nanotube Paint. Journal of Nanotechnology, 2019, 2019, 1-6.	3.4	3
30313	Structure of inorganic nanocrystals confined within carbon nanotubes. Inorganica Chimica Acta, 2019, 492, 66-75.	2.4	16
30314	Polyfluorene-Sorted Semiconducting Single-Walled Carbon Nanotubes for Applications in Thin-Film Transistors. Chemistry of Materials, 2019, 31, 2863-2872.	6.7	25
30315	Chiral heteronanotubes: arrangement-dominated chiral interface states and conductivities. Nanoscale, 2019, 11, 8699-8705.	5.6	6
30316	Advances in polymer-anchored carbon nanotube foam: a review. Polymer-Plastics Technology and Materials, 2019, 58, 1965-1978.	1.3	14
30317	Field Electron Emission from the Tip of a Graphite Fiber. IOP Conference Series: Materials Science and Engineering, 2019, 472, 012060.	0.6	0
30318	One-step path to highly crystalline multi-walled carbon nanotubes with large inner diameters. IOP Conference Series: Materials Science and Engineering, 2019, 479, 012112.	0.6	1
30319	Preparation and Performance Evaluation of Natural Rubber Composites with Aluminum Nitride and Aligned Carbon Nanotubes. Polymer Science - Series A, 2019, 61, 366-374.	1.0	15
30320	Covalent Interâ€Carbonâ€Allotrope Architectures Consisting of the Endohedral Fullerene Sc₃N@C₈₀ and Singleâ€Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2019, 58, 8058-8062.	13.8	17
30321	Nitrogen-doped graphene quantum dots coated with gold nanoparticles for electrochemiluminescent glucose detection using enzymatically generated hydrogen peroxide as a quencher. Mikrokimica Acta, 2019, 186, 276.	5.0	16
30322	Dynamic buckling analyses of functionally graded carbon nanotubes reinforced composite (FG-CNTRC) cylindrical shell under axial power-law time-varying displacement load. Composite Structures, 2019, 220, 784-797.	5.8	34
30323	M3D aerosol jet printed buckypaper multifunctional sensors for composite structural health monitoring. Results in Physics, 2019, 13, 102094.	4.1	19
30324	Chemical vapor deposition-grown carbon nanotubes/graphene hybrids for electrochemical energy storage and conversion. FlatChem, 2019, 15, 100091.	5.6	35
30325	Thermo-optical response of colloidal metallic and semiconducting single-walled carbon nanotubes. Optics and Laser Technology, 2019, 116, 315-321.	4.6	6
30326	Comparison of the carbon additives on the conductivity, thermomechanical, and corrosion properties for TEOS oligomer modified epoxy-amine coating systems. Progress in Organic Coatings, 2019, 130, 168-181.	3.9	10

#	ARTICLE	IF	CITATIONS
30327	Physical vapor deposition (PVD): a method to fabricate modified g-C ₃ N ₄ sheets. New Journal of Chemistry, 2019, 43, 6683-6687.	2.8	14
30328	Science and applications of wafer-scale crystalline carbon nanotube films prepared through controlled vacuum filtration. Royal Society Open Science, 2019, 6, 181605.	2.4	37
30329	In-plane shear of nanoprepreg/nanostitched three-dimensional carbon/epoxy multiwalled carbon nanotubes composites. Journal of Composite Materials, 2019, 53, 3413-3431.	2.4	7
30330	The effect of CNT and Cu on interfacial intermetallic growth of Sn-Ag-Cu solder. IOP Conference Series: Materials Science and Engineering, 2019, 469, 012007.	0.6	0
30331	Preparation of Cellulose-Polyaniline Composite Microspheres via Electron Beam Irradiation Grafting and Its Properties. IOP Conference Series: Materials Science and Engineering, 2019, 493, 012111.	0.6	0
30332	Evidence of diamond-like carbon phase formation due to 80 keV Xe ⁺ ion impact on pencil-lead graphitic systems with oblique angle incidence. Europhysics Letters, 2019, 125, 36003.	2.0	4
30333	Enhanced growth of carbon nanotetrahedron/ribbon structures using a cobalt catalyst. Japanese Journal of Applied Physics, 2019, 58, 028004.	1.5	3
30334	Manufacturing Technologies. , 2019, , 137-196.		11
30335	Boron Nitride Nanotube Composites and Applications. , 2019, , 91-111.		29
30336	Processing and Applications of CNT Sheets in Advanced Composite Materials. , 2019, , 383-429.		0
30337	Carbon Nanotube Wire for Use in Precision Medical Devices. , 2019, , 825-849.		1
30338	Developing strong and tough carbon nanotube films by a proper dispersing strategy and enhanced interfacial interactions. Carbon, 2019, 149, 117-124.	10.3	13
30339	Synthesis of carbon spheres by atmospheric pressure chemical vapor deposition from a serial of aromatic hydrocarbon precursors. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 112, 78-85.	2.7	26
30340	Graphene nanoflakes and carbon nanotubes on porous silicon layers by spin coating, for possible applications in optoelectronics. Sensors and Actuators A: Physical, 2019, 292, 121-128.	4.1	9
30341	Mesoporous carbon nanospheres deposited onto D-shaped fibers for femtosecond pulse generation. RSC Advances, 2019, 9, 11621-11626.	3.6	10
30342	Effect of functionalization and concentration of carbon nanotubes on mechanical, wear and fatigue behaviours of polyoxymethylene/carbon nanotube nanocomposites. Bulletin of Materials Science, 2019, 42, 1.	1.7	9
30343	Surface characteristics of mild steel using EDM with Cu-MWCNT composite electrode. Materials and Manufacturing Processes, 2019, 34, 1326-1332.	4.7	41
30344	Progressive utilisation prospects of coal fly ash: A review. Science of the Total Environment, 2019, 672, 951-989.	8.0	321

#	ARTICLE	IF	CITATIONS
30345	Study on filling mechanism of dialkyl pentasulfide filled carbon nanotubes. Composite Interfaces, 2019, 26, 1025-1034.	2.3	3
30346	Hydrophilicity and carbon chain length effects on the gas sensing properties of chemoresistive, self-assembled monolayer carbon nanotube sensors. Beilstein Journal of Nanotechnology, 2019, 10, 565-577.	2.8	9
30347	Carbon Nanostructures in Rotaxane Architectures. European Journal of Organic Chemistry, 2019, 2019, 3371-3383.	2.4	15
30348	Electrochemical Co-Deposition of Gold and Carbon Nanocapsules from a Colloidal Suspension. Journal of the Electrochemical Society, 2019, 166, D181-D188.	2.9	2
30350	Fracture analysis and mechanical properties of three phased glass/epoxy laminates reinforced with multiwalled carbon nanotubes. Journal of Science: Advanced Materials and Devices, 2019, 4, 299-309.	3.1	17
30351	Unsteady Nano-Liquid Spray with Thermal Radiation Comprising CNTs. Processes, 2019, 7, 181.	2.8	7
30352	Narrowing Segments of Helical Carbon Nanotubes with Curved Aromatic Panels. Angewandte Chemie - International Edition, 2019, 58, 7385-7389.	13.8	42
30353	A review of mechanical analyses of rectangular nanobeams and single-, double-, and multi-walled carbon nanotubes using Eringen's nonlocal elasticity theory. Archive of Applied Mechanics, 2019, 89, 1761-1792.	2.2	31
30354	Heterogeneous Single-Cluster Catalysts for Selective Semihydrogenation of Acetylene with Graphdiyne-Supported Triatomic Clusters. Journal of Physical Chemistry C, 2019, 123, 10494-10500.	3.1	48
30355	Second-harmonic generation from supported carbon nanotube films grown by chemical vapor deposition on fused silica. Japanese Journal of Applied Physics, 2019, 58, 032006.	1.5	1
30356	Electrochemical sensors based on molecularly imprinted polymer on nanostructured carbon materials: A review. Journal of Electroanalytical Chemistry, 2019, 840, 343-366.	3.8	159
30357	Carbon nanomaterials and amyloid-beta interactions: potentials for the detection and treatment of Alzheimer's disease?. Pharmacological Research, 2019, 143, 186-203.	7.1	42
30358	Carbon nanotubes and its gas-sensing applications: A review. Sensors and Actuators A: Physical, 2019, 291, 107-143.	4.1	190
30359	Effect of the surface curvature on amyloid- β peptide adsorption for graphene. RSC Advances, 2019, 9, 10094-10099.	3.6	8
30360	The origin of self-excited oscillation of double-walled carbon nanotubes. Materials Research Express, 2019, 6, 075033.	1.6	4
30361	Synthesis and Characterization of Te Nanotubes Decorated with Pt Nanoparticles for a Fuel Cell Anode/Cathode Working at a Neutral pH. Catalysts, 2019, 9, 328.	3.5	4
30362	Characterization of Optimal Carbon Nanotubes Under Stretching and Validation of the Cauchy's Born Rule. Archive for Rational Mechanics and Analysis, 2019, 231, 465-517.	2.4	2
30363	Tailoring a robust and recyclable nanobiocatalyst by immobilization of Pseudomonas fluorescens lipase on carbon nanofiber and its application in synthesis of enantiopure carboetomidate analogue. International Journal of Biological Macromolecules, 2019, 133, 1299-1310.	7.5	23

#	ARTICLE	IF	CITATIONS
30364	Dynamic modeling of non-cylindrical curved viscoelastic single-walled carbon nanotubes based on the second gradient theory. Materials Research Express, 2019, 6, 075041.	1.6	31
30365	Nanoparticles as Radiopharmaceutical Vectors. , 2019, , 181-203.		7
30366	Cause of wear-resistance enhancement of a polyurethane film composite by plasma-functionalized carbon nanotubes. Japanese Journal of Applied Physics, 2019, 58, SAAE06.	1.5	8
30367	Biomass based bio-electro fuel cells based on carbon electrodes: an alternative source of renewable energy. SN Applied Sciences, 2019, 1, 1.	2.9	14
30368	Heterocoerdianthrone derivative as dispersant for single-walled carbon nanotubes and formation of thin film. Progress in Organic Coatings, 2019, 132, 221-226.	3.9	1
30369	Carbon Nanotubes Conjugated with Triazole-Based Tetrathiafulvalene-Type Receptors for C ₆₀ Recognition. ChemPlusChem, 2019, 84, 730-739.	2.8	4
30370	Synthesis and characterizations of graphene-based composite film for thermal dissipation. Journal of Alloys and Compounds, 2019, 790, 156-162.	5.5	8
30371	Synthesis characterization, optical and electrical properties of polyvinyl alcohol/multi-walled carbon nanotube nanocomposites: A composition dependence study. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 243, 125-130.	3.5	28
30372	Study of Separation Between CO with H ₂ on Carbon Nanotube by Monte Carlo Simulation in Aluminum Smelter. Minerals, Metals and Materials Series, 2019, , 175-181.	0.4	0
30373	A DFT study on N-6-amino-hexylamide functionalized single-walled carbon nanotubes in interaction with silver ion in a gaseous environment. Journal of Nanostructure in Chemistry, 2019, 9, 39-51.	9.1	8
30374	Growth of CdS nanotubes and their strong optical microcavity effects. Nanoscale, 2019, 11, 5325-5329.	5.6	15
30375	A first blue fluorescence composite film based on graphitic carbon nitride nanosheets/polyoxometalate for application in reversible electroluminescence switching. Journal of Materials Chemistry C, 2019, 7, 3253-3262.	5.5	10
30376	3D Heteroatom-Doped Carbon Nanomaterials as Multifunctional Metal-Free Catalysts for Integrated Energy Devices. Advanced Materials, 2019, 31, e1805598.	21.0	194
30377	A facile and convenient approach to fill carbon nanotubes with various nanoparticles. Ionics, 2019, 25, 3079-3085.	2.4	1
30378	Prospects of nanocarbons in agriculture. , 2019, , 287-326.		4
30379	Nanocarbon/epoxy composites: Preparation, properties, and applications. , 2019, , 421-448.		6
30380	An Introduction to Nanotechnology. Interface Science and Technology, 2019, 28, 1-27.	3.3	128
30381	Time-dependent behavior of viscoelastic three-phase composite plates reinforced by Carbon nanotubes. Composite Structures, 2019, 216, 20-31.	5.8	17

#	ARTICLE	IF	CITATIONS
30382	Enhancement the photocatalytic degradation of methylene blue dye using fabricated CNTs/TiO ₂ /AgNPs/Surfactant nanocomposites. Journal of Water Process Engineering, 2019, 28, 311-321.	5.6	69
30383	Nanomaterials for Combined Thermo-Chemotherapy of Cancer. , 2019, , 287-314.		0
30384	Chemical Approaches to Carbon-Based Metal-Free Catalysts. Advanced Materials, 2019, 31, e1804863.	21.0	90
30385	Recent Developments in Controlled Vapor-Phase Growth of 2D Group 6 Transition Metal Dichalcogenides. Advanced Materials, 2019, 31, e1804939.	21.0	100
30386	Computational Continuum Mechanics of Nanoscopic Structures. Springer Tracts in Mechanical Engineering, 2019, , .	0.3	21
30387	Fundamental Tenets of Nanomechanics. Springer Tracts in Mechanical Engineering, 2019, , 11-39.	0.3	0
30388	Preparation and properties of manipulated carbon nanotube composites and applications. , 2019, , 489-520.		17
30389	Annealing effects on elemental composition and morphological properties of Pd thin films grown on crystalline silicon substrate. Nuclear Instruments & Methods in Physics Research B, 2019, 444, 91-95.	1.4	2
30391	An overview of carbon nanotubes role in heavy metals removal from wastewater. Frontiers of Chemical Science and Engineering, 2019, 13, 274-295.	4.4	56
30392	A Simple Method for Removal of Carbon Nanotubes from Wastewater Using Hypochlorite. Scientific Reports, 2019, 9, 1284.	3.3	24
30393	Nanomaterials in the Development of Biosensor and Application in the Determination of Pollutants in Water. Nanotechnology in the Life Sciences, 2019, , 195-215.	0.6	2
30394	Fillers and Reinforcements for Advanced Nanocomposites. , 2019, , 29-48.		3
30395	Homochiral iron(ii)-based metal-organic nanotubes: metamagnetism and selective nitric oxide adsorption in a confined channel. Chemical Communications, 2019, 55, 2825-2828.	4.1	25
30396	Effect of multi-walled carbon nanotubes on dielectric and electro-optic properties of a high tilt antiferroelectric liquid crystal. Phase Transitions, 2019, 92, 302-315.	1.3	11
30397	Recent advances in carbon-based polymer nanocomposites for electromagnetic interference shielding. Progress in Materials Science, 2019, 103, 319-373.	32.8	490
30398	<p>>Magnetic multiwalled carbon nanotubes with controlled release of epirubicin: an intravesical instillation system for bladder cancer<p>>. International Journal of Nanomedicine, 2019, Volume 14, 1241-1254.	6.7	43
30399	Enhancing fire and mechanical strengths of epoxy nanocomposites for metal/metal bonding of aircraft aluminum alloys. Polymer Composites, 2019, 40, 3691-3702.	4.6	16
30400	Thermal conductivity of carbon nanotube networks: a review. Journal of Materials Science, 2019, 54, 7397-7427.	3.7	274

#	ARTICLE	IF	CITATIONS
30401	Polyacrylonitrile-derived nanostructured carbon materials. Progress in Polymer Science, 2019, 92, 89-134.	24.7	92
30402	Thermal transport in C ₃ N nanotube: a comparative study with carbon nanotube. Nanotechnology, 2019, 30, 255401.	2.6	12
30403	Electronic and optical characteristics of phosphorus-doped carbon nanotubes: a first principle study. Materials Research Express, 2019, 6, 055048.	1.6	4
30404	Characteristic study of irregularity measures of some nanotubes. Canadian Journal of Physics, 2019, 97, 1125-1132.	1.1	25
30405	Carbon Nanotubes and Graphene as Nanoreinforcements in Metallic Biomaterials: a Review. Advanced Biology, 2019, 3, e1800212.	3.0	66
30406	Development of a microcomposite with single-walled carbon nanotubes and Nd ₂ O ₃ for determination of paracetamol in pharmaceutical dosage by adsorptive voltammetry. Journal of Pharmaceutical Analysis, 2019, 9, 62-69.	5.3	35
30407	Exploring Approaches for the Synthesis of Few-Layered Graphdiyne. Advanced Materials, 2019, 31, e1803758.	21.0	67
30408	Progress and Prospects of Graphdiyne-Based Materials in Biomedical Applications. Advanced Materials, 2019, 31, e1804386.	21.0	124
30409	Surface-Modified-CNTs/Al Matrix Nanocomposites Produced via Spark Plasma Sintering: Microstructures, Properties, and Formation Mechanism. , 2019, , 119-159.		4
30410	Design and Analysis of Low-Power Adiabatic Logic Circuits by Using CNTFET Technology. Circuits, Systems, and Signal Processing, 2019, 38, 4338-4356.	2.0	9
30411	Barrier, Diffusion, and Transport Properties of Rubber Nanocomposites Containing Carbon Nanofillers. , 2019, , 253-285.		8
30412	Carbon-based nanocomposite membranes for water and wastewater purification. , 2019, , 23-44.		6
30413	T4,4,4-graphyne: A 2D carbon allotrope with an intrinsic direct bandgap. Solid State Communications, 2019, 293, 23-27.	1.9	15
30414	Excitonic Emission in van der Waals Nanotubes of Transition Metal Dichalcogenides. Annalen Der Physik, 2019, 531, 1800415.	2.4	28
30415	Effect of Confined Spaces in the Catalytic Activity of 1D and 2D Heterogeneous Carbon-Based Catalysts for Synthesis of 1,3,5-Triarylbenzenes: RGO-C ₃ H vs. MWCNTs-C ₃ H. ChemistrySelect, 2019, 4, 1909-1921.	1.5	7
30416	Nanomaterials for CO ₂ Hydrogenation. Environmental Chemistry for A Sustainable World, 2019, , 173-214.	0.5	2
30417	Nanostructured Materials for Energy Related Applications. Environmental Chemistry for A Sustainable World, 2019, , .	0.5	5
30418	Resonant and Non-resonant Solutions of the Non-linear Vibration of SWCNTs Embedded in Viscous Elastic Matrix Using KBM Method. Springer Proceedings in Physics, 2019, , 89-98.	0.2	0

#	ARTICLE	IF	CITATIONS
30419	Advanced carbon electrode for electrochemical capacitors. Journal of Solid State Electrochemistry, 2019, 23, 1061-1081.	2.5	43
30420	Rapid and versatile pre-treatment for quantification of multi-walled carbon nanotubes in the environment using microwave-induced heating. Environmental Science and Pollution Research, 2019, 26, 13999-14012.	5.3	0
30421	Application of nanomaterials in alkali-activated materials. , 2019, , 97-121.		11
30422	Graphene and CNT Technology. , 2019, , 3-26.		5
30423	Chain- and chainmail-like nanostructures from carbon nanotube rings. Computational Materials Science, 2019, 161, 76-82.	3.0	3
30424	Determination of the contribution of a phonon and a magnetic field to the chemical properties of the hydrogen molecule using the density functional theory approach. Physica B: Condensed Matter, 2019, 560, 197-203.	2.7	1
30425	Effect of entrapped Ni nanoparticles on the electrical conductivity and current-induced breakdown of MWCNTs. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 110, 32-38.	2.7	1
30426	Analytical and computational studies of the nonlinear vibrations of SWCNTs embedded in viscous elastic matrix using KBM method. Chaos, 2019, 29, 023134.	2.5	5
30427	Evaluation of shear properties of carbon nanotube reinforced functionally graded honeycomb composite materials. AIP Conference Proceedings, 2019, , .	0.4	1
30428	Impact of topological line defects on wall roughness and thermal conductivity of carbon nanotubes: A molecular dynamics study. AIP Advances, 2019, 9, .	1.3	7
30429	Hückel Molecular Orbital Quantities of {X,Y}-Cyclacene Graphs Under Next-Nearest-Neighbour Approximations in Analytical Forms. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2019, 74, 469-488.	1.5	2
30430	Low-Hysteresis and Fast Response Time Humidity Sensors Using Suspended Functionalized Carbon Nanotubes. Sensors, 2019, 19, 680.	3.8	32
30431	Diamond nanothreads as novel nanofillers for cross-linked epoxy nanocomposites. Composites Science and Technology, 2019, 174, 84-93.	7.8	30
30432	Tuning the magnetic properties of beryllium chains. Physical Chemistry Chemical Physics, 2019, 21, 6080-6086.	2.8	2
30433	A conductive cell-imprinted substrate based on CNT-PDMS composite. Biotechnology and Applied Biochemistry, 2019, 66, 445-453.	3.1	2
30434	Synthesis of Hydrogen-Substituted Graphyne Film for Lithium-Sulfur Battery Applications. Small, 2019, 15, 1805344.	10.0	42
30435	Studies of Multi-walled Carbon Nanotubes and Their Capabilities of Hydrogen Adsorption. Environmental Chemistry for A Sustainable World, 2019, , 145-162.	0.5	0
30436	Charge transference and conformational stress influence on the electronic properties of zigzag carbon nanowires. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	1

#	ARTICLE	IF	CITATIONS
30437	Dependence of the surface-assisted fullerene-based complex structure on the template molecule design. Nano Research, 2019, 12, 1509-1537.	10.4	7
30438	Structural and electronic properties of nanotubes constructed from fragmented fullerenes. Carbon, 2019, 147, 616-627.	10.3	10
30439	Strong Light-Matter Coupling in Carbon Nanotubes as a Route to Exciton Brightening. ACS Photonics, 2019, 6, 904-914.	6.6	27
30440	Two-phonon Raman scattering in graphene. AIP Conference Proceedings, 2019, , .	0.4	0
30441	Femtosecond Laser Irradiation of Carbon Nanotubes to Metal Electrodes. Applied Sciences (Switzerland), 2019, 9, 476.	2.5	35
30442	Microscopic Analysis and Characterization of Natural Rubber Containing Carbon Fillers. , 2019, , 225-251.		0
30443	An electrochemical aptasensor for highly sensitive detection of zearalenone based on PEI-MoS ₂ -MWCNTs nanocomposite for signal enhancement. Analytica Chimica Acta, 2019, 1060, 71-78.	5.4	71
30444	How does acetonitrile modulate single-walled carbon nanotube diameter during CVD growth?. Carbon, 2019, 146, 535-541.	10.3	11
30445	Interface interaction and synergistic strengthening behavior in pure copper matrix composites reinforced with functionalized carbon nanotube-graphene hybrids. Carbon, 2019, 146, 736-755.	10.3	110
30446	Density functional theory study on the effect of tensile deformation on the electrical structure of O adsorbed graphyne. Chinese Journal of Physics, 2019, 58, 212-221.	3.9	5
30447	Dynamic response of Carbon-Nanotube-Reinforced-Polymer materials based on multiscale finite element analysis. Composites Part B: Engineering, 2019, 166, 497-508.	12.0	19
30448	Synthesis of asymmetric zinc phthalocyanine supported on multi-walled carbon nanotubes and its improvement of catalytic activity on styrene oxidation. Journal of Materials Science: Materials in Electronics, 2019, 30, 6277-6286.	2.2	9
30449	Preparation and characterization of functionalized MWCNTs-COOH with 3-amino-5-phenylpyrazole as an adsorbent and optimization study using central composite design. Carbon Letters, 2019, 29, 1-20.	5.9	21
30450	Arc-produced short-length multi-walled carbon nanotubes as “building stones” for the preparation of graphene-like nanoplatelets. Carbon, 2019, 146, 779-784.	10.3	8
30451	Electronic properties of single and double napped carbon nanocones. European Physical Journal B, 2019, 92, 1.	1.5	3
30452	Effect of carbon nanotube waviness on smart damping of geometrically nonlinear vibrations of fuzzy-fiber reinforced composite plates. Journal of Intelligent Material Systems and Structures, 2019, 30, 977-997.	2.5	6
30453	Formation mechanism of MgO hollow nanospheres via calcination of C-MgO composite produced by electric arc spraying. Ceramics International, 2019, 45, 7338-7343.	4.8	9
30454	Carbon-based materials as adsorbent for antibiotics removal: Mechanisms and influencing factors. Journal of Environmental Management, 2019, 237, 128-138.	7.8	266

#	ARTICLE	IF	CITATIONS
30455	Effect of iron overload from multi walled carbon nanotubes on neutrophil-like differentiated HL-60 cells. Scientific Reports, 2019, 9, 2224.	3.3	23
30456	Curve Effect on Singlet Diradical Contribution in KekulÃ©-type Diradicals: A Sensitive Probe for Quinoidal Structure in Curved Î€-Conjugated Molecules. Molecules, 2019, 24, 209.	3.8	4
30457	Enhanced Failure Load Bearing in Adhesively Bonded Strap Repairs: Numerical Analysis and Experimental Results. Journal of Failure Analysis and Prevention, 2019, 19, 182-192.	0.9	1
30458	Light weight, ultrathin, and "thermally-clickable" self-healing MWNT patch as electromagnetic interference suppressor. Chemical Engineering Journal, 2019, 366, 72-82.	12.7	48
30459	Nonlinear primary and super-harmonic resonances of functionally graded carbon nanotube reinforced composite beams. International Journal of Mechanical Sciences, 2019, 153-154, 321-340.	6.7	35
30460	Boundary layer transition detection on wind tunnel models in PETW during continuous pitch traverse. , 2019, , .		4
30461	Entropy Generation of Carbon Nanotubes Flow in a Rotating Channel with Hall and Ion-Slip Effect Using Effective Thermal Conductivity Model. Entropy, 2019, 21, 52.	2.2	33
30462	TEMPO in Chemical Transformations: From Homogeneous to Heterogeneous. ACS Catalysis, 2019, 9, 2777-2830.	11.2	125
30463	Nanocarbon and its composites for water purification. , 2019, , 711-731.		11
30464	Applications of Carbon-Based Nanofiller-Incorporated Rubber Composites in the Fields of Tire Engineering, Flexible Electronics and EMI Shielding. , 2019, , 441-472.		7
30465	DFT studies of nanomaterials designed by the functionalization of modified carboxylated carbon nanotubes with biguanide derivatives for nanomedical, nonlinear and electronic applications. Chinese Journal of Physics, 2019, 58, 253-262.	3.9	14
30466	A kind of conical cup-stacked carbon nanotube. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 417-422.	2.1	9
30467	Electron Transport in the Assemblies of Multiwall Carbon Nanotubes. , 0, , .		2
30468	Adhesive-free joining and application for flexible devices - a review. IOP Conference Series: Materials Science and Engineering, 2019, 613, 012004.	0.6	0
30469	MANNOSYLATED MULTIWALLED CARBON NANOTUBES ASSISTED ARTESUNATE DELIVERY FOR CEREBRAL MALARIA. International Journal of Applied Pharmaceutics, 0, , 24-30.	0.3	2
30470	Novel functionalization treatment of MWCNTs for unmanned aerial vehicle structure. IOP Conference Series: Materials Science and Engineering, 2019, 610, 012060.	0.6	3
30471	Static analysis of carbon nanotube-reinforced FG shells using an efficient solid-shell element with parabolic transverse shear strain. Engineering Computations, 2019, 37, 823-849.	1.4	16
30472	ECAISS 2019 Organizing Committee. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
30473	Chemical Vapor Deposition of Helical Carbon Nanofibers. , 2019, , .		1
30474	Hard Pure-Gold and Gold-CNT Composite Plating Using Electrodeposition Technique with Environmentally Friendly Sulfite Bath. , 2019, , .		0
30475	Intranasal Delivery of Nanotherapeutics/ Nanobiotherapeutics for the Treatment of Alzheimer's Disease: A Proficient Approach. Critical Reviews in Therapeutic Drug Carrier Systems, 2019, 36, 373-447.	2.2	12
30476	Optimisation of carbon nanotubes for advanced diagnosis and biomedical application. International Journal of Nanoparticles, 2019, 11, 217.	0.3	2
30477	Bonding Optimization in Piezoelectric and Magnetostrictive Laminate Composites. , 2019, , .		0
30478	Carbon Nanotube from Unconventional Precursor-Optimization of Synthesis Parameters. , 0, , .		0
30479	Fractal Structures of the Carbon Nanotube System Arrays. , 0, , .		0
30480	Functionalized Carbon Nanotubes for Detection of Volatile Organic Pollutant. , 2019, , .		2
30481	Static buckling and vibration analysis of continuously graded ceramic-metal beams using a refined higher order shear deformation theory. Multidiscipline Modeling in Materials and Structures, 2019, 15, 1152-1169.	1.3	10
30482	Radiation and non-uniform heat sink/source effects on 2D MHD flow of CNTs-H ₂ O nanofluid over a flat porous plate. Multidiscipline Modeling in Materials and Structures, 2019, 16, 791-809.	1.3	16
30483	TEM studies of conical scroll carbon nanotubes formed by aerosol synthesis. IOP Conference Series: Materials Science and Engineering, 2019, 693, 012017.	0.6	1
30484	Vibration Characteristics of Single-Walled Carbon Nanotubes Based on Nonlocal Elasticity Theory Using Wave Propagation Approach (WPA) Including Chirality. , 2019, , .		5
30485	Synthesis and characterisation of VG nanosheets on silica aerogel by plasma-enhanced chemical vapour deposition method. Micro and Nano Letters, 2019, 14, 595-599.	1.3	2
30486	Motion control of nanomanipulation platform based on feedforward compensation inside SEM. , 2019, , .		1
30487	Design and Simulation of Resistor Less Active Filter Using 22-nm CNTFET-Current Conveyor-II. , 2019, , .		2
30488	Simulation modelling for productivity improvement of sorting process in a ceramic plant. , 2019, , .		0
30489	Functionalization and strengthening of graphitized untwisted carbon nanotube yarn with hot mixed acid treatment. Transactions of the JSME (in Japanese), 2019, 85, 19-00029-19-00029.	0.2	1
30490	Grating Coupler Biosensor with a Low Refractive Index Buffer Layer for Bulk and Surface Sensitivity Enhancements. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
30491	Characterization of a Porous BMP-6-Loaded Composite Scaffold for Bone Regeneration in Rat Calvarial Bone Defects. Journal of Hard Tissue Biology, 2019, 28, 217-224.	0.4	3
30492	Surface Modification of Multi-Walled Carbon Nanotubes Using Acetic Anhydride and its Effects on Poly(butylenesadipate-co-terephthalate) Based Composite. Polymer Science - Series A, 2019, 61, 897-905.	1.0	2
30493	Computational Comparison Between MPC and SR-MPC For Fast Dynamic System in Presence of Hard Constraints. , 2019, , .		1
30494	Optical detection of a subatomic particle with an ultrahigh-resolution carbon sensor. Laser Physics Letters, 2019, 16, 116001.	1.4	2
30495	13. Toward Well-Defined Carbon Nanotubes and Graphene Nanoribbons. , 2019, , 327-352.		0
30496	Cytotoxicity effects and ionic diffusion of single-wall carbon nanotubes in cell membrane. Journal of Micromechanics and Molecular Physics, 2019, 04, 1950006.	1.2	7
30497	Cytotoxicity Evaluation of Carbon Nanotubes for Biomedical and Tissue Engineering Applications. , 0, , .		7
30498	<p><Toxicity of Carbon Nanotubes as Anti-Tumor Drug Carriers</p>. International Journal of Nanomedicine, 2019, Volume 14, 10179-10194.	6.7	57
30499	Composite tin/carbon material synthesis by arc discharge at different helium pressures. Journal of Physics: Conference Series, 2019, 1382, 012158.	0.4	0
30500	Cooperative Carbon Nanotube Nanomanipulation For Field Effect Transistor. , 2019, , .		0
30501	Quantum Rainbows in Positron Transmission through Carbon Nanotubes. Atoms, 2019, 7, 16.	1.6	9
30502	Nanotechnology: A non-invasive diagnosis and therapeutic tool for brain disorders. African Journal of Pharmacy and Pharmacology, 2019, 13, 118-123.	0.3	3
30503	Simulation of Carbon Nanotube-Based Enhancement of Cellular Electroporation under Nanosecond Pulsed Electric Fields. BioMed Research International, 2019, 2019, 1-10.	1.9	1
30504	Multifunctional Carbon Nanotubes Enhanced Structural Composites with Improved Toughness and Damage Monitoring. Journal of Composites Science, 2019, 3, 109.	3.0	10
30505	Synthesis of conductive films based on oxidized carbon nanotubes. Journal of Physics: Conference Series, 2019, 1368, 022052.	0.4	0
30506	Performance comparison between Graphene Nano-Ribbon FET & conventional CMOS based on Arithmetic Logic Unit (ALU). , 2019, , .		1
30507	CERAMIC COMPOSITE BASED ON ZIRCONIA REINFORCED BY SINGLE-WALLED CARBON NANOTUBES. Nanotechnologies in Russia, 2019, 14, 118-124.	0.7	13
30508	Investigation of Q-switched and Mode-Locked Erbium-Doped Fiber Laser Using Graphene oxide-Saturable Absorber. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
30509	Geometrically Nonlinear Analysis of Carbon Nanotube Reinforced Functionally Graded Structures Integrated with Piezoelectric Materials. , 2019, , .		0
30510	Enhanced tensile properties of weight-reduced nanoporous carbon nanotube-aluminum composites. Materials Express, 2019, 9, 801-807.	0.5	5
30511	Advantages and Limitations of CNT-Polymer Composites in Medicine and Dentistry. , 2019, , .		1
30512	Smart SWCNT ECG Electrodes for Continuous and Long-term Monitoring. , 2019, , .		0
30513	Two-dimensional ultra-short optical pulses in carbon nanotubes with acoustic field. EPJ Web of Conferences, 2019, 220, 03029.	0.3	0
30514	Colloidal and rheological characterization of SWCNT in biological media. International Journal of Smart and Nano Materials, 2019, 10, 300-315.	4.2	2
30515	The impact of carbon atoms on boron nitride nanotubes. Journal of Physics: Conference Series, 2019, 1326, 012007.	0.4	1
30516	Pd@MC-PVA composite electrocatalyst for ethanol electrochemical oxidation. IOP Conference Series: Materials Science and Engineering, 2019, 612, 022110.	0.6	0
30517	Performance Analysis of High- κ Dielectric Based Double-gate Carbon Nanotube MOSFET. , 2019, , .		0
30518	Propagation Process of Streamers and Time History of Reduced Electric Field During Nanosecond Pulsed Discharge in Coaxial Electrode in Atmospheric Air. , 2019, , .		0
30519	Symposium on Services Computing Program Committee. , 2019, , .		0
30520	Impact of Gate Dielectric on Drain Current, Gate Capacitance and Trans-conductance for MOSFET, Nanowire FET and CNTFET Devices. , 2019, , .		3
30521	Production of CNT Yarns from Methane Gas for Use as Filaments in Incandescent Bulbs: Thermodynamic Properties of As-spun CNT Yarns. Journal of Physics: Conference Series, 2019, 1378, 022019.	0.4	1
30522	Non-Planarization Cu-Cu Direct Bonding and Gang Bonding with Low Temperature and Short Duration in Ambient Atmosphere. , 2019, , .		3
30523	Counting Devices: Revisiting Existing Approaches in Today's Settings. , 2019, , .		3
30524	Carbon Materials as Cathode Constituents for Electrochemical CO ₂ Reduction—A Review. Journal of Carbon Research, 2019, 5, 83.	2.7	9
30525	Advancements of Second Near-Infrared Biological Window Fluorophores: Mechanism, Synthesis, and Application In Vivo. Topics in Medicinal Chemistry, 2019, , 81-123.	0.8	3
30526	Epoxy nanocomposites based on MWCNT. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
30527	Deformation Effect on Water Transport through Nanotubes. <i>Energies</i> , 2019, 12, 4424.	3.1	7
30528	CNT based Wearable ECG Sensors. , 2019, , .		0
30529	Humic acid assisted stabilization of dispersed single-walled carbon nanotubes in cementitious composites. <i>Nanotechnology Reviews</i> , 2019, 8, 513-522.	5.8	12
30530	Electrodeposition of Sn and Sn Composites with Carbon Materials Using Choline Chloride-Based Ionic Liquids. <i>Coatings</i> , 2019, 9, 798.	2.6	7
30531	Nanomaterialsâ€based gas sensors of SF ₆ decomposed species for evaluating the operation status of highâ€voltage insulation devices. <i>High Voltage</i> , 2019, 4, 242-258.	4.7	124
30532	The Influence of Soft-Epitaxial Crystallization on Polyamide 66/Carbon Nanotubes Composite Injection Bar. <i>Polymer Science - Series A</i> , 2019, 61, 906-912.	1.0	2
30533	Flexible Carbon Nanotube Sensors with Screen Printed and Interdigitated Electrodes. , 2019, , .		1
30534	Nonlinear coupled axialâ€torsional vibration of singleâ€walled carbon nanotubes using homotopy perturbation method. <i>Micro and Nano Letters</i> , 2019, 14, 1366-1371.	1.3	5
30535	Synthesis and Gas-Sensing Properties of MnO ₂ â€x and MnO ₂ â€x/CuO-Coated Multiwalled Carbon Nanotube Nanocomposites. <i>Physics of the Solid State</i> , 2019, 61, 2224-2227.	0.6	2
30537	Superconducting Single-Layer T-Graphene and Novel Synthesis Routes*. <i>Chinese Physics Letters</i> , 2019, 36, 097401.	3.3	61
30538	Multiwall carbon nanotube promising route for removal of chromium from wastewater via batch column mechanism. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 495, 012061.	0.6	4
30540	Adsorption of Phosgene on Titanium Doped Graphene Nanoribbons: A DFT Study. <i>IEEE Nanotechnology Magazine</i> , 2019, 18, 1174-1180.	2.0	4
30541	Review of Electrochemical DNA Biosensors for Detecting Food Borne Pathogens. <i>Sensors</i> , 2019, 19, 4916.	3.8	67
30542	Synthesis of multiwall carbon nanotubes via an inert atmosphere absent autogenetic-pressure method for supercapacitor. <i>Journal of Energy Storage</i> , 2019, 26, 100995.	8.1	20
30543	A Review of Chipless Remote Sensing Solutions Based on RFID Technology. <i>Sensors</i> , 2019, 19, 4829.	3.8	36
30544	Zagreb Connection Number Index of Nanotubes and Regular Hexagonal Lattice. <i>Open Chemistry</i> , 2019, 17, 75-80.	1.9	25
30545	Functionalization of Carbon Nanomaterials for Biomedical Applications. <i>Journal of Carbon Research</i> , 2019, 5, 72.	2.7	47
30546	A combination of graphene and graphene nanoplatelets: An effective way to improve thermal conductivity for polymers. <i>Results in Physics</i> , 2019, 15, 102803.	4.1	8

#	ARTICLE	IF	CITATIONS
30547	Optimization of MWCNTs/Epoxy for High Strain Sensor Performance. , 2019, , .		0
30548	Individual Solubilization Behavior of Single-Walled Carbon Nanotubes by Riboflavin (Vitamin B2) in Water and Its Analyses Using Regression Approach and Computational Simulations. Bulletin of the Chemical Society of Japan, 2019, 92, 1679-1683.	3.2	4
30549	A Non-Linear Spring Model for Predicting Modal Behavior of Oscillators Built from Double Walled Carbon Nanotubes. Journal of Nano Research, 0, 60, 21-32.	0.8	3
30550	Nanomaterial Production by Arc Discharge Sputtering of Silicon-Graphite and Silica-Graphite Composite Anodes. Key Engineering Materials, 2019, 805, 94-99.	0.4	0
30551	Improvements on Mechanical Property and Microstructure of Cementitious Composite Incorporated with Silica Fume and Carbon Nanotube. Solid State Phenomena, 2019, 298, 167-171.	0.3	0
30552	A Modified Energy Method for Equilibrium Structure and Strain Energy of Armchair Single-Walled Carbon Nanotubes. Solid State Phenomena, 2019, 298, 202-207.	0.3	0
30553	An insight into the outer- and inner-sphere electrochemistry of oxygenated single-walled carbon nanohorns (o-SWCNHs). New Journal of Chemistry, 2019, 43, 18210-18219.	2.8	7
30554	Impurity assisted hopping conduction and persistent photoconductivity in disordered carbon nanoparticle film. Journal of Applied Physics, 2019, 126, 225102.	2.5	11
30555	Optically Modulated Tunable O-Band Praseodymium-Doped Fluoride Fiber Laser Utilizing Multi-Walled Carbon Nanotube Saturable Absorber [*] . Chinese Physics Letters, 2019, 36, 104202.	3.3	7
30556	Selective capturing of phenolic derivative by a binary metal oxide microcubes for its detection. Scientific Reports, 2019, 9, 19234.	3.3	32
30557	CNT based electrodes (wearable & textile-based) for cardiac monitoring in long term & continuous fashion. AIP Conference Proceedings, 2019, , .	0.4	5
30558	Fabrication of CNTs reinforced copper composite powders by electrochemical co-deposition. Integrated Ferroelectrics, 2019, 201, 249-257.	0.7	4
30559	A comparative study of electrical aging of multiwalled carbon nanotubes and carbon black filled cross-linked polyethylene. Nanocomposites, 2019, 5, 95-103.	4.2	2
30560	pH-Controlled fluorescence switching in water-dispersed polymer brushes grafted to modified boron nitride nanotubes for cellular imaging. Beilstein Journal of Nanotechnology, 2019, 10, 2428-2439.	2.8	11
30561	A Water Soluble Single Walled Carbon Nanotube Aryl Aziridino Carboxylic Acid Decorated Mn (II) Complex Increased Root Growth in Arabidopsis thaliana. ChemistrySelect, 2019, 4, 13604-13609.	1.5	0
30562	Contact-Induced Phase Separation of Alloy Catalyst to Promote Carbon Nanotube Growth. Physical Review Letters, 2019, 123, 256101.	7.8	17
30563	Surface Functionalization of Carbon Nanotubes for Energy Applications. , 0, , .		1
30564	Behavior of X-Ray Analysis of Carbon Nanotubes. , 0, , .		10

#	ARTICLE	IF	CITATIONS
30565	Efficient chemical vapour deposition and arc discharge system for production of carbon nano-tubes on a gram scale. Review of Scientific Instruments, 2019, 90, 123903.	1.3	7
30566	Functionalized Carbon Nanotube Excited States and Optical Properties. ACS Symposium Series, 2019, , 181-207.	0.5	1
30567	Equivalent failure model of force-electric load and dielectric properties on epoxy resin-based three-dimensional composites. Materials Research Express, 2019, 6, 1250b2.	1.6	0
30568	Topological Characterization of the Full k-Subdivision of a Family of Partial Cubes and Their Applications to Γ -Types of Novel Graphyne and Graphdiyne Materials. Polycyclic Aromatic Compounds, 2019, , 1-23.	2.6	12
30569	Nickel impregnated multi-walled carbon nanotubes (Ni/MWCNT) as active catalyst materials for efficient and platinum-free dye-sensitized solar cells (DSSCs). Sustainable Energy and Fuels, 2019, 3, 3473-3480.	4.9	12
30570	Electrochemistry of Controlled Diameter Carbon Nanotube Fibers at the Cross Section and Sidewall. ACS Applied Energy Materials, 2019, 2, 8757-8766.	5.1	8
30571	Effect of sonication in enhancing the uniformity of MWCNT distribution in aluminium alloy AA2219 matrix. Materials Today: Proceedings, 2019, 18, 4058-4066.	1.8	4
30572	Atomistic Simulation of a New Label-Free DNA Nanosensor Based on Ballistic Carbon Nanotube Field-Effect Transistor. , 2019, , .		2
30573	Improving the Acid and Base Resistance of Polyurethane Using Carbon Nanotubes. Macromolecular Chemistry and Physics, 2019, 220, 1900235.	2.2	3
30574	Effect of aspect ratio of multi-wall carbon nanotubes on the dispersion in ethylene- α -octene block copolymer and the properties of the Nanocomposites. Journal of Polymer Research, 2019, 26, 1.	2.4	19
30575	Uniaxial Stretching-Induced Alignment of Carbon Nanotubes in Cross-Linked Elastomer Enabled by Dynamic Cross-Link Reshuffling. ACS Macro Letters, 2019, 8, 1575-1581.	4.8	43
30576	Rheological Evaluation of Carbon Nanotube Redistribution in Polymer Melt. Nihon Reoroji Gakkaishi, 2019, 47, 105-110.	1.0	6
30577	The Effect of Carbon Nanofibers Surface Properties in Hydrogenation and Dehydrogenation Reactions. Applied Sciences (Switzerland), 2019, 9, 5061.	2.5	6
30578	Aligned High Density Semi-Conductive Ultra-Small Single-Walled Carbon Nanotubes. ChemistrySelect, 2019, 4, 12676-12679.	1.5	0
30579	Carbon nanotube digital electronics. Nature Electronics, 2019, 2, 499-505.	26.0	111
30580	Coral endosymbionts (Symbiodiniaceae) emit species-specific volatiles that shift when exposed to thermal stress. Scientific Reports, 2019, 9, 17395.	3.3	35
30581	Multicomponent Plasmonic Nanoparticles: From Heterostructured Nanoparticles to Colloidal Composite Nanostructures. Chemical Reviews, 2019, 119, 12208-12278.	47.7	289
30582	Carbon nanotube array as a van der Waals two-dimensional hyperbolic material. Physical Review B, 2019, 100, .	3.2	7

#	ARTICLE	IF	CITATIONS
30583	The Influence of Technological Parameters of Cold Gas Dynamic Spraying on Wear Resistance of Aluminum–Carbon Nanofibers Coatings. Inorganic Materials: Applied Research, 2019, 10, 1365-1371.	0.5	1
30584	In-Situ Formation of Carbon Nanofiber Hybrid Architectures for Functional Devices. MRS Advances, 2019, 4, 1869-1875.	0.9	0
30585	Nanomaterials towards Biosensing of Alzheimer’s Disease Biomarkers. Nanomaterials, 2019, 9, 1663.	4.1	54
30586	Electrical Properties of Silver-Attached Amine Functionalized Carbon Black/Polyethylene Terephthalate Fibers Prepared by Melt-Spinning. Polymers, 2019, 11, 1611.	4.5	3
30587	Effect of microwave treatment exposure time on functionalization and purification of multi-walled carbon nanotubes (MWCNTs). Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	4
30588	Potential Applications of Hybrid Nanocomposites. Materials Today: Proceedings, 2019, 18, 5327-5331.	1.8	11
30589	Influence of TiO ₂ and MWCNT nanoparticles dispersion on microstructure and mechanical properties of Al6061 matrix hybrid nanocomposites. Materials Research Express, 2019, 6, 1265f3.	1.6	14
30590	Flexible Ag/FMWCNT Electrode Fabricated Through Benign Reducing Agent for Sensor Application. Journal of the Electrochemical Society, 2019, 166, D916-D922.	2.9	2
30591	EFFECTIVE THERMAL CONDUCTIVITY OF CARBON NANOTUBE-BASED NANOFLUIDS AT HIGH TEMPERATURES. Heat Transfer Research, 2019, 50, 967-975.	1.6	0
30592	Effect of Sintered Reinforcement on Characteristics of MWCNT-Reinforced Aluminum Alloy Composite via Friction Stir Processing. Materials Transactions, 2019, 60, 1018-1025.	1.2	2
30593	The Role of Functionalization in the Applications of Carbon Materials: An Overview. Journal of Carbon Research, 2019, 5, 84.	2.7	51
30594	Heat Transfer Enhancement by Coupling of Carbon Nanotubes and SiO ₂ Nanofluids: A Numerical Approach. Processes, 2019, 7, 937.	2.8	13
30595	Synthesis of Carbon Nanotubes by Catalytic Chemical Vapor Deposition. , 0, .		23
30596	Development of a fully automated desktop chemical vapor deposition system for programmable and controlled carbon nanotube growth. Micro and Nano Systems Letters, 2019, 7, .	3.7	9
30597	Synthesizing carbon nanotubes in space. Astronomy and Astrophysics, 2019, 631, A54.	5.1	12
30598	Tensile, torsional and bending behavior of multi-walled carbon nanotube reinforced polyurethane composites. International Journal of Plastics Technology, 2019, 23, 177-187.	3.1	7
30599	A three-stage rotary transmission nanobearing driven by a gigahertz nanomotor. AIP Advances, 2019, 9, 105306.	1.3	3
30600	Nanomaterials for Regenerative Medicine. Pancreatic Islet Biology, 2019, .	0.3	1

#	ARTICLE	IF	CITATIONS
30601	The Fabrication of 2D Cu-Based MOF Nanosheets for DNA Detection. Australian Journal of Chemistry, 2019, 72, 939.	0.9	3
30602	Advanced drug delivery systems: New nanomedication technologies. , 2019, , 1-29.		1
30603	Modification of Carbon-Nanotube Wettability by Ion Irradiation. Semiconductors, 2019, 53, 1683-1687.	0.5	7
30604	Investigation on electrical properties of Cu matrix composite reinforced by multi-walled carbon nanotubes. Materials Today: Proceedings, 2019, 18, 3201-3208.	1.8	15
30605	Ab initio Theoretical Investigation of Dopants for Ultrahigh Conductivities in Single Wall Carbon Nanotubes. , 2019, , .		1
30606	Structural, mechanical and corrosion properties of CNT-304 stainless steel nanocomposites. Progress in Natural Science: Materials International, 2019, 29, 595-602.	4.4	14
30607	Electronic structure of ZnO/CdX (X= S, Se, Te) core/shell nanowires: DFT study. AIP Conference Proceedings, 2019, , .	0.4	3
30608	Carbon nanotube-based matrices for tissue engineering. , 2019, , 323-353.		4
30609	Carbon-based materials for stable, cheaper and large-scale processable perovskite solar cells. Energy and Environmental Science, 2019, 12, 3437-3472.	30.8	223
30610	Facile growth of carbon nanotubes using microwave ovens: the emerging application of highly efficient domestic plasma reactors. Nanoscale Advances, 2019, 1, 4546-4559.	4.6	13
30611	A dry chemical method for dispersing Ir nanoparticles in the pores of activated carbon and their X-ray absorption spectroscopy analysis. New Journal of Chemistry, 2019, 43, 17927-17931.	2.8	7
30612	Toxicity testing of MWCNTs to aquatic organisms. RSC Advances, 2019, 9, 36707-36716.	3.6	19
30613	Polypyrrole nanoparticles-based soft actuator for artificial muscle applications. RSC Advances, 2019, 9, 39721-39734.	3.6	21
30614	Carbon nanotube reinforced polyvinyl alcohol/biphasic calcium phosphate scaffold for bone tissue engineering. RSC Advances, 2019, 9, 38998-39010.	3.6	40
30615	Immobilized TiO ₂ nanoparticles on carbon nanotubes: an efficient heterogeneous catalyst for the synthesis of chromeno[<i>b</i>]pyridine derivatives under ultrasonic irradiation. RSC Advances, 2019, 9, 41868-41876.	3.6	45
30616	Laser-induced carbon nanotube microcapsules formation through depletion enhanced deposition. AIP Advances, 2019, 9, 095062.	1.3	2
30617	Directional Gradientless Thermoexcited Rotating System Based on Carbon Nanotubes and Graphene. Journal of Nanomaterials, 2019, 2019, 1-9.	2.7	2
30618	Toward the Synthesis of Highly Processable Long-Chain Carbyne Using Multilevel Pulse Injection. Journal of Nanomaterials, 2019, 2019, 1-8.	2.7	3

#	ARTICLE	IF	CITATIONS
30619	Cadmium selenide nanowires from growth to applications. <i>Materials Research Express</i> , 2019, 6, 122007.	1.6	8
30620	A superhard carbon allotrope: sc-C46 carbon. <i>Europhysics Letters</i> , 2019, 128, 36003.	2.0	2
30621	Modeling adsorption of organic pollutants onto single-walled carbon nanotubes with theoretical molecular descriptors using MLR and SVM algorithms. <i>Chemosphere</i> , 2019, 214, 79-84.	8.2	35
30622	Carbon Nanotube-Based Fuel Cell Catalysts-Comparison with Carbon Black. <i>Nanostructure Science and Technology</i> , 2019, , 1-28.	0.1	1
30623	Designing Catalysts for Chirality-Selective Synthesis of Single-Walled Carbon Nanotubes: Past Success and Future Opportunity. <i>Advanced Materials</i> , 2019, 31, e1800805.	21.0	59
30624	Non-equatorial space elevator design approach. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 3235-3243.	1.3	4
30625	Insights on the design of a novel multicomponent microwave absorber based on SrFe ₁₀ Al ₂ O ₁₉ and Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ /MWCNTs/polypyrrole. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 471, 30-38.	2.3	31
30626	Influence of electric charge on the stability of graphite-like BC ₂ . <i>Journal of Solid State Chemistry</i> , 2019, 269, 113-117.	2.9	2
30627	Postbuckling behavior of CNT-reinforced composite cylindrical shell surrounded by an elastic medium and subjected to combined mechanical loads in thermal environments. <i>Journal of Thermoplastic Composite Materials</i> , 2019, 32, 1319-1346.	4.2	24
30628	Effect of preparation methods on electrical and electromagnetic interference shielding properties of PMMA/MWCNT nanocomposites. <i>Polymer Composites</i> , 2019, 40, E1786-E1800.	4.6	12
30629	Synthesis of CNTs on stainless steel microfibrinous composite by CVD: Effect of synthesis condition on carbon nanotube growth and structure. <i>Composites Part B: Engineering</i> , 2019, 160, 369-383.	12.0	76
30630	Microstructures and Mechanical Properties of the Sn58wt.%Bi Composite Solders with Sn Decorated MWCNT Particles. <i>Journal of Electronic Materials</i> , 2019, 48, 1746-1753.	2.2	7
30631	A novel catalase mimicking nanocomposite of Mn(II)-poly-L-histidine-carboxylated multi walled carbon nanotubes and the application to hydrogen peroxide sensing. <i>Analytical Biochemistry</i> , 2019, 567, 51-62.	2.4	22
30632	Creep performance of CNT polymer nanocomposites -An emphasis on viscoelastic interphase and CNT agglomeration. <i>Composites Part B: Engineering</i> , 2019, 168, 274-281.	12.0	139
30633	Cyclodextrin-modified polycarboxylate superplasticizers as dispersant agents for multiwalled carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47311.	2.6	8
30634	Nanobiosensor approaches for pollutant monitoring. <i>Environmental Chemistry Letters</i> , 2019, 17, 975-990.	16.2	26
30635	Study on the carbon nanotubes reinforced nanocomposite coatings. <i>Diamond and Related Materials</i> , 2019, 91, 247-254.	3.9	12
30636	Electrochemical behaviour of suspended redox-tagged carbon nanotubes at a rotating disc electrode. <i>Electrochemistry Communications</i> , 2019, 99, 32-35.	4.7	9

#	ARTICLE	IF	CITATIONS
30637	Comparative study of single-layer graphene and single-walled carbon nanotube-filled epoxy nanocomposites based on mechanical and thermal properties. <i>Polymer Composites</i> , 2019, 40, E1840.	4.6	13
30638	Ab initio investigation into the physisorption of noble gases on graphene. <i>Surface Science</i> , 2019, 682, 38-42.	1.9	12
30639	In Situ Synthesis of Diatomite-Carbon Nanotube Composite Adsorbent and Its Adsorption Characteristics for Phenolic Compounds. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 360-371.	1.9	18
30640	On-Surface Synthesis of Graphyne-Based Nanostructures. <i>Advanced Materials</i> , 2019, 31, e1804087.	21.0	49
30641	Critical parameters of carbon nanotube reinforced composites for structural health monitoring applications: Empirical results versus theoretical predictions. <i>Composites Science and Technology</i> , 2019, 171, 44-53.	7.8	67
30642	A new approach for the reinforcement of SS 304L via arc welding: Using nanostructured flux cored electrode. <i>Diamond and Related Materials</i> , 2019, 92, 138-145.	3.9	12
30643	Synthesis, characterization and photocatalytic activity of boron-doped titanium dioxide nanotubes. <i>Journal of Molecular Structure</i> , 2019, 1180, 676-682.	3.6	20
30644	Thermal shrinkage and stability of diamondene nanotubes. <i>Nanotechnology</i> , 2019, 30, 075702.	2.6	6
30645	Spin dependent transport in hybrid one dimensional BNC systems. <i>Semiconductor Science and Technology</i> , 2019, 34, 015004.	2.0	2
30646	Nanohybrid Materials Based Biosensors for Heavy Metal Detection. , 2019, , 233-264.		3
30647	Fabrication, mechanical properties and electrical conductivity of Al ₂ O ₃ reinforced Cu/CNTs composites. <i>Journal of Alloys and Compounds</i> , 2019, 782, 1015-1023.	5.5	85
30648	Postbuckling behavior of functionally graded CNT-reinforced nanocomposite plate with interphase effect. <i>Nonlinear Engineering</i> , 2019, 8, 496-512.	2.7	11
30649	Detection of trace level of hazardous phosgene gas on antimonene nanotube based on first-principles method. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 88, 32-40.	2.4	43
30650	Raman spectroscopy on 3-D acid-functional single-walled carbon nanotubes for flexible transparent-conducting films deposited with vacuum-filtration and dip-coating. <i>Diamond and Related Materials</i> , 2019, 92, 1-8.	3.9	11
30651	Classic Carbon Nanostructures. , 2019, , 35-109.		1
30652	Background, fundamental understanding and progress in electrochemical capacitors. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 667-692.	2.5	62
30653	Synthesis of high-quality carbon nanotubes by using monodisperse spherical mesoporous silica encapsulating iron oxide nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 157-165.	2.7	23
30654	Controlled Syntheses of Multi-walled Carbon Nanotubes from Bimetallic Fe-Co Catalyst Supported on Kaolin by Chemical Vapour Deposition Method. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 5411-5432.	3.0	6

#	ARTICLE	IF	CITATIONS
30655	Thermomechanical properties of mineralized nitrogen-doped carbon nanotube/polymer nanocomposites by molecular dynamics simulations. Composites Part B: Engineering, 2019, 161, 639-650.	12.0	40
30656	Detection of antibiotic Ofloxacin drug in urine using electrochemical sensor based on synergistic effect of different morphological carbon materials. Microchemical Journal, 2019, 146, 170-177.	4.5	33
30657	Production and functionalization of carbon nanotubes for application in membrane synthesis for natural gas separation. Microporous and Mesoporous Materials, 2019, 280, 26-36.	4.4	10
30658	Flexural Analysis of Functionally Graded CNT-Reinforced Doubly Curved Singly Ruled Composite Truncated Cone. Journal of Aerospace Engineering, 2019, 32, .	1.4	12
30659	Catalyst effect on the preparation of single-walled carbon nanotubes by a modified arc discharge. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 52-57.	2.1	10
30660	Synergy of physical properties of low-dimensional carbon-based systems for nanoscale device design. Materials Research Express, 2019, 6, 042002.	1.6	48
30661	Torsional vibration of cracked carbon nanotubes with torsional restraints using Eringen's nonlocal differential model. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 70-87.	2.9	12
30663	Temperature effects on the interfacial behavior of functionalized carbon nanotube/polyethylene nanocomposite using molecular dynamics simulation. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2019, 233, 3-15.	0.6	6
30664	Doping of Carbon Materials for Metal-Free Electrocatalysis. Advanced Materials, 2019, 31, e1804672.	21.0	361
30665	Recent advances in nanotherapeutic strategies for spinal cord injury repair. Advanced Drug Delivery Reviews, 2019, 148, 38-59.	13.7	74
30666	Catalysis with Two-Dimensional Materials Confining Single Atoms: Concept, Design, and Applications. Chemical Reviews, 2019, 119, 1806-1854.	47.7	745
30667	Enhancement of flexural strength of glass fiber reinforced polymer laminates using multiwall carbon nanotubes. Polymer Engineering and Science, 2019, 59, E248.	3.1	19
30668	Nanohybrid Filler-Based Drug-Delivery System. , 2019, , 43-79.		3
30669	Determination of rigidities, stiffness coefficients and elastic constants of multi-layer graphene sheets by an asymptotic homogenization method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	7
30670	Carbon nanocomposites for implant dentistry and bone tissue engineering. , 2019, , 47-63.		5
30671	Carbon nanotubes for dental implants. , 2019, , 93-105.		9
30672	Carbon Nanotubes for Advancing Separation Membranes. , 2019, , 333-359.		1
30673	Pressure effects on the optical and electronic aspects of T-Carbon: A first principles calculation. Optik, 2019, 180, 125-133.	2.9	22

#	ARTICLE	IF	CITATIONS
30674	Fabrication of conjugated polymer/carbon nano-tube composite materials for capacitors. Materials Research Express, 2019, 6, 036302.	1.6	2
30675	Gas sensing properties of CNT-BNNT-CNT nanostructures: A first principles study. Applied Surface Science, 2019, 470, 933-942.	6.1	31
30676	Review of the Selected Carbon-Based Materials for Symmetric Supercapacitor Application. Journal of Electronic Materials, 2019, 48, 717-744.	2.2	54
30677	Nano-dispersion of fluorinated phosphonate-modified nanodiamond in crystalline fluoropolymer matrix to achieve a transparent polymer/nanofiller hybrid. Polymer Composites, 2019, 40, E842.	4.6	14
30678	Effective aggregation of expert opinions to inform environmental management: An integrated fuzzy group decision-making framework with application to cadmium-contaminated water treatment alternatives evaluation. Journal of Cleaner Production, 2019, 209, 834-845.	9.3	14
30679	Unexpected anisotropy of (14,14,14)-Graphyne: A comprehensive study on the thermal transport properties of graphyne based nanomaterials. Carbon, 2019, 143, 189-199.	10.3	23
30680	Polypropylene/carbon nanotube magnetic composites obtained using carbon nanotubes from sawdust. Polymers for Advanced Technologies, 2019, 30, 457-464.	3.2	7
30681	Designing high-performance thermally stable repeaters for nano-interconnects. Journal of Computational Electronics, 2019, 18, 53-64.	2.5	10
30682	A field emission performance test device for continuous adjustment of the electrode spacing in the vacuum system. Measurement Science and Technology, 2019, 30, 015015.	2.6	1
30683	Interlaminar shear properties of nanostitched/nanoprepreg aramid/phenolic composites by short beam method. Journal of Composite Materials, 2019, 53, 2941-2957.	2.4	3
30684	Synthesis, Characterization, and Applications of Carbon Nanotubes. , 2019, , 1-45.		20
30685	An Overview of the Synthesis, Characterization, and Applications of Carbon Nanotubes. , 2019, , 47-75.		12
30686	Wet Functionalization of Carbon Nanotubes and Its Applications in Rubber Composites. , 2019, , 77-108.		4
30687	Synthesis, Characterization, and Applications of Diamond Films. , 2019, , 183-224.		6
30688	Advancement in bioanalytical science through nanotechnology: Past, present and future. TrAC - Trends in Analytical Chemistry, 2019, 110, 259-276.	11.4	103
30690	Dielectric based charge carrier tuning for CNT CMOS inverters. Semiconductor Science and Technology, 2019, 34, 015015.	2.0	2
30691	Properties and behavior of carbon nanomaterials when interfacing neuronal cells: How far have we come?. Carbon, 2019, 143, 430-446.	10.3	135
30692	Iron oxide/carbon nanotubes/chitosan magnetic composite film for chromium species removal. Chemosphere, 2019, 218, 391-401.	8.2	58

#	ARTICLE	IF	CITATIONS
30693	Bending analysis of functionally graded CNT reinforced doubly curved singly ruled truncated rhombic cone. <i>Mechanics Based Design of Structures and Machines</i> , 2019, 47, 67-86.	4.7	49
30694	USâ€Czech conference strengthens bilateral and multidisciplinary collaborations in nanotechnology and chemistry. <i>Nanotechnology</i> , 2019, 30, 052501.	2.6	0
30695	Cylindrical Bending Vibration of Multiple Graphene Sheet Systems Embedded in an Elastic Medium. <i>International Journal of Structural Stability and Dynamics</i> , 2019, 19, 1950035.	2.4	4
30696	Superprismane: A porous carbon allotrope. <i>Chemical Physics Letters</i> , 2019, 715, 29-33.	2.6	12
30697	Influence of ultrasonication on the dispersion and enhancing effect of graphene oxideâ€carbon nanotube hybrid nanoreinforcement in cementitious composite. <i>Composites Part B: Engineering</i> , 2019, 164, 45-53.	12.0	128
30698	Functional Silica and Carbon Nanocomposites Based on Polybenzoxazines. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800306.	2.2	151
30699	Synthesis and capacitance properties of N-doped porous carbon/NixCoyOz/carbon microâ€nanotubes composites using coal-based polyaniline as a carbon and nitrogen source. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1056-1067.	2.2	7
30700	Synthesis and characterization of nanocarbon having different morphological structures by chemical vapor deposition over Fe-Ni-Co-Mo/MgO catalyst. <i>Journal of Saudi Chemical Society</i> , 2019, 23, 666-677.	5.2	9
30701	Agglomeration effects of carbon nanotube on residual stresses in polymer nano composite using experimental and analytical method. <i>Materials Research Express</i> , 2019, 6, 035009.	1.6	3
30702	Corrosion prevention prospects of polymeric nanocomposites: A review. <i>Journal of Plastic Film and Sheeting</i> , 2019, 35, 181-202.	2.2	49
30703	Nanocarriers for drug delivery applications. <i>Environmental Chemistry Letters</i> , 2019, 17, 849-865.	16.2	204
30704	Nanomaterialsâ€State of Art, New Challenges, and Opportunities. , 2019, , 1-24.		12
30705	Self-powered electronic skin based on the triboelectric generator. <i>Nano Energy</i> , 2019, 56, 252-268.	16.0	205
30706	Aminoâ€TEMPO Grafted on Magnetic Multiâ€Walled Nanotubes: An Efficient and Recyclable Heterogeneous Oxidation Catalyst. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1405-1412.	2.4	4
30707	A new two-dimensional semiconducting carbon allotrope: Aâ€first-principles study. <i>Carbon</i> , 2019, 143, 517-522.	10.3	50
30708	Environment and strain energy related micromechanics analysis for properties of carbon nanotubes. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2019, 99, e201800169.	1.6	1
30709	Effect of boron and nitrogen additives on structure and transport properties of arc-produced carbon. <i>Carbon</i> , 2019, 143, 660-668.	10.3	18
30710	Enhancing the initial cracking fracture toughness of steel-polyvinyl alcohol hybrid fibers ultra high toughness cementitious composites by incorporating multi-walled carbon nanotubes. <i>Construction and Building Materials</i> , 2019, 195, 269-282.	7.2	45

#	ARTICLE	IF	CITATIONS
30711	Tuning microwave absorption properties of multi-walled carbon nanotubes by surface functional groups. Journal of Materials Science, 2019, 54, 2417-2426.	3.7	42
30712	Substantial breakthroughs on function-led design of advanced materials used in mixed matrix membranes (MMMs): A new horizon for efficient CO ₂ separation. Progress in Materials Science, 2019, 102, 222-295.	32.8	179
30713	Nanodiamonds: Emerging face of future nanotechnology. Carbon, 2019, 143, 678-699.	10.3	105
30714	Finite phenine nanotubes with periodic vacancy defects. Science, 2019, 363, 151-155.	12.6	159
30715	Self-Assembled Fullerene Crystals as Excellent Aromatic Vapor Sensors. Sensors, 2019, 19, 267.	3.8	37
30716	Nanotechnology: Applications in Energy, Drug and Food. , 2019, , .		8
30717	Carbon Nanomaterials for Energy Storage Devices. , 2019, , 1-29.		2
30718	Hybrid nanocomposite based on poly-3-amine-7-methylamine-2-methylphenazine and single-walled carbon nanotubes. Polymer Bulletin, 2019, 76, 5285-5300.	3.3	4
30719	Straightening single-walled carbon nanotubes by helically wrapped poly(9,9-dioctylfluorene) chains. Applied Surface Science, 2019, 471, 205-212.	6.1	0
30720	Surface structural alteration of multi-walled carbon nanotubes decorated by nickel nanoparticles based on laser ablation/chemical reduction methods to enhance hydrogen storage properties. International Journal of Hydrogen Energy, 2019, 44, 3812-3823.	7.1	17
30721	Application of carbon nanotubes in cancer vaccines: Achievements, challenges and chances. Journal of Controlled Release, 2019, 297, 79-90.	9.9	59
30722	Cytocompatible carbon nanotube reinforced polyethylene glycol composite hydrogels for tissue engineering. Materials Science and Engineering C, 2019, 98, 1133-1144.	7.3	41
30723	Layer by layer deposition of alternate carbon nanotubes and Ni films for efficient multilayer thin film temperature gauges. Journal Physics D: Applied Physics, 2019, 52, 095104.	2.8	5
30724	Optical, electrochemical and catalytic methods for in-vitro diagnosis using carbonaceous nanoparticles: a review. Mikrochimica Acta, 2019, 186, 50.	5.0	28
30725	Nitric oxide oxidation on warped nanographene (C ₈₀ H ₃₀): a DFT study. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	2
30726	Mesoscopic investigation of the effect of MWCNT/rGO network on the performance of P3HT:PC60BM solar cells. Materials Chemistry and Physics, 2019, 226, 113-117.	4.0	11
30727	History and National Initiatives of Carbon Nanotube and Graphene Research in Brazil. Brazilian Journal of Physics, 2019, 49, 288-300.	1.4	7
30728	Investigation of the vibrational characteristics of single-walled carbon nanotube/polymer nanocomposites using finite element method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	2

#	ARTICLE	IF	CITATIONS
30729	Defect Evolution of Ion-Exposed Single-Wall Carbon Nanotubes. Journal of Physical Chemistry C, 2019, 123, 2496-2505.	3.1	4
30730	Multispecies plasma fluid simulation for carbon arc discharge. Journal Physics D: Applied Physics, 2019, 52, 105204.	2.8	20
30731	On-Chip Thermionic Electron Emitter Arrays Based on Horizontally Aligned Single-Walled Carbon Nanotubes. IEEE Transactions on Electron Devices, 2019, 66, 1069-1074.	3.0	10
30732	Spherical Shaped (Ag α Fe β O γ / H δ O) Hybrid Nanofluid. Energies, 2019, 12, 76.	3.1	30
30733	Molecular diffusion replaces capillary pumping in phase-change-driven nanopumps. Microfluidics and Nanofluidics, 2019, 23, 1.	2.2	11
30734	Study of Nonequilibrium Solidification Region in Sn96.5Ag3Cu0.5 Alloys with Carbon Nanotube Admixtures by Electrical Resistivity Measurements. Journal of Phase Equilibria and Diffusion, 2019, 40, 86-92.	1.4	3
30735	Functionalization of multi-walled carbon nanotubes with indazole. Electrochimica Acta, 2019, 298, 884-892.	5.2	11
30736	Comparative study of nanoribbon field effect transistors based on silicene and graphene. Materials Science in Semiconductor Processing, 2019, 93, 92-98.	4.0	28
30737	Graphdiyne: synthesis, properties, and applications. Chemical Society Reviews, 2019, 48, 908-936.	38.1	584
30738	Fabrication and characterization of microwave cured high-density polyethylene/carbon nanotube and polypropylene/carbon nanotube composites. Journal of Composite Materials, 2019, 53, 2091-2104.	2.4	32
30739	Multi-walled carbon nanotube oxidation dependent keratinocyte cytotoxicity and skin inflammation. Particle and Fibre Toxicology, 2019, 16, 3.	6.2	37
30740	A computational study on thermo-mechanical characterization of carbon nanotube reinforced natural rubber. MRS Advances, 2019, 4, 1161-1166.	0.9	5
30741	An Overview of the Recent Progress in the Synthesis and Applications of Carbon Nanotubes. Journal of Carbon Research, 2019, 5, 3.	2.7	128
30742	C-57 carbon: A two-dimensional metallic carbon allotrope with pentagonal and heptagonal rings. Computational Materials Science, 2019, 160, 115-119.	3.0	49
30743	Phe α -Phe Di-Peptide Nanostructure Self-Assembling Modulated by Luminescent Additives. ACS Omega, 2019, 4, 606-619.	3.5	8
30744	Synthesis of Si δ -Doped CNT and Its Catalytic Ability in Hydrogen Evolution Reaction. ChemistrySelect, 2019, 4, 521-526.	1.5	7
30745	Nanotechnology in peripheral nerve repair and reconstruction. Advanced Drug Delivery Reviews, 2019, 148, 308-343.	13.7	66
30746	Nanotextures from orthogonal graphene ribbons: Thermal stability evaluation. Carbon, 2019, 144, 81-90.	10.3	16

#	ARTICLE	IF	CITATIONS
30747	X-ray absorption anomaly of well-characterized multiwall carbon nanotubes. Carbon, 2019, 145, 209-217.	10.3	6
30748	Research progress on CNTs/CNFs-modified cement-based composites – A review. Construction and Building Materials, 2019, 202, 290-307.	7.2	154
30749	New cyclotriphosphazene based nanotweezers bearing perylene and glycol units and their non-covalent interactions with single walled carbon nanotubes. Journal of Molecular Structure, 2019, 1182, 1-8.	3.6	15
30750	Difficulties and Virtues in Assessing the Potential Energy Surfaces of Carbon Clusters via DMBE Theory: Stationary Points of C_{10}^+ ($I_h = 2 \times 10$) at the Focal Point. Journal of Physical Chemistry A, 2019, 123, 3121-3130.	2.5	5
30751	Carbon-based nanomaterials as an emerging platform for theranostics. Materials Horizons, 2019, 6, 434-469.	12.2	310
30752	Effect of MWCNT inclusions on tensile behavior of G-CFRP and G-KFRP hybrid nanocomposites. AIP Conference Proceedings, 2019, , .	0.4	1
30753	Solution-processed thin films of semiconducting carbon nanotubes and their application to soft electronics. Nanotechnology, 2019, 30, 132001.	2.6	32
30754	Structural, electronic and magnetic properties of aluminium phosphide nanotube doped by cobalt, nickel and manganese. Chinese Journal of Physics, 2019, 58, 8-17.	3.9	4
30755	Adsorption and diffusion of sulfur dioxide and nitrogen in single-wall carbon nanotubes. Journal of Molecular Graphics and Modelling, 2019, 88, 62-70.	2.4	14
30756	Synthesis of carbon nanotubes by direct liquid injection chemical vapor deposition method and its relevance for developing an ultra-sensitive room temperature based CO ₂ sensor. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 652-663.	5.3	45
30757	Marangoni interface self-assembly hybrid carbon nano-network for transparent conductive silicone rubber. Progress in Organic Coatings, 2019, 129, 26-31.	3.9	3
30758	Electrochemical detection and quantification of Reactive Red 195 dyes on graphene modified glassy carbon electrode. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2019, 37, 42-54.	2.9	6
30759	Damage sensing and mechanical properties of laminate composite based MWCNTs under anticlastic test. Materials Research Express, 2019, 6, 035704.	1.6	7
30760	Dynamic response of single-walled carbon nanotubes based on various shell theories. Journal of Reinforced Plastics and Composites, 2019, 38, 413-425.	3.1	9
30761	Electrochemical Detection for Uric Acid Based on β -Lactoglobulin-Functionalized Multiwall Carbon Nanotubes Synthesis with PtNPs Nanocomposite. Materials, 2019, 12, 214.	2.9	16
30762	Polyiodide structures in thin single-walled carbon nanotubes: A large-scale density-functional study. Carbon, 2019, 142, 123-130.	10.3	13
30763	Electromigration behaviors of Sn58%Bi solder containing Ag-coated MWCNTs with OSP surface finished PCB. Journal of Alloys and Compounds, 2019, 775, 581-588.	5.5	24
30764	Accurate Ionization Potentials, Electron Affinities and Electronegativities of Single-Walled Carbon Nanotubes by State-of-the-Art Local Coupled-Cluster Theory. Bulletin of the Chemical Society of Japan, 2019, 92, 170-174.	3.2	3

#	ARTICLE	IF	CITATIONS
30765	A review of the electrical and mechanical properties of carbon nanofiller-reinforced polymer composites. Journal of Materials Science, 2019, 54, 1036-1076.	3.7	210
30766	Size-dependent electro-thermo-mechanical analysis of multilayer cantilever microactuators by Joule heating using the modified couple stress theory. Composites Part B: Engineering, 2019, 161, 183-189.	12.0	29
30767	An overview of nanoscale radionuclides and radiolabeled nanomaterials commonly used for nuclear molecular imaging and therapeutic functions. Journal of Biomedical Materials Research - Part A, 2019, 107, 251-285.	4.0	62
30768	Engineered Nanomaterials in the Environment, their Potential Fate and Behaviour and Emerging Techniques to Measure Them. , 2019, , 1-15.		2
30770	Void detection of cementitious grout composite using single-walled and multi-walled carbon nanotubes. Cement and Concrete Composites, 2019, 95, 237-246.	10.7	25
30771	A review on adsorptive removal of oil pollutants (BTEX) from wastewater using carbon nanotubes. Journal of Molecular Liquids, 2019, 277, 1005-1025.	4.9	62
30772	Storage of Mechanical Energy Based on Carbon Nanotubes with High Energy Density and Power Density. Advanced Materials, 2019, 31, e1800680.	21.0	46
30773	Hydrogel Nanocomposite Systems. , 2019, , 81-131.		13
30774	Electrospun Copolyamide Mats Modified by Functionalized Multiwall Carbon Nanotubes. Polymer Composites, 2019, 40, E1451-E1460.	4.6	4
30775	A theoretical analysis of SWCNTâ€“MWCNT and H2O nanofluids considering Darcyâ€“Forchheimer relation. Applied Nanoscience (Switzerland), 2019, 9, 1183-1191.	3.1	75
30776	CE with multi-walled carbon nanotubes (MWCNTs). Part I. Functionalized and SDS coated MWCNTs as pseudo-stationary phases in nanoparticle EKC â€“ Studies on retention energetics. Talanta, 2019, 192, 534-544.	5.5	6
30777	Acidâ€“Based Surfactantâ€“Aided Dispersion of Multiâ€“Walled Carbon Nanotubes in Epoxyâ€“Based Nanocomposites. Polymer Engineering and Science, 2019, 59, E80.	3.1	16
30778	A DFT, AIM and NBO study of isoniazid drug delivery by MgO nanocage. Applied Surface Science, 2019, 469, 103-112.	6.1	52
30779	Processing, growth mechanism and thermodynamic calculations of carbon foam with a hollow tetrapodal morphology â€“ Aerographite. Applied Surface Science, 2019, 470, 535-542.	6.1	7
30780	Structural studies of carbons by neutron and x-ray scattering. Reports on Progress in Physics, 2019, 82, 016501.	20.1	15
30781	Natural Biomass as Carbon Sources for the Synthesis of Photoluminescent Carbon Dots. , 2019, , 109-134.		9
30782	Thermoelectrics: From history, a window to the future. Materials Science and Engineering Reports, 2019, 138, 100501.	31.8	341
30783	Encapsulation of small fullerenes into nitrogenated holey nanotubes: a density functional theory study. Molecular Physics, 2019, 117, 776-783.	1.7	2

#	ARTICLE	IF	CITATIONS
30784	RO Membrane Transport. , 2019, , 91-116.		0
30785	Adsorptive heat storage and amplification: New cycles and adsorbents. Energy, 2019, 167, 440-453.	8.8	47
30786	Unsteady squeezing carbon nanotubes based nano-liquid flow with Cattaneoâ€“Christov heat flux and homogeneousâ€“heterogeneous reactions. Applied Nanoscience (Switzerland), 2019, 9, 169-178.	3.1	41
30787	Synthesis of Carbon Nanomaterials Using Catalytic Chemical Vapor Deposition Technique. , 2019, , 1-27.		16
30788	Carbon Nanotubes and Graphene for Sensor Technology. , 2019, , 205-222.		6
30789	Synthesis/Preparation of Carbon Materials. Springer Series on Polymer and Composite Materials, 2019, , 1-64.	0.7	1
30790	Structural/Load-Bearing Characteristics of Polymerâ€“Carbon Composites. Springer Series on Polymer and Composite Materials, 2019, , 457-502.	0.7	10
30791	Effect of atom vacancies on elastic and electronic properties of transversely isotropic boron nitride nanotubes: A comprehensive computational study. Computational Materials Science, 2019, 156, 332-345.	3.0	38
30792	Iron addiction with ferroptosis-resistance in asbestos-induced mesothelial carcinogenesis: Toward the era of mesothelioma prevention. Free Radical Biology and Medicine, 2019, 133, 206-215.	2.9	80
30793	Chlorine-assisted synthesis of Fe₃-C-filled mm-long vertically aligned arrays of multiwall carbon nanotubes. Materials Research Express, 2019, 6, 015040.	1.6	3
30795	Enhanced mechanical and electrical properties of super-aligned carbon nanotubes reinforced copper by severe plastic deformation. Composites Part B: Engineering, 2019, 160, 315-320.	12.0	35
30796	A Bi ₂ WO ₆ -based hybrid heterostructures photocatalyst with enhanced photodecomposition and photocatalytic hydrogen evolution through Z-scheme process. Journal of Industrial and Engineering Chemistry, 2019, 69, 345-357.	5.8	64
30797	Transient Analysis of Crosstalk Induced Effects in Mixed CNT Bundle Interconnects Using FDTD Technique. IEEE Transactions on Electromagnetic Compatibility, 2019, 61, 1621-1629.	2.2	27
30798	Recent Advances in Carbon Nanomaterials for Cancer Phototherapy. Chemistry - A European Journal, 2019, 25, 3993-4004.	3.3	112
30799	Construction of upconversion nitrogen doped graphene quantum dots modified BiVO ₄ photocatalyst with enhanced visible-light photocatalytic activity. Ceramics International, 2019, 45, 2088-2096.	4.8	40
30800	Tensile properties of nanopreg/nanostitched 3D carbon/epoxy MWCNTs composites. Mechanics of Materials, 2019, 128, 11-23.	3.2	12
30801	Adsorptive separation of volatile anaesthetics: A review of current developments. Separation and Purification Technology, 2019, 211, 491-503.	7.9	13
30802	Reinforcing materials for polymeric tissue engineering scaffolds: A review. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2019, 107, 1560-1575.	3.4	16

#	ARTICLE	IF	CITATIONS
30803	Applications of Carbon Nanotubes in Drug Delivery. , 2019, , 113-135.		51
30804	Controllable synthesis of carbon nanomaterials by direct current arc discharge from the inner wall of the chamber. Carbon, 2019, 142, 278-284.	10.3	95
30805	Correlation between microstructures and optical properties of polyaniline/single-walled carbon nanotubes composites. Polymer Composites, 2019, 40, E821.	4.6	2
30806	Effect of Electron Beam Irradiation on Thermal and Mechanical Properties of Polyamide Copolymer/Multiwall Carbon Nanotube Composites. Journal of Shanghai Jiaotong University (Science), 2019, 24, 12-18.	0.9	2
30807	Reductive transformation of nitroaromatic compounds by Pd nanoparticles on nitrogen-doped carbon (Pd@NC) biosynthesized using Pantoea sp. IMH. Journal of Hazardous Materials, 2019, 366, 338-345.	12.4	21
30808	DNA hybridisation sensors for product authentication and tracing: State of the art and challenges. South African Journal of Chemical Engineering, 2019, 27, 16-34.	2.4	4
30809	Control of Inversion Kinetics of Bowl-Shaped Aromatic Compounds. , 2019, , 65-96.		1
30810	Effects of multi-walled carbon nanotubes on metabolic function of the microbial community in riverine sediment contaminated with phenanthrene. Carbon, 2019, 144, 1-7.	10.3	58
30811	Boron and Nitrogen Co-Doping of Graphynes without Inducing Empty or Doubly Filled States in π -Conjugated Systems. Journal of Physical Chemistry C, 2019, 123, 625-630.	3.1	2
30812	Effects of orientation ordering of low-density polyethylene multi-walled carbon nanotubes composites determined by severe plastic deformation. Polymer Engineering and Science, 2019, 59, 714-723.	3.1	5
30813	Hydrogel nanotubes with ice helices as exotic nanostructures for diabetic wound healing. Materials Horizons, 2019, 6, 274-284.	12.2	17
30814	A comprehensive review on synthesis, stability, thermophysical properties, and characterization of nanofluids. Powder Technology, 2019, 344, 404-431.	4.2	240
30815	A compliant microstructured thermal interface material for dry and pluggable interfaces. International Journal of Heat and Mass Transfer, 2019, 131, 1075-1082.	4.8	4
30816	Multi-walled carbon nanotube films for the measurement of the alcoholic concentration. Micro and Nano Letters, 2019, 14, 304-308.	1.3	19
30817	Effect of <i>in situ</i> silanization of multiwalled carbon nanotubes on the properties of NBR/MWCNT-OH composites. Polymer-Plastics Technology and Materials, 2019, 58, 1327-1341.	1.3	7
30818	Integrated adsorption and photocatalytic degradation of volatile organic compounds (VOCs) using carbon-based nanocomposites: A critical review. Chemosphere, 2019, 218, 845-859.	8.2	299
30819	Confined hetero double helix structure induced by graphene nanoribbon. 2D Materials, 2019, 6, 034001.	4.4	5
30820	Atomic Properties and Electronic Structure. Interface Science and Technology, 2019, , 23-66.	3.3	3

#	ARTICLE	IF	CITATIONS
30821	Bioelectricity Generation. , 2019, , 265-299.		0
30822	Simulation and experiment of field emission based on carbon nanotubes. International Journal of Applied Electromagnetics and Mechanics, 2019, 59, 695-702.	0.6	1
30823	High Performance Antistatic HDPE Composites with Bridging Effect of Hybrid Carbon Black and Multi-Walled Carbon Nanotubes Fillers. Advanced Engineering Materials, 2019, 21, 1800609.	3.5	9
30824	Highly stretchable sensors for wearable biomedical applications. Journal of Materials Science, 2019, 54, 5187-5223.	3.7	49
30825	Carbon Nanotubes as Biological Transporters and Tissue-Engineering Scaffolds. , 2019, , 135-156.		4
30826	I-V characteristics and conductance of strained SWCNTs. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 879-887.	2.1	2
30827	Vibration analysis of nanorods by the Rayleigh-Ritz method and truncated Fourier series. Results in Physics, 2019, 12, 327-334.	4.1	9
30828	Lateral heterojunction of <i>h</i> -graphyne and <i>h</i> -graphyne like BN: electronic structure and optical properties. Materials Research Express, 2019, 6, 016309.	1.6	1
30829	Effectively improving the performance of MWNT/PEEK composite by choosing PAK-Cz as the solubilizer. High Performance Polymers, 2019, 31, 875-884.	1.8	4
30830	Carbon Nanotubes: Electronic Structure and Spectroscopy. , 2019, , 205-218.		5
30831	ab initio study of the exo-hydrogenated single wall carbon nanotubes. Physica B: Condensed Matter, 2019, 552, 124-129.	2.7	3
30832	MWCNTs produced by electrolysis of molten carbonate: Characteristics of the cathodic products grown on galvanized steel and nickel chrome electrodes. Applied Surface Science, 2019, 466, 367-374.	6.1	30
30833	Gap effect on stable rotation of a carbon nanotube nearby diamond needles. Computational Materials Science, 2019, 156, 260-267.	3.0	9
30834	Effect of C and O dopant atoms on the electronic properties of black phosphorus nanotubes. Computational Materials Science, 2019, 156, 292-300.	3.0	13
30835	Variation of interfacial properties during carbon nanotube pullout from natural rubber. Composite Interfaces, 2019, 26, 611-623.	2.3	4
30836	Mapping temperature and confinement dependence of carbyne formation within carbon nanotubes. Carbon, 2019, 141, 209-217.	10.3	14
30837	Synthesis and characterization of maghemite nanocrystals decorated multi-wall carbon nanotubes for methylene blue dye removal. Journal of Materials Science, 2019, 54, 200-216.	3.7	32
30838	Determination of inorganic contaminants in carbon nanotubes by plasma-based techniques: Overcoming the limitations of sample preparation. Talanta, 2019, 192, 255-262.	5.5	13

#	ARTICLE	IF	CITATIONS
30839	Functional Nanomaterials and Nanostructures Enhancing Electrochemical Biosensors and Lab-on-a-Chip Performances: Recent Progress, Applications, and Future Perspective. Chemical Reviews, 2019, 119, 120-194.	47.7	436
30840	Study on dynamic adsorption of p-nitrophenol by multi-walled carbon nanotubes dispersed cyclodextrin. Environmental Science and Pollution Research, 2019, 26, 34110-34116.	5.3	3
30841	Wave propagation in piezoelectric cylindrical composite shells reinforced with angled and randomly oriented carbon nanotubes. Composites Part B: Engineering, 2019, 160, 10-30.	12.0	29
30842	MWCNTs and their use in Al-MMCs for ultra-high thermal conductivity applications: A review. Journal of Alloys and Compounds, 2019, 774, 820-840.	5.5	43
30843	Carbon Nanotubes as a Resourceful Product Derived from Waste Plastic—A Review. , 2019, , 915-934.		6
30844	Fast synthesis of thin graphite film with high-performance thermal and electrical properties grown by plasma CVD using polycrystalline nickel foil at low temperature. Carbon, 2019, 141, 768-773.	10.3	19
30845	Multiscale modeling of the elastic moduli of CNT-reinforced polymers and fitting of efficiency parameters for the use of the extended rule-of-mixtures. Composites Part B: Engineering, 2019, 159, 114-131.	12.0	62
30846	Persistent luminescence instead of phosphorescence: History, mechanism, and perspective. Journal of Luminescence, 2019, 205, 581-620.	3.1	425
30847	Facile construction of PCNF&CNT composite material by one-step simultaneous carbonization and chemical vapor deposition. Journal of Materials Science, 2019, 54, 1616-1628.	3.7	7
30848	Novel carbon microtube based solid acid from pampas grass stick for biodiesel synthesis from waste oils. Journal of Saudi Chemical Society, 2019, 23, 515-524.	5.2	11
30849	Effect of temperature on vibrations and buckling behavior of carbon nanotube-based mass sensors using a new temperature-dependent structural model. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 106, 258-269.	2.7	6
30850	Wearable biofuel cells based on the classification of enzyme for high power outputs and lifetimes. Biosensors and Bioelectronics, 2019, 124-125, 40-52.	10.1	98
30851	Simultaneous determination of 131 pesticides in tea by on-line GPC-CC&MS/MS using graphitized multi-walled carbon nanotubes as dispersive solid phase extraction sorbent. Food Chemistry, 2019, 276, 202-208.	8.2	75
30852	MWCNTs/SWCNTs Nanofluid Thin Film Flow over a Nonlinear Extending Disc: OHAM Solution. Journal of Thermal Science, 2019, 28, 115-122.	1.9	20
30853	In situ decoration of silver nanoparticles on single-walled carbon nanotubes by microwave irradiation for enhanced and durable anti-bacterial finishing on cotton fabric. Ceramics International, 2019, 45, 1011-1019.	4.8	33
30854	Thermal conductivity of natural rubber nanocomposites with hybrid fillers. Chinese Journal of Chemical Engineering, 2019, 27, 928-934.	3.5	27
30855	Designing of ultra&low&power high&speed repeaters for performance optimization of VLSI interconnects at 32&nm. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2019, 32, e2516.	1.9	14
30856	Low-temperature synthesis of SiC nanowires with Ni catalyst. Rare Metals, 2019, 38, 206-209.	7.1	7

#	ARTICLE	IF	CITATIONS
30857	Multiscale approach for three-phase CNT/polymer/fiber laminated nanocomposite structures. <i>Polymer Composites</i> , 2019, 40, E102.	4.6	126
30858	An Edge-Based Smoothed Discrete Shear Gap Method for Static and Free Vibration Analyses of FG-CNTRC Plates. <i>International Journal of Computational Methods</i> , 2019, 16, 1850102.	1.3	5
30859	Fabrication and characterization of conductive poly(dimethylsiloxane)-carbon nanotube nanocomposites for potential microsensor applications. <i>Sensor Review</i> , 2019, 39, 1-9.	1.8	5
30860	Synthesis and characterization of chiral poly(amide-imide) composite thin films containing functionalized multiwalled carbon nanotubes. <i>Journal of Thermoplastic Composite Materials</i> , 2019, 32, 76-88.	4.2	3
30861	Multiscale finite element analyses on mechanical properties of graphene-reinforced composites. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1735-1742.	2.6	10
30862	Nano and micro structures produced from carbon rich fly ash as effective lubricant additives for 150SN base oil. <i>Journal of Materials Research and Technology</i> , 2019, 8, 250-258.	5.8	10
30863	Large deformation bending responses of nanotube-reinforced polymer composite panel structure: Numerical and experimental analyses. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2019, 233, 1695-1704.	1.3	20
30864	Bending of boron nitride nanotubes: An atomistic study. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1357-1364.	2.6	4
30865	On the Free Vibrations of Piezoelectric Carbon Nanotube-Reinforced Microbeams: A Multiscale Finite Element Approach. <i>Iranian Journal of Science and Technology - Transactions of Mechanical Engineering</i> , 2019, 43, 285-294.	1.3	12
30866	Superior thermomechanical and wetting properties of ultrasonic dual mode mixing assisted epoxy-CNT nanocomposites. <i>High Performance Polymers</i> , 2019, 31, 32-42.	1.8	12
30867	Modeling and simulation of nanocomposite based on poly propylene/graphene. <i>Polymer Composites</i> , 2019, 40, E993-E1005.	4.6	1
30868	Low velocity impact analysis of beams made of short carbon fiber/carbon nanotube-polymer composite: A hierarchical finite element approach. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1104-1114.	2.6	17
30869	Preparation of PEEK/MWCNTs composites with excellent mechanical and tribological properties. <i>High Performance Polymers</i> , 2019, 31, 43-50.	1.8	24
30870	Combined toxicity of multi-walled carbon nanotubes and benzo [a] pyrene in human epithelial lung cells. <i>Toxin Reviews</i> , 2019, 38, 212-222.	3.4	5
30871	Dispersion and reinforcement efficiency of carbon nanotubes in cementitious composites. <i>Magazine of Concrete Research</i> , 2019, 71, 408-423.	2.0	39
30872	Free vibration of rotating pretwisted CNTs-reinforced shallow shells in thermal environment. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 1808-1820.	2.6	16
30873	In-plane response of para-aramid/phenolic nanostitched and nanoprepreg 3D composites under tensile loading. <i>Polymer Composites</i> , 2019, 40, 1275-1286.	4.6	13
30874	Graphyne and Its Family: Recent Theoretical Advances. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 2692-2706.	8.0	156

#	ARTICLE	IF	CITATIONS
30875	Study of tribological properties of natural rubber containing carbon nanotubes and carbon black as hybrid fillers. Applied Nanoscience (Switzerland), 2019, 9, 899-906.	3.1	23
30876	Morphological aspects of carbon nanofillers and their hybrids for actuators and sensors. Polymer Composites, 2019, 40, E373.	4.6	17
30877	Nanomaterials in construction “what is being used, and where?”. Proceedings of Institution of Civil Engineers: Construction Materials, 2019, 172, 49-62.	1.1	31
30878	Orthotropic patterns of visco-Pasternak foundation in nonlocal vibration of orthotropic graphene sheet under thermo-magnetic fields based on new first-order shear deformation theory. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 197-208.	1.1	8
30879	Effect of the AACVD based synthesis atmosphere on the structural properties of multi-walled carbon nanotubes. Arabian Journal of Chemistry, 2020, 13, 835-850.	4.9	5
30880	Time-biased square wave differential electrolytic potentiometry for determination of ascorbic acid in a complex matrix at multi-walled carbon nanotubes modified silver electrodes. Arabian Journal of Chemistry, 2020, 13, 2955-2963.	4.9	5
30881	Nanocomposite membranes for organic solvent nanofiltration. Separation and Purification Reviews, 2020, 49, 177-206.	5.5	26
30882	Study on understanding functional characteristics of multi-wall CNT modified asphalt binder. International Journal of Pavement Engineering, 2020, 21, 1069-1082.	4.4	22
30883	Vibration analysis of a multifunctional hybrid composite honeycomb sandwich plate. Journal of Sandwich Structures and Materials, 2020, 22, 2818-2860.	3.5	21
30884	Modeling of a Smart Nano Force Sensor Using Finite Elements and Neural Networks. International Journal of Automation and Computing, 2020, 17, 279-291.	4.5	5
30885	Rheological response and quasi-static stab resistance of STF/MWCNTs-impregnated aramid fabrics with different textures. Journal of Industrial Textiles, 2020, 50, 380-397.	2.4	9
30886	Information Technology, Systems Research, and Computational Physics. Advances in Intelligent Systems and Computing, 2020, , .	0.6	4
30887	Investigation of state vector computational solution on modeling of wave propagation through functionally graded nanocomposite doubly curved thick structures. Engineering With Computers, 2020, 36, 1417-1433.	6.1	29
30888	Systematic design of CNTFET based OTA and Op amp using gm/ID technique. Analog Integrated Circuits and Signal Processing, 2020, 102, 293-307.	1.4	11
30889	Effect of MWCNT content on thermal and shape memory properties of epoxy nanocomposites as material for morphing wing skin. Journal of Thermal Analysis and Calorimetry, 2020, 139, 147-158.	3.6	13
30890	Abatement of gaseous volatile organic compounds: A material perspective. Catalysis Today, 2020, 350, 3-18.	4.4	56
30891	Nanocarbons-Supported and Polymers-Supported Titanium Dioxide Nanostructures as Efficient Photocatalysts for Remediation of Contaminated Wastewater and Hydrogen Production. Environmental Chemistry for A Sustainable World, 2020, , 139-169.	0.5	34
30892	Terahertz Spectroscopy of Nanomaterials: a Close Look at Charge-Carrier Transport. Advanced Optical Materials, 2020, 8, 1900623.	7.3	53

#	ARTICLE	IF	CITATIONS
30893	2D-Raman Correlation Spectroscopy Recognizes the Interaction at the Carbon Coating and Albumin Interface. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 281-295.	0.6	1
30894	Enhancement of electro-thermal and mechanical properties for Cu-SWCNT coated 6061Al. <i>Surface Engineering</i> , 2020, 36, 135-143.	2.2	6
30895	Polymer composite for antistatic application in aerospace. <i>Defence Technology</i> , 2020, 16, 107-118.	4.2	159
30896	Metal-free carbon materials as catalysts for wet air oxidation. <i>Catalysis Today</i> , 2020, 356, 189-196.	4.4	20
30897	Nanomaterials. , 2020, , 515-539.		3
30898	The Effect of Low Weight Percent Multiwalled Carbon Nanotubes on the Dielectric Properties of Non-Conducting Polymer/Ceramic Nanocomposites for Energy Storage Materials. <i>Zeitschrift Fur Physikalische Chemie</i> , 2020, 234, 11-26.	2.8	7
30899	Synthesis and characterisation of multi-walled carbon nanotubes (MWCNTs). <i>International Journal of Ambient Energy</i> , 2020, 41, 452-456.	2.5	56
30900	Effects of the impactor geometrical shape on the non-linear low-velocity impact response of sandwich plate with CNTRC face sheets. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 962-990.	3.5	10
30901	Static and Free Vibration Analyses of Functionally Graded Carbon Nanotube Reinforced Composite Plates using CS-DSG3. <i>International Journal of Computational Methods</i> , 2020, 17, 1850133.	1.3	21
30902	A review on mobility of engineered carbon-based nanoparticles in porous media. <i>Environmental Geotechnics</i> , 2020, 7, 382-392.	2.3	1
30903	Vibrational analysis of sandwich sectorial plates with functionally graded sheets reinforced by aggregated carbon nanotube. <i>Journal of Sandwich Structures and Materials</i> , 2020, 22, 1496-1541.	3.5	8
30904	A theoretical study on the chirality detection of serine amino acid based on carbon nanotubes with and without Stone-Wales defects. <i>Structural Chemistry</i> , 2020, 31, 455-464.	2.0	7
30905	Investigation into the Nonlinear Time-History Analysis of CNT-Reinforced Concrete Column by a Multiscale Approach. <i>International Journal of Civil Engineering</i> , 2020, 18, 49-64.	2.0	4
30906	Facile fabrication of glycosylated and PEGylated carbon nanotubes through the combination of mussel inspired chemistry and surface-initiated ATRP. <i>Materials Science and Engineering C</i> , 2020, 106, 110157.	7.3	19
30907	Effect of LaCl_3 Surface-Modified Carbon Nanotubes on Tribological Properties and Thermal Stability of Carbon Nanotube-Reinforced Epoxy Resin Composites. <i>Tribology Transactions</i> , 2020, 63, 144-153.	2.0	5
30908	Advances in Material Sciences and Engineering. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , .	0.4	8
30909	On the analogy of physical and chemical processes of the directed growth of crystals and carbon nanotubes. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 2885-2895.	3.1	1
30910	Graphdiyne: A new promising member of 2D all-carbon nanomaterial as robust electrochemical enzyme biosensor platform. <i>Carbon</i> , 2020, 156, 568-575.	10.3	64

#	ARTICLE	IF	CITATIONS
30911	Nonlocal forced vibrations of rotating cantilever nano-beams. European Journal of Mechanics, A/Solids, 2020, 79, 103850.	3.7	25
30912	Review on the interface engineering in the carbonaceous titania for the improved photocatalytic hydrogen production. International Journal of Hydrogen Energy, 2020, 45, 7584-7615.	7.1	44
30913	Morphological, structural, and functional properties of vertically aligned carbon nanotubes deposited on porous silicon layers by ultrasonic spray pyrolysis. Microporous and Mesoporous Materials, 2020, 292, 109738.	4.4	4
30914	Graphene reinforced nickel-based superalloy composites fabricated by additive manufacturing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 769, 138484.	5.6	52
30915	Thermal, electrical, and sensing properties of rubber nanocomposites. , 2020, , 149-175.		10
30916	Functionalized sp ² carbon allotropes as fillers for rubber nanocomposites. , 2020, , 43-92.		3
30917	Carbon-based adsorbents. , 2020, , 83-127.		4
30918	Carbon fiber-promoted activation of catalyst for efficient growth of single-walled carbon nanotubes. Carbon, 2020, 156, 410-415.	10.3	12
30919	Effects of high-temperature thermal annealing on properties of aligned multi-walled carbon nanotube sheets and their composites. Composite Interfaces, 2020, 27, 569-586.	2.3	8
30920	Existence of eigenvalues embedded in the spectral bands of Schrödinger operators on carbon nanotubes with impurities. Letters in Mathematical Physics, 2020, 110, 387-420.	1.1	4
30921	Synthesis of Carbon Nanotubes from Industrial Wastes Following Alkali Activation and Film Casting Method. Waste and Biomass Valorization, 2020, 11, 4957-4966.	3.4	11
30922	Nonlinear Bending Analysis of Functionally Graded CNT-Reinforced Shallow Arches Placed on Elastic Foundations. Acta Mechanica Solida Sinica, 2020, 33, 164-186.	1.9	12
30923	Helical milling response of glass fiber-reinforced polymer composite with carbon nanotube buckypaper interlayer. Polymers and Polymer Composites, 2020, 28, 378-387.	1.9	12
30924	Shrinkage-expansion of a tri-isometric knitting from graphene ribbons at finite temperature. Materials and Design, 2020, 185, 108269.	7.0	8
30925	Preparation of T-carbon by plasma enhanced chemical vapor deposition. Carbon, 2020, 157, 270-276.	10.3	39
30926	Thermal conductivity enhancement on phase change materials for thermal energy storage: A review. Energy Storage Materials, 2020, 25, 251-295.	18.0	457
30927	Large-scale DFT simulation of quinone molecules encapsulated in single-walled carbon nanotube for novel Li-ion battery cathode. Computational Materials Science, 2020, 171, 109281.	3.0	11
30928	Non-polynomial framework for static analysis of functionally graded carbon nano-tube reinforced plates. Composite Structures, 2020, 233, 111569.	5.8	18

#	ARTICLE	IF	CITATIONS
30929	Detection of a secreted protein biomarker for citrus Huanglongbing using a single-walled carbon nanotubes-based chemiresistive biosensor. <i>Biosensors and Bioelectronics</i> , 2020, 147, 111766.	10.1	44
30930	Polymers for supercapacitors: Boosting the development of the flexible and wearable energy storage. <i>Materials Science and Engineering Reports</i> , 2020, 139, 100520.	31.8	145
30931	Polythiophene-coated multi-walled carbon nanotube-reinforced epoxy nanocomposites for enhanced mechanical, electrical and thermal properties. <i>Polymer Bulletin</i> , 2020, 77, 4537-4553.	3.3	9
30932	Graphene and related materials in hierarchical fiber composites: Production techniques and key industrial benefits. <i>Composites Science and Technology</i> , 2020, 185, 107848.	7.8	36
30933	Green and facile microwave solvent-free synthesis of CeO ₂ nanoparticle-decorated CNTs as a quadruplet electrochemical platform for ultrasensitive and simultaneous detection of ascorbic acid, dopamine, uric acid and acetaminophen. <i>Talanta</i> , 2020, 207, 120318.	5.5	122
30934	Convenient but powerful method to dope single-walled carbon nanotube films with iodonium salts. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 529-539.	3.1	14
30935	Development of N-doped bamboo-shaped carbon nanotube/magnesium oxide nanocomposites. <i>Journal of Composite Materials</i> , 2020, 54, 857-863.	2.4	0
30936	Carbon nanomaterials integrated molecularly imprinted polymers for biological sample analysis: A critical review. <i>Materials Chemistry and Physics</i> , 2020, 239, 121966.	4.0	71
30937	A Review on Graphene Fibers: Expectations, Advances, and Prospects. <i>Advanced Materials</i> , 2020, 32, e1902664.	21.0	206
30938	Carbon Nanotube Yarn for Fiber-Shaped Electrical Sensors, Actuators, and Energy Storage for Smart Systems. <i>Advanced Materials</i> , 2020, 32, e1902670.	21.0	165
30939	Graphene Oxides/Carbon Nanotubes-Hydroxyapatite Nanocomposites for Biomedical Applications. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 219-227.	3.0	21
30940	Magnetic carbon nanotube modified with polymeric deep eutectic solvent for the solid phase extraction of bovine serum albumin. <i>Talanta</i> , 2020, 206, 120215.	5.5	38
30941	Enhanced photoelectrochemical water splitting activity of carbon nanotubes@TiO ₂ nanoribbons in different electrolytes. <i>Chemosphere</i> , 2020, 238, 124554.	8.2	64
30942	Wastewater Treatment Through Nanotechnology: Role and Prospects. , 2020, , 227-247.		9
30943	Synthesis of a magnetic core-shell carbon nanotube@MgNi ₂ FeO _{4.5} nanotube composite. <i>Chemical Papers</i> , 2020, 74, 175-182.	2.2	0
30944	Fresh Water Pollution Dynamics and Remediation. , 2020, , .		34
30945	Role of grain boundaries on the thermal properties of carbon nanotubes. <i>Materials Today: Proceedings</i> , 2020, 23, 622-625.	1.8	0
30946	Transparent carbon nanotubes promote the outgrowth of entorhinal dentate projections in lesioned organ slice cultures. <i>Developmental Neurobiology</i> , 2020, 80, 316-331.	3.0	15

#	ARTICLE	IF	CITATIONS
30947	Wonders of Nanotechnology for Remediation of Polluted Aquatic Environs. , 2020, , 319-339.		24
30948	Introduction to Nanotechnology. Women in Engineering and Science, 2020, , 1-14.	0.4	2
30949	Radiolabeling of amide functionalized multi-walled carbon nanotubes for bioaccumulation study in fish bone using whole-body autoradiography. Environmental Science and Pollution Research, 2020, 27, 3756-3767.	5.3	8
30950	Restoration of Wetland Ecosystem: A Trajectory Towards a Sustainable Environment. , 2020, , .		6
30951	Surface functionalization of carbon nanotubes by biological adhesive polymers carbopol for developing high-εpermittivity polymer composites. Journal of Vinyl and Additive Technology, 2020, 26, 165-172.	3.4	1
30952	Short-beam shear of nanopregreg/nanostitched three-dimensional carbon/epoxy multiwall carbon nanotube composites. Journal of Composite Materials, 2020, 54, 311-329.	2.4	18
30953	Hydrothermal synthesis and characterization of vanadium-doped titanium dioxide nanotubes. Journal of the Australian Ceramic Society, 2020, 56, 645-651.	1.9	6
30954	Synthesis of PtSn nanoparticles on carbon materials by different preparation methods for selective catalytic hydrogenation of citral. Chemical Engineering Communications, 2020, 207, 1074-1091.	2.6	6
30955	Improved Domino Logic Circuits and its Application in Wide Fan-In OR Gates. Micro and Nanosystems, 2020, 12, 58-67.	0.6	7
30956	Catalytic growth of MWCNT using CVD and its application as opto-electronic humidity sensor. Carbon Letters, 2020, 30, 215-224.	5.9	9
30957	Large-amplitude parametric response of fluid-conveying nanotubes due to flow pulsations. Microsystem Technologies, 2020, 26, 707-720.	2.0	5
30958	On the planar Schrödinger-Poisson system with the axially symmetric potential. Journal of Differential Equations, 2020, 268, 945-976.	2.2	82
30959	Carbon nanotube: Controlled synthesis determines its future. Science China Materials, 2020, 63, 16-34.	6.3	16
30960	Two-Dimensional Metal-Phosphorus Network. Matter, 2020, 2, 111-118.	10.0	39
30961	Advanced carbon nanostructures for future high performance sodium metal anodes. Energy Storage Materials, 2020, 25, 811-826.	18.0	114
30962	Printable Semiconductors for Backplane TFTs of Flexible OLED Displays. Advanced Functional Materials, 2020, 30, 1904588.	14.9	136
30963	Vibration analysis of multiwalled carbon nanotube-reinforced composite shell: An experimental study. Polymers and Polymer Composites, 2020, 28, 223-232.	1.9	10
30964	Au Plasmonic Shofar Structures. Plasmonics, 2020, 15, 201-208.	3.4	0

#	ARTICLE	IF	CITATIONS
30965	Biomimetic carbon nanotubes for neurological disease therapeutics as inherent medication. Acta Pharmaceutica Sinica B, 2020, 10, 239-248.	12.0	65
30966	Analysis of adsorption properties of SF ₆ decomposed gases (SOF ₂ , SO ₂ F ₂ , SF ₄ , CF ₄ , and HF) on Fe-doped SWCNT: A DFT study. Applied Surface Science, 2020, 505, 144622.	6.1	35
30967	Temperature-related study on buckling properties of double-walled carbon nanotubes. European Journal of Mechanics, A/Solids, 2020, 80, 103875.	3.7	5
30968	Electronic structure and optical characteristics of AA stacked bilayer graphene: A first principles calculations. Optik, 2020, 206, 163755.	2.9	16
30969	Hybrid materials with carbon nanotubes for gas sensing. , 2020, , 185-222.		6
30970	Interlayer equilibrium between graphitic nanostructures using continuum modeling approaches. Applied Mathematical Modelling, 2020, 78, 886-906.	4.2	4
30971	A DFT study on Pt doped (4,0) SWCNT: CO adsorption and sensing. Applied Surface Science, 2020, 504, 144141.	6.1	73
30972	Metal-organic nanotubes: Designs, structures and functions. Coordination Chemistry Reviews, 2020, 403, 213083.	18.8	33
30973	Buckling and vibration analysis of FG-CNT-reinforced composite rectangular thick nanoplates resting on Kerr foundation based on nonlocal strain gradient theory. JVC/Journal of Vibration and Control, 2020, 26, 277-305.	2.6	21
30974	Use of nanomaterials for environmental analysis. , 2020, , 277-322.		1
30975	Polydopamine modified ordered mesoporous carbon for synergistic enhancement of enrichment efficiency and mass transfer towards phenols. Analytica Chimica Acta, 2020, 1095, 109-117.	5.4	18
30976	Macroscopically aligned carbon nanotubes for flexible and high-temperature electronics, optoelectronics, and thermoelectrics. Journal Physics D: Applied Physics, 2020, 53, 063001.	2.8	19
30977	Flexible electronics based on one-dimensional and two-dimensional hybrid nanomaterials. Informa Materials, 2020, 2, 33-56.	17.3	81
30978	Modified heat transfer flow model for SWCNTs-H ₂ O and MWCNTs-H ₂ O and	2.6	20
30979	Separation techniques with nanomaterials. , 2020, , 99-158.		3
30980	Membrane applications of nanomaterials. , 2020, , 159-182.		13
30981	Nanomaterial-based sensors. , 2020, , 329-359.		17
30982	Electroconductive starch/multi-walled carbon nanotube films plasticized by 1-ethyl-3-methylimidazolium acetate. Carbohydrate Polymers, 2020, 229, 115545.	10.2	22

#	ARTICLE	IF	CITATIONS
30983	Nematic liquid crystal 4-cyano-4'-pentylbiphenyl functionalization of MWNTs for improved thermal and mechanical properties of silicone pressure sensitive adhesives. International Journal of Adhesion and Adhesives, 2020, 98, 102457.	2.9	6
30984	Molecular dynamics simulation study of Glycine tip-functionalisation of single-walled carbon nanotubes as emerging nanovectors for the delivery of anticancer drugs. Molecular Simulation, 2020, 46, 111-120.	2.0	6
30986	The electronic transport properties in graphyne and graphyne-like carbon-nitride nanoribbons. Journal Physics D: Applied Physics, 2020, 53, 055301.	2.8	0
30987	Interlaminar Fracture Toughness Characterization of Laminated Composites: A Review. Polymer Reviews, 2020, 60, 542-593.	10.9	42
30988	Carbon nanotube localization at interface in cocontinuous blends of polyethylene and polycarbonate. Journal of Applied Polymer Science, 2020, 137, 48676.	2.6	8
30989	Superhard conductive orthorhombic carbon polymorphs. Carbon, 2020, 158, 546-552.	10.3	27
30990	Manipulating nanoscale structure to control functionality in printed organic photovoltaic, transistor and bioelectronic devices. Nanotechnology, 2020, 31, 092002.	2.6	22
30991	Carbon nanotubes and carbon fibers in a flash: an easy and convenient preparation of carbon nanostructures using a conventional microwave. Canadian Journal of Chemistry, 2020, 98, 49-55.	1.1	4
30992	Electrical, optical and mechanical properties of chitosan biocomposites. Journal of Composite Materials, 2020, 54, 1497-1510.	2.4	21
30993	Graphene oxide-assisted multi-walled carbon nanotube reinforcement of the transport properties in cementitious composites. Journal of Materials Science, 2020, 55, 603-618.	3.7	19
30994	Sustainability of One-Dimensional Nanostructures. , 2020, , 83-113.		25
30995	Preparation of tin oxide nanostructures by chemical vapor deposition. , 2020, , 247-280.		10
30996	In-plane breathing and shear modes in low-dimensional nanostructures. Carbon, 2020, 157, 364-370.	10.3	14
30997	Hydrolytic degradation and cytotoxicity of poly(lactic acid)/glycolic acid/multiwalled carbon nanotubes for bone regeneration. Journal of Applied Polymer Science, 2020, 137, 48439.	2.6	14
30998	Research on the Preparation of Graphdiyne and Its Derivatives. Chemistry - A European Journal, 2020, 26, 569-583.	3.3	42
30999	Engineered nanomaterials and their surface functionalization for the removal of heavy metals: A review. Journal of Water Process Engineering, 2020, 33, 101009.	5.6	187
31000	Modeling and numerical investigation of the viscoelastic behavior of laminated concrete beams strengthened by CFRP strips and carbon nanotubes. Construction and Building Materials, 2020, 233, 117311.	7.2	10
31001	Environmental remediation. , 2020, , 525-576.		17

#	ARTICLE	IF	CITATIONS
31002	Electrochemical behavior of the dye methylene blue on screen-printed gold electrodes modified with carbon nanotubes. , 2020, , 243-254.		1
31003	Entropy optimized dissipative CNTs based flow with probable error and statistical declaration. Computer Methods and Programs in Biomedicine, 2020, 185, 105137.	4.7	1
31004	Crystalline transformation from ta-C to graphene induced by a catalytic Ni layer during annealing. Diamond and Related Materials, 2020, 101, 107556.	3.9	5
31005	Mechanical properties, lattice thermal conductivity, infrared and Raman spectrum of the fullerite C24. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126035.	2.1	7
31006	Spatially separated spin carriers in three-ports graphene nanoribbons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126058.	2.1	1
31007	Fabrication of hybrid PVA-PVC/SnZnOx/SWCNTs nanocomposites as Sn ²⁺ ionic probe for environmental safety. Polymer-Plastics Technology and Materials, 2020, 59, 642-657.	1.3	8
31008	Upshot of magnetic dipole on the flow of nanofluid along a stretched cylinder with gyrotactic microorganism in a stratified medium. Physica Scripta, 2020, 95, 025702.	2.5	27
31009	Nanocarbon Catalysts: Recent Understanding Regarding the Active Sites. Advanced Science, 2020, 7, 1902126.	11.2	94
31010	Advances in precursor system for silica-based aerogel production toward improved mechanical properties, customized morphology, and multifunctionality: A review. Advances in Colloid and Interface Science, 2020, 276, 102101.	14.7	99
31012	Buckling of blue phosphorus nanotubes under axial compression: Insights from molecular dynamics simulations. Journal of Applied Physics, 2020, 127, 014301.	2.5	3
31013	TiO ₂ Nanoparticles Immobilized on Carbon Nanotubes: An Efficient Heterogeneous Catalyst in Cyclocondensation Reaction of Isatins with Malononitrile and 4-Hydroxycoumarin or 3,4-Methylenedioxyphenol under Mild Reaction Conditions. Applied Organometallic Chemistry, 2020, 34, e5462.	3.5	20
31014	Introduction to Carbon-Based Nanostructures. , 2020, , 1-10.		0
31015	The New Family of Two-Dimensional Materials and van der Waals Heterostructures. , 2020, , 70-91.		0
31016	Quantum Transport: General Concepts. , 2020, , 92-119.		0
31017	Klein Tunneling and Ballistic Transport in Graphene and Related Materials. , 2020, , 120-144.		0
31018	Quantum Transport in Disordered Graphene-Based Materials. , 2020, , 145-209.		0
31019	A memory nanodevice based on Zn-MOF-74: a molecular dynamics study. Journal of Materials Chemistry C, 2020, 8, 1567-1570.	5.5	5
31020	Post-critical buckling of truncated conical carbon nanotubes considering surface effects embedding in a nonlinear Winkler substrate using the Rayleigh-Ritz method. Materials Research Express, 2020, 7, 025005.	1.6	32

#	ARTICLE	IF	CITATIONS
31021	RUBBER NANOCOMPOSITES REINFORCED WITH SINGLE-WALL AND MULTIWALL CARBON NANOTUBES FOR INDUSTRIAL APPLICATIONS. Rubber Chemistry and Technology, 2020, 93, 157-171.	1.2	8
31022	Amperometric hydrazine sensor based on the use of a gold nanoparticle-modified nanocomposite consisting of porous polydopamine, multiwalled carbon nanotubes and reduced graphene oxide. Mikrochimica Acta, 2020, 187, 89.	5.0	14
31023	Electromagnetic Scattering Properties of MWCNTs/Graphene Doped Epoxy Layered with PVC Nanofiber/E-Glass Composites. Journal of Electronic Materials, 2020, 49, 2249-2256.	2.2	15
31024	A Review on Binderless Tungsten Carbide: Development and Application. Nano-Micro Letters, 2020, 12, 13.	27.0	87
31025	Facile self-assembling of three-dimensional graphene/solvent free carbon nanotubes fluid framework for high performance supercapacitors. Journal of Alloys and Compounds, 2020, 820, 153157.	5.5	11
31026	Dynamic analysis of carbon nanotube reinforced composite plates by using BÃ©zier extraction based isogeometric finite element combined with higher-order shear deformation theory. Mechanics of Materials, 2020, 142, 103307.	3.2	17
31027	A map between excitation magnitude and critical stable temperature for screwing oscillators built on double-walled nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 118, 113943.	2.7	4
31028	High-Performance, Wearable Thermoelectric Generator Based on a Highly Aligned Carbon Nanotube Sheet. ACS Applied Energy Materials, 2020, 3, 1199-1206.	5.1	43
31029	Hydrothermally self-templated synthesis of rectangular polyimide submicrotubes and promising potentials in electrochemical energy storage. Chemical Communications, 2020, 56, 1429-1432.	4.1	27
31030	Nano-makisu: highly anisotropic two-dimensional carbon allotropes made by weaving together nanotubes. Nanoscale, 2020, 12, 347-355.	5.6	3
31031	THIN FILM FLOW OF CNTs NANOFLUID OVER A THIN NEEDLE SURFACE. Surface Review and Letters, 2020, 27, 1950189.	1.1	2
31032	Stable rotation transmission of a CNT-based nanogear drive system with intersecting axes at low temperature. Surface Science, 2020, 693, 121548.	1.9	9
31033	Dynamic Liquid Membrane Electrochemical Modification of Carbon Nanotube Fiber for Electrochemical Microfabrication. ACS Applied Materials & Interfaces, 2020, 12, 6183-6192.	8.0	5
31034	Tensile properties of carbon nanotubes reinforced aluminum matrix composites: A review. Carbon, 2020, 160, 14-44.	10.3	130
31035	Interlaminar toughening of unidirectional CFRP with multilayers graphene and MWCNTs for Mode â€¦ fracture. Composite Structures, 2020, 236, 111888.	5.8	32
31036	Development of nanohybrids based on carbon nanotubes/P(EDOT-co-MPy) and P(EDOT-co-PyMP) copolymers as electrode materials for aqueous supercapacitors. Electrochimica Acta, 2020, 335, 135637.	5.2	9
31039	Electronic Properties of Carbon-Based Nanostructures. , 2020, , 11-69.		0
31040	Quantum Hall Effects in Graphene. , 2020, , 210-236.		0

#	ARTICLE	IF	CITATIONS
31041	Spin-Related Phenomena. , 2020, , 237-277.		0
31042	Ab Initio and Multiscale Quantum Transport in Graphene-Based Materials. , 2020, , 293-353.		0
31046	High Peel Strength and Flexible Aligned Carbon Nanotubes/Etched Al Foil Composites with Boosted Supercapacitor and Thermal Dissipation Performances. Industrial & Engineering Chemistry Research, 2020, 59, 1549-1558.	3.7	3
31047	Enhancement of electrical and thermal properties of graphene by aligned carbon nanotubes. Materials Research Express, 2020, 7, 015046.	1.6	0
31048	Carbon Nanotubes-Supported Pt Electrocatalysts for O ₂ Reduction Reaction—Effect of Number of Nanotube Walls. Journal of Nanoscience and Nanotechnology, 2020, 20, 2736-2745.	0.9	10
31050	Charge transfer between lead halide perovskite nanocrystals and single-walled carbon nanotubes. Nanoscale Advances, 2020, 2, 808-813.	4.6	15
31051	A novel molecular tube fully modified at one end: selective inclusion of <i>cis</i> -unsaturated fatty acid esters. Chemical Communications, 2020, 56, 1353-1356.	4.1	8
31052	A microwave-assisted template-free route for large-scale synthesis of photoluminescent single crystal CsPbI ₃ nanotubes. CrystEngComm, 2020, 22, 623-627.	2.6	2
31053	Layer-by-layer assembly for immobilizing enzymes in enzymatic biofuel cells. Sustainable Energy and Fuels, 2020, 4, 68-79.	4.9	36
31054	A review of non-precious metal single atom confined nanomaterials in different structural dimensions (1D–3D) as highly active oxygen redox reaction electrocatalysts. Journal of Materials Chemistry A, 2020, 8, 2222-2245.	10.3	59
31055	Health monitoring of composite materials based on BP sensors under complex environments. Micro and Nano Letters, 2020, 15, 18-23.	1.3	0
31056	Nanodiamond in composite: Biomedical application. Journal of Biomedical Materials Research - Part A, 2020, 108, 906-922.	4.0	36
31057	Electrical, thermal, and mechanical properties of polypropylene/multiwalled carbon nanotube micromoldings. Polymer Composites, 2020, 41, 1507-1520.	4.6	7
31058	Proposal of an Embedded Nanogap Biosensor by a Graphene Nanoribbon Field-Effect Transistor for Biological Samples Detection. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900879.	1.8	10
31059	On topological indices of carbon nanocones and nanotori. International Journal of Quantum Chemistry, 2020, 120, e26082.	2.0	22
31060	Utilization of carbon nanotubes in removal of heavy metals from wastewater: a review of the CNTs™ potential and current challenges. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	76
31061	Enhancement of heat transfer in peristaltic flow in a permeable channel under induced magnetic field using different CNTs. Journal of Thermal Analysis and Calorimetry, 2020, 140, 1277-1291.	3.6	73
31062	Electron beam-induced changes in tips of multi-walled carbon nanotubes with/without Au nanoparticles. Applied Nanoscience (Switzerland), 2020, 10, 1521-1534.	3.1	6

#	ARTICLE	IF	CITATIONS
31063	Electrochemical and hydrodynamic flow characterization of corrosion protection persistence of nickel/multiwalled carbon nanotubes composite coating. <i>Applied Surface Science</i> , 2020, 507, 145073.	6.1	22
31064	Investigation of the electronic and structural properties of graphyne oxide toward CO, CO ₂ and NH ₃ adsorption: A DFT and MD study. <i>Applied Surface Science</i> , 2020, 507, 145134.	6.1	46
31065	Unique approach to debundle carbon nanotubes in polymer matrix using carbon dots for enhanced properties. <i>European Polymer Journal</i> , 2020, 123, 109454.	5.4	15
31066	Templating colloidal sieves for tuning nanotube surface interactions and optical sensor responses. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 55-62.	9.4	14
31067	Structural and microstructural study of novel stacked toroidal carbon nanotubes. <i>Micron</i> , 2020, 130, 102816.	2.2	9
31068	A comprehensive DFT study of the molecular structures of (6, 3) chiral carbon nanotubes doped with the elements of groups III and V. <i>Journal of Molecular Structure</i> , 2020, 1205, 127662.	3.6	4
31069	The influence of heating rate on the microstructural evolutions and mechanical properties of spark plasma sintered multi-walled carbon nanotubes reinforced NiAl intermetallic matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138869.	5.6	5
31070	Statistical and parametric instability analysis for delivery of nanoparticles through embedded DWCNT. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 554, 123911.	2.6	10
31071	Liquid Exfoliation and Optoelectronic Devices of Fibrous Phosphorus. <i>Inorganic Chemistry</i> , 2020, 59, 976-979.	4.0	11
31072	Single-Molecule Nanotechnologies: An Evolution in Biological Dynamics Detection. <i>ACS Applied Bio Materials</i> , 2020, 3, 68-85.	4.6	24
31073	Performance Enhancement of Dye-Sensitized Solar Cells by Utilizing Carbon Nanotubes as an Electrolyte-Treating Agent. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1102-1111.	6.7	11
31074	Molecular dynamic simulation of defect-driven rotary system based on a triple-walled carbon nanotube and graphene. <i>Molecular Simulation</i> , 2020, 46, 356-361.	2.0	11
31075	Quantification of carbon nanotube dispersion and its correlation with mechanical and thermal properties of epoxy nanocomposites. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48879.	2.6	19
31076	Polydopamine – its Prolific Use as Catalyst and Support Material. <i>ChemCatChem</i> , 2020, 12, 2649-2689.	3.7	40
31077	State-of-the-art and recent developments in micro/nanoscale pressure sensors for smart wearable devices and health monitoring systems. <i>Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering</i> , 2020, 3, 43-52.	3.2	42
31078	Diameter-selected single-walled carbon nanotubes for the passive Q-switching operation at 2.4 μm. <i>Optical Materials</i> , 2020, 100, 109627.	3.6	8
31079	Diameter-Modulated Multi-Walled Carbon Nanotubes Without Bamboo-Like Partitions: Growth, Structure and Deformation Behaviors. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 3038-3041.	0.9	3
31080	Highly Sensitive Detection of NO ₂ by Au and TiO ₂ Nanoparticles Decorated SWCNTs Sensors. <i>Sensors</i> , 2020, 20, 12.	3.8	31

#	ARTICLE	IF	CITATIONS
31081	Single-walled carbon nanotubes as delivery vehicles enhance the immunoprotective effect of an immersion DNA vaccine against infectious spleen and kidney necrosis virus in mandarin fish. <i>Fish and Shellfish Immunology</i> , 2020, 97, 432-439.	3.6	25
31082	Synthesis and electrochemical performances of platinum decorated polydopamine-coated carbon nanotubes/graphene composites as fuel cell catalysts. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153586.	5.5	12
31083	Excellent bonding strength between steel and thermoplastic resin using roughened electrodeposited Ni/CNT composite layer without adhesives. <i>Materials Letters</i> , 2020, 263, 127241.	2.6	12
31084	Enhanced tensile properties and electrical conductivity of Cu-CNT nanocomposites processed via the combination of flake powder metallurgy and high pressure torsion methods. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 773, 138888.	5.6	46
31085	Isogeometric analysis of FG-CNTRC plates in combination with hybrid type higher-order shear deformation theory. <i>Thin-Walled Structures</i> , 2020, 148, 106565.	5.3	16
31086	Local aromaticity in polyacenes manifested by individual proton and carbon shieldings: DFT mapping of aromaticity. <i>Magnetic Resonance in Chemistry</i> , 2020, 58, 145-153.	1.9	2
31087	Electro spun nanomats strengthened glass fiber hybrid composites: Improved mechanical properties using continuous nanofibers. <i>Polymer Composites</i> , 2020, 41, 958-971.	4.6	6
31088	Carbon nanotube- and graphene-reinforced multiphase polymeric composites: review on their properties and applications. <i>Journal of Materials Science</i> , 2020, 55, 2682-2724.	3.7	207
31089	High-yield growth of multi-walled carbon nanowires by magnetic field controlled arc technique. <i>Carbon</i> , 2020, 158, 672-680.	10.3	6
31090	Systems based on carbon nanotubes with potential in cancer therapy. <i>Materials Chemistry and Physics</i> , 2020, 241, 122435.	4.0	27
31091	Density control of vertically aligned carbon nanotubes and its effect on field emission properties. <i>Materials Today Communications</i> , 2020, 22, 100761.	1.9	7
31092	Temperature dependence of the Seebeck coefficient for mixed semiconducting and metallic single-wall carbon nanotube bundles. <i>Applied Physics Express</i> , 2020, 13, 015001.	2.4	8
31093	Nanostructure interface for lithium-ion batteries. , 2020, , 35-67.		1
31094	Carbon nanomaterials. , 2020, , 55-84.		5
31095	Multifunctional phototheranostic nanomedicine for cancer imaging and treatment. <i>Materials Today Bio</i> , 2020, 5, 100035.	5.5	167
31096	Diameter-dependent polygonal cross section for holey phenine nanotubes. <i>Nanotechnology</i> , 2020, 31, 085702.	2.6	3
31097	Efficient solvothermal reduction of coarse-scale graphene oxide. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 140, 109259.	4.0	4
31098	Three-dimensional polymer networks for solid-state electrochemical energy storage. <i>Chemical Engineering Journal</i> , 2020, 391, 123548.	12.7	44

#	ARTICLE	IF	CITATIONS
31099	Interphase structures and properties of carbon nanotube-reinforced polymer nanocomposite fibers. , 2020, , 71-102.		2
31100	Improved optical and electrochemical performance of MoS ₂ -incorporated TiO ₂ -PbS nanocomposite for solar paint application. Journal of Materials Science: Materials in Electronics, 2020, 31, 2625-2633.	2.2	7
31101	Investigating the effect of carbon nanotube on early age hydration of cementitious composites with isothermal calorimetry and Fourier transform infrared spectroscopy. Cement and Concrete Composites, 2020, 107, 103513.	10.7	36
31102	Properties of electrochemical double-layer capacitors with carbon-nanotubes-on-carbon-fiber-felt electrodes. Electrochimica Acta, 2020, 334, 135548.	5.2	23
31103	Titanate nanotube confined merger of organic photocatalysis and TEMPO catalysis for highly selective aerobic oxidation of sulfides. Sustainable Energy and Fuels, 2020, 4, 1754-1763.	4.9	15
31104	The peeling behavior of compliant cylindrical shells in adhesive contact with a planar rigid substrate. Soft Matter, 2020, 16, 1011-1020.	2.7	2
31105	Novel carbon-based separation membranes composed of integrated zero- and one-dimensional nanomaterials. Journal of Materials Chemistry A, 2020, 8, 1084-1090.	10.3	20
31106	Design of CNTFET-Based CCII Using gm/ID Technique for Low-Voltage and Low-Power Applications. Journal of Circuits, Systems and Computers, 2020, 29, 2050143.	1.5	6
31107	Nonlinear vibration analysis of an embedded branched nanofluid-conveying carbon nanotube: Influence of downstream angle, temperature change and two dimensional external magnetic field. Nano Materials Science, 2020, 2, 323-332.	8.8	7
31108	A self-healing flexible urea- <i>g</i> -MWCNTs/poly(urethane-sulfide) nanocomposite for sealing electronic devices. Journal of Materials Chemistry C, 2020, 8, 607-618.	5.5	15
31109	“Paper Dye-Sensitized Solar Cell”-Based on Carbon-Nanotube-Composite Papers. Energies, 2020, 13, 57.	3.1	9
31110	Fabrication and damping behaviors of novel polyurethane/TiNiCu composites. Physica B: Condensed Matter, 2020, 582, 411911.	2.7	9
31111	The History of Nanoscience and Nanotechnology: From Chemical “Physical Applications to Nanomedicine. Molecules, 2020, 25, 112.	3.8	800
31113	Molecular dynamics simulations of surfactant adsorption on carbon nanotubes intended for biomedical applications. Adsorption, 2020, 26, 141-149.	3.0	3
31114	Electrical conductivity of CNT/polymer composites: 3D printing, measurements and modeling. Composites Part B: Engineering, 2020, 183, 107600.	12.0	151
31115	Hydrogenation Dynamics Process of Single-Wall Carbon Nanotube Twisted. Chemical Physics Letters, 2020, 739, 136960.	2.6	4
31116	Catalytic conversion of hard plastics to valuable carbon nanotubes. Journal of Analytical and Applied Pyrolysis, 2020, 145, 104748.	5.5	36
31117	Recent progress of flexible sulfur cathode based on carbon host for lithium-sulfur batteries. Journal of Materials Science and Technology, 2020, 55, 56-72.	10.7	53

#	ARTICLE	IF	CITATIONS
31118	An overview on the significance of carbon-based nanomaterials in upstream oil and gas industry. Journal of Petroleum Science and Engineering, 2020, 186, 106783.	4.2	26
31119	Moving axial load on dynamic response of single-walled carbon nanotubes using classical, Rayleigh and Bishop rod models based on Eringen's theory. JVC/Journal of Vibration and Control, 2020, 26, 913-928.	2.6	17
31120	Free-standing flexible multiwalled carbon nanotubes paper for wearable thermoelectric power generator. Journal of Power Sources, 2020, 449, 227493.	7.8	38
31121	Structure-property relationship in silicone rubber nanocomposites reinforced with carbon nanomaterials for sensors and actuators. Sensors and Actuators A: Physical, 2020, 303, 111712.	4.1	30
31123	Experimental methods in chemical engineering: Transmission electron microscopyâ€”TEM. Canadian Journal of Chemical Engineering, 2020, 98, 628-641.	1.7	7
31124	Silver-decorated multiwall carbon nanotubes: synthesis characterization and application in polymer composite-based devices. Journal of Materials Science: Materials in Electronics, 2020, 31, 1451-1460.	2.2	7
31125	Optical and Electrical Properties of Double-Walled Carbon Nanotube/Polyaniline Composite. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1439-1445.	1.8	7
31126	Carbon nanotube fibers spun directly from furnace. , 2020, , 37-59.		3
31127	A brief review on synthesis, properties and lithium-ion battery applications of borophene. FlatChem, 2020, 19, 100150.	5.6	35
31128	Electronic and magnetic properties of zigzag \pm -graphyne nanoribbons with edge fluorine modification. Journal of Magnetism and Magnetic Materials, 2020, 498, 166194.	2.3	8
31129	A facile rheological approach for the evaluation of â€œsuper toughness pointâ€•of compatibilized HDPE / MWCNT nanocomposites. Polymer Testing, 2020, 81, 106280.	4.8	14
31130	Investigation on carbon nanotube oxide for anhydrous proton exchange membranes application. Journal of Applied Polymer Science, 2020, 137, 48833.	2.6	8
31131	Multi-walled carbon nano-tubes for performance enhancement of thin film heat flux sensors. Heat and Mass Transfer, 2020, 56, 1537-1549.	2.1	6
31132	Nonlinear deformation and stress responses of a graded carbon nanotube sandwich plate structure under thermoelastic loading. Acta Mechanica, 2020, 231, 1105-1123.	2.1	12
31133	Catalyst-Free Growth of MoS ₂ Nanorods Synthesized by Dual Pulsed Laser-Assisted Chemical Vapor Deposition and Their Structural, Optical and Electrical Properties. Journal of Electronic Materials, 2020, 49, 1957-1968.	2.2	7
31134	Design of new imidazole-derivative dye having donor-â†acceptor moieties for highly efficient organic-dye-sensitized solar cells. Optik, 2020, 208, 164074.	2.9	6
31135	Carbon rods with hexa-branched structure and their formation mechanism. Materials Letters, 2020, 262, 127198.	2.6	0
31136	Advances in dual functional antimicrobial and osteoinductive biomaterials for orthopaedic applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102143.	3.3	47

#	ARTICLE	IF	CITATIONS
31137	Relative humidity sensing properties of doped polyaniline-encased multiwall carbon nanotubes: wearable and flexible human respiration monitoring application. Journal of Materials Science, 2020, 55, 3884-3901.	3.7	37
31138	Reliable optoelectronic switchable device implementation by CdS nanowires conjugated bent-core liquid crystal matrix. Organic Electronics, 2020, 82, 105592.	2.6	33
31139	Mussel-inspired polymerization of catechol and 1,6-hexamethylenediamine for material-independent surface chemistry. Applied Surface Science, 2020, 507, 145080.	6.1	13
31140	Extraordinary reinforcing effect of carbon nanotubes in aluminium matrix composites assisted by in-situ alumina nanoparticles. Composites Part B: Engineering, 2020, 183, 107691.	12.0	93
31141	Fabricating Organic Nanotubes through Selective Disassembly of Two-Dimensional Covalent Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 70-74.	13.7	81
31142	Instability analysis of carbon nanotubes conveying viscoelastic fluid. Journal Physics D: Applied Physics, 2020, 53, 11LT01.	2.8	4
31143	High-Performance On-Chip Thermionic Electron Micro-Emitter Arrays Based on Super-Aligned Carbon Nanotube Films. Advanced Functional Materials, 2020, 30, 1907814.	14.9	8
31144	Study on size-dependent vibration and stability of DWCNTs subjected to moving nanoparticles and embedded on two-parameter foundations. Mechanics of Materials, 2020, 142, 103279.	3.2	18
31145	Cementitious material reinforced by carbon nanotube-Nylon 66 hybrid nanofibers: Mechanical strength and microstructure analysis. Materials Today Communications, 2020, 23, 100845.	1.9	11
31146	A review of recent advances in thermophysical properties at the nanoscale: From solid state to colloids. Physics Reports, 2020, 843, 1-81.	25.6	344
31147	Chemical vapor deposition synthesis of carbon spheres: Effects of temperature and hydrogen. Vacuum, 2020, 172, 109108.	3.5	25
31148	Carbon Nanotube-Reinforced Aluminum Matrix Composites. Advanced Engineering Materials, 2020, 22, 1901176.	3.5	55
31149	Fivefold enhancement of yield and toughness of copper nanowires via coating carbon nanotubes. Nanotechnology, 2020, 31, 115703.	2.6	4
31150	Effect of H bonds on thermal behavior and cohesion in polylactic acid nanocomposites and nitrogen-doped carbon nanotubes. Journal of Materials Science, 2020, 55, 3354-3368.	3.7	5
31151	Spin multiple functional devices in zigzag-edged graphyne nanoribbons based molecular nanojunctions. Journal of Magnetism and Magnetic Materials, 2020, 498, 166223.	2.3	9
31152	Electrical modeling and design. , 2020, , 13-57.		0
31153	New extraction media in microextraction techniques. A review of reviews. Microchemical Journal, 2020, 153, 104386.	4.5	57
31154	Effect of differing stator and rotor radii on a three-class rotation-transmission nanobearing driven by a gigahertz rotary nanomotor. Materials Today Communications, 2020, 22, 100782.	1.9	2

#	ARTICLE	IF	CITATIONS
31155	Mechanical properties of Sn-58Åwt%Bi solder containing Ag-decorated MWCNT with thermal aging tests. Journal of Alloys and Compounds, 2020, 820, 153077.	5.5	28
31156	A facile approach to the scalable preparation of thermoplastic/carbon nanotube composites. Nanotechnology, 2020, 31, 195706.	2.6	8
31157	Low temperature growth of carbon nanotubes “ A review. Carbon, 2020, 158, 24-44.	10.3	80
31158	Mechanical properties and microstructure of multi-walled carbon nanotube-reinforced cementitious composites under the early-age freezing conditions. Construction and Building Materials, 2020, 233, 117317.	7.2	24
31159	Chemically interconnected ternary AgNP/polypyrrole/functionalized buckypaper composites as high-energy-density supercapacitor electrodes. Chemical Physics Letters, 2020, 739, 136957.	2.6	11
31160	Electrodeposition of a Ni-P composite coating reinforced with Ti3C2Tx@TiO2/MoS2 particles. Materials Chemistry and Physics, 2020, 241, 122448.	4.0	17
31161	Contribution of oriented structure and rigid nanofillers to mechanical enhancement of die-drawn PP/MWCNT composites. Polymer Testing, 2020, 81, 106165.	4.8	9
31162	Multiwalled carbon nanotubes bound beta-galactosidase: It's activity, stability and reusability. Methods in Enzymology, 2020, 630, 365-405.	1.0	4
31163	Magnetic nanocatalysts derived from carbon nanotubes functionalized with imidazole: towards pesticide degradation. Applied Catalysis B: Environmental, 2020, 264, 118496.	20.2	17
31164	Free vibration response of carbon nanotube reinforced pretwisted conical shell under thermal environment. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 770-783.	2.1	22
31165	A brief history of nanotechnology and introduction to nanoparticles for biomedical applications. , 2020, , 1-4.		13
31166	Carbon nanomaterials: fundamental concepts, biological interactions, and clinical applications. , 2020, , 223-242.		7
31167	Vibration of fluid-conveying nanotubes subjected to magnetic field based on the thin-walled Timoshenko beam theory. Applied Mathematical Modelling, 2020, 80, 65-83.	4.2	45
31168	Equilibrium structures and flows of polar and nonpolar liquids and their mixtures in carbon nanotubes with rectangular cross sections. Computational Materials Science, 2020, 172, 109296.	3.0	1
31169	Energetics and electronic structures of single walled carbon nanotubes encapsulated in boron nitride nanotubes. Applied Physics Express, 2020, 13, 015004.	2.4	5
31170	Advanced Nanomaterials for Nuclear Energy and Nanotechnology. Energy Technology, 2020, 8, 1901070.	3.8	16
31171	The Application of Carbon Nanotube/Graphene-Based Nanomaterials in Wastewater Treatment. Small, 2020, 16, e1902301.	10.0	109
31172	Thermal transfer, interfacial, and mechanical properties of carbon fiber/polycarbonate-CNT composites using infrared thermography. Polymer Testing, 2020, 81, 106247.	4.8	22

#	ARTICLE	IF	CITATIONS
31173	Enhancements in self-curing composites. , 2020, , 177-192.		0
31174	Geometrically nonlinear analysis of CNT-reinforced functionally graded composite plates integrated with piezoelectric layers. Composite Structures, 2020, 234, 111694.	5.8	18
31175	Fluid velocity and mass ratio identification of piezoelectric nanotube conveying fluid using inverse analysis. Acta Mechanica, 2020, 231, 683-700.	2.1	5
31176	Recent advances in carbon nanomaterial-based adsorbents for water purification. Coordination Chemistry Reviews, 2020, 405, 213111.	18.8	329
31177	Modulating the photocatalytic activity of Ag nanoparticles-titanate nanotubes heterojunctions through control of microwave-assisted synthesis conditions. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 390, 112264.	3.9	12
31178	Electronic and transport properties of (6,2) carbon and silicon nanotubes: A first-principles calculation. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 117, 113855.	2.7	10
31179	Few biomedical applications of carbon nanotubes. Methods in Enzymology, 2020, 630, 347-363.	1.0	14
31180	Highly enhanced field emission from copper oxide nanoparticle decorated vertically aligned carbon nanotubes: Role of interfacial electronic structure. Applied Surface Science, 2020, 508, 145215.	6.1	22
31181	Structural, mechanical, and electronic properties of P21/m-Carbonâœ°. Chinese Journal of Physics, 2020, 67, 63-68.	3.9	0
31182	Fabrication of soft-nanocomposites from functional molecules with diversified applications. Soft Matter, 2020, 16, 27-53.	2.7	11
31183	Reviewâ€”Biomass Derived Carbon Materials for Electrochemical Sensors. Journal of the Electrochemical Society, 2020, 167, 037526.	2.9	64
31184	Far-infrared absorption of undoped and Br-doped carbon nanofiber powder in stacked-cup cone configuration. Physical Review B, 2020, 102, .	3.2	1
31185	Theoretical studies on electronic properties of a new carbon allotrope with paring of pentagonal and heptagonal rings. European Physical Journal Plus, 2020, 135, 1.	2.6	3
31186	Synthesis of Carbon Nanomaterials from Biomass Utilizing Ionic Liquids for Potential Application in Solar Energy Conversion and Storage. Materials, 2020, 13, 3945.	2.9	16
31187	Vapor-Grown Carbon Fiber Synthesis, Properties, and Applications. , 2020, , .		1
31188	Effect of diameter of multi-walled carbon nanotubes on mechanical properties and microstructure of the cement-based materials. Construction and Building Materials, 2020, 260, 120452.	7.2	55
31189	Horizontal Single-Walled Carbon Nanotube Arrays: Controlled Synthesis, Characterizations, and Applications. Chemical Reviews, 2020, 120, 12592-12684.	47.7	74
31190	Medical Applications Based on Supramolecular Self-Assembled Materials From Tannic Acid. Frontiers in Chemistry, 2020, 8, 583484.	3.6	49

#	ARTICLE	IF	CITATIONS
31191	Gold nanotubes: synthesis, properties and biomedical applications. <i>Mikrochimica Acta</i> , 2020, 187, 612.	5.0	25
31193	Carbon nanomaterials against pathogens; the antimicrobial activity of carbon nanotubes, graphene/graphene oxide, fullerenes, and their nanocomposites. <i>Advances in Colloid and Interface Science</i> , 2020, 284, 102250.	14.7	198
31194	Analysis of mechanical and thermal properties of carbon and silicon nanomaterials using a coarse-grained molecular dynamics method. <i>International Journal of Mechanical Sciences</i> , 2020, 187, 106112.	6.7	10
31195	Static and free vibration analysis of functionally graded CNT reinforced composite plates using trigonometric shear deformation theory. <i>Structures</i> , 2020, 28, 685-696.	3.6	24
31196	Flexible Integrated Circuits Based on Carbon Nanotubes. <i>Accounts of Materials Research</i> , 2020, 1, 88-99.	11.7	18
31197	Graphdiyne Saturable Absorber for Passively Q-Switched Ho ³⁺ -Doped Laser. <i>Nanomaterials</i> , 2020, 10, 1848.	4.1	14
31198	A functionalized carbon nanotube nanohybrids-based QuEChERS method for detection of pesticide residues in vegetables and fruits. <i>Journal of Chromatography A</i> , 2020, 1631, 461526.	3.7	25
31199	Investigate the importance of mechanical properties of SWCNT on doxorubicin anti-cancer drug adsorption for medical application: A molecular dynamic study. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 101, 107745.	2.4	29
31200	Bitumen and asphalt concrete modified by nanometer-sized particles: Basic concepts, the state of the art and future perspectives of the nanoscale approach. <i>Advances in Colloid and Interface Science</i> , 2020, 285, 102283.	14.7	47
31201	A review on hybrid and flexible CO ₂ gas sensors. <i>Synthetic Metals</i> , 2020, 270, 116602.	3.9	35
31202	Application Status of Carbon Nanotubes in Fire Detection Sensors. <i>Frontiers in Materials</i> , 2020, 7, .	2.4	5
31203	Thermal buckling analysis of porous functionally graded nanocomposite beams reinforced by graphene platelets using Generalized differential quadrature method. <i>Aerospace Science and Technology</i> , 2020, 107, 106261.	4.8	50
31204	Electrocatalytic behavior of a heterostructured nanocomposite sensor for aminotriazole. <i>New Journal of Chemistry</i> , 2020, 44, 19376-19384.	2.8	35
31205	Carbon Nanotubes (CNTs)-Reinforced Magnesium-Based Matrix Composites: A Comprehensive Review. <i>Materials</i> , 2020, 13, 4421.	2.9	70
31206	Nanocellulose as a Sustainable Building Block to Construct Eco-Friendly Thermally Conductive Composites. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19465-19484.	3.7	17
31207	Deposition of carbon nanotube thin films using resistive vacuum evaporation. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
31208	The adsorption of chlorofluoromethane on pristine and Ge-doped silicon carbide nanotube: a PBC-DFT, NBO, and QTAIM study. <i>Molecular Simulation</i> , 2020, 46, 1405-1416.	2.0	33
31209	Dielectric investigations on carbon nanotubes doped polymer dispersed liquid crystal films. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	21

#	ARTICLE	IF	CITATIONS
31210	Vertically Aligned Carbon Nanotube Membranes: Water Purification and Beyond. <i>Membranes</i> , 2020, 10, 273.	3.0	14
31211	Carbon Nanotubes Interference with Luminescence-Based Assays. <i>Materials</i> , 2020, 13, 4270.	2.9	8
31212	Distance-based invariants of zigzag polyhex nanotube. <i>Mathematical Methods in the Applied Sciences</i> , 2020, , .	2.3	2
31213	Nanocarrier centered therapeutic approaches: Recent developments with insight towards the future in the management of lung cancer. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102070.	3.0	12
31214	Improved performance of nanoscale junctionless carbon nanotube tunneling FETs using dual-material source gate design: A quantum simulation study. <i>AEU - International Journal of Electronics and Communications</i> , 2020, 127, 153491.	2.9	21
31215	Antimicrobial film based on polylactic acid and carbon nanotube for controlled cinnamaldehyde release. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10130-10138.	5.8	38
31216	Carbon Nanotubes (CNTs): A Potential Nanomaterial for Water Purification. <i>Journal of Composites Science</i> , 2020, 4, 135.	3.0	63
31217	Carbon-Based Materials (CBMs) for Determination and Remediation of Antimicrobials in Different Substrates: Wastewater and Infant Foods as Examples. , 0, , .		11
31218	Weakly nonlinear wave propagation in nanorods embedded in an elastic medium using nonlocal elasticity theory. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	0
31219	A review on graphene quantum dots and their nanocomposites: from laboratory synthesis towards agricultural and environmental applications. <i>Environmental Science: Nano</i> , 2020, 7, 3710-3734.	4.3	88
31220	Electrochemical synthesis of carbon nano onions. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 4404-4411.	6.0	12
31221	PAI-graphene: A new topological semimetallic two-dimensional carbon allotrope with highly tunable anisotropic Dirac cones. <i>Carbon</i> , 2020, 170, 477-486.	10.3	42
31222	A new carbon allotrope: T5-carbon. <i>Scripta Materialia</i> , 2020, 189, 72-77.	5.2	12
31223	Carbon nanotubes and their polymeric composites: the applications in tissue engineering. <i>Biomanufacturing Reviews</i> , 2020, 5, 1.	4.8	51
31224	Electrical properties of solution cast films of polystyrene/polyaniline-multiwalled carbon nanotube nanocomposites. <i>Composites Part C: Open Access</i> , 2020, 2, 100025.	3.2	8
31225	Metal telluride nanotubes: Synthesis, and applications. <i>Materials Chemistry and Physics</i> , 2020, 256, 123691.	4.0	16
31226	Coal-Based Fluorescent Zero-Dimensional Carbon Nanomaterials: A Short Review. <i>Energy & Fuels</i> , 2020, 34, 13291-13306.	5.1	12
31227	Fabrication of functionally graded hydroxyapatite and structurally graded porous hydroxyapatite by using multi-walled carbon nanotubes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 139, 106138.	7.6	11

#	ARTICLE	IF	CITATIONS
31228	A review: Recent advances in solid phase microextraction of toxic pollutants using nanotechnology scenario. Microchemical Journal, 2020, 159, 105436.	4.5	56
31229	Novel template-free procedure of polyacrylonitrile-derived carbon hollow spheres preparation in the presence of palladium. Nano Structures Nano Objects, 2020, 24, 100555.	3.5	1
31230	Inorganic nanoparticles in clinical trials and translations. Nano Today, 2020, 35, 100972.	11.9	138
31231	Compensation behavior of an anti-ferrimagnetic core-shell nanotube like-structure: Monte Carlo Study. Solid State Communications, 2020, 321, 114047.	1.9	12
31232	Tailoring Multi-Walled Carbon Nanotubes into Graphene Quantum Sheets. ACS Applied Materials & Interfaces, 2020, 12, 47784-47791.	8.0	10
31233	Microwave Absorbing properties of metal functionalized-CNT-polymer composite for stealth applications. Scientific Reports, 2020, 10, 16013.	3.3	19
31234	First-principles study of structural, elastic and electronic properties of naphyne and naphdiyne. RSC Advances, 2020, 10, 35349-35355.	3.6	4
31235	Carbon nanotube-based biomaterials for orthopaedic applications. Journal of Materials Chemistry B, 2020, 8, 9227-9238.	5.8	28
31236	New 2D nanosheets based on the octa-graphene. Journal of Solid State Chemistry, 2020, 290, 121534.	2.9	6
31237	Metal-free carbon materials for persulfate-based advanced oxidation process: Microstructure, property and tailoring. Progress in Materials Science, 2020, 111, 100654.	32.8	250
31238	Impact of melting heat transfer in the time-dependent squeezing nanofluid flow containing carbon nanotubes in a Darcy-Forchheimer porous media with Cattaneo-Christov heat flux. Communications in Theoretical Physics, 2020, 72, 085801.	2.5	26
31239	Nanocomposite membrane materials. , 2020, , 21-99.		0
31240	Low Crystalline MoS ₂ Nanotubes from MoS ₂ Nanomasks for Lithium Ion Battery Applications. ACS Applied Nano Materials, 2020, 3, 7580-7586.	5.0	27
31241	Ab Initio Study of TEPA Adsorption on Pristine, Al and Si Doped Carbon and Boron Nitride Nanotubes. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4297-4310.	3.7	21
31242	Buckypaper and its composites for aeronautic applications. Composites Part B: Engineering, 2020, 199, 108231.	12.0	36
31243	Infrared active modes in double walled CBN nanotube: theoretical study. IOP Conference Series: Materials Science and Engineering, 2020, 783, 012010.	0.6	0
31244	Simulation study on the structural and dynamic properties of ethanol confined in nanochannels. New Journal of Chemistry, 2020, 44, 12595-12602.	2.8	2
31245	Fractal dimensional analysis on dispersion/aggregation state of MWCNT in poly(4-chloromethyl)styrene: effect of UV-induced polymer-MWCNT chemical bond formation and its influence on electrical conductivity of their composites. International Journal of Polymer Analysis and Characterization, 2020, 25, 252-261.	1.9	3

#	ARTICLE	IF	CITATIONS
31246	Mechanical testing of two-dimensional materials: a brief review. International Journal of Smart and Nano Materials, 2020, 11, 207-246.	4.2	20
31247	A theoretical study of the structural and electronic properties of poly(9-vinylcarbazole) interacting with small-diameter single-walled carbon nanotubes. International Journal of Computational Materials Science and Engineering, 2020, 09, 2050009.	0.7	0
31248	Scattering of Incident P-Waves by a Semicylindrical Core-Shell Structure in an Elastically Constrained Half-Space at Nanoscale. Mathematical Problems in Engineering, 2020, 2020, 1-11.	1.1	0
31249	TiO ₂ -based dye-sensitized solar cells prepared with bixin and norbixin natural dyes: Effect of 2,2,6,6-tetramethylpiperidine additive on the current and voltage. Optik, 2020, 218, 165236.	2.9	8
31250	Carbon Nanotube Reinforced High Density Polyethylene Materials for Offshore Sheathing Applications. Molecules, 2020, 25, 2960.	3.8	12
31251	Self-assembly of a poly(phenyleneethynylene) on multiwall carbon nanotubes: Correlation of structural and optoelectronic properties towards solar cells application. Journal of Molecular Structure, 2020, 1222, 128845.	3.6	3
31252	Carbon nanotubes doped with Ni, Pd and Pt: A density functional theory study of adsorption and sensing NO. Surface Science, 2020, 701, 121689.	1.9	26
31253	Spontaneous Symmetry Breaking in Cyclo[18]Carbon. Journal of Physical Chemistry A, 2020, 124, 1152-1157.	2.5	34
31254	Vertically Aligned Carbon Nanotube Microbundle Arrays for Field-Emission Applications. ACS Applied Nano Materials, 2020, 3, 7659-7667.	5.0	10
31255	Flame synthesis of carbon nanotubes on glass fibre fabrics and their enhancement in electrical and thermal properties of glass fibre/epoxy composites. Composites Part B: Engineering, 2020, 198, 108249.	12.0	22
31256	Rheological properties, microstructure and aging resistance of asphalt modified with CNTs/PE composites. Construction and Building Materials, 2020, 262, 120100.	7.2	29
31257	Synthesis of single-walled carbon nanotubes in rich hydrogen/air flames. Materials Chemistry and Physics, 2020, 254, 123479.	4.0	8
31258	Synthetic strategies in construction of organic macromolecular carrier-drug conjugates. Organic and Biomolecular Chemistry, 2020, 18, 5764-5783.	2.8	6
31259	Spatial dependence of the temperature profile along a carbon nanotube during thermal-field emission. Journal of Applied Physics, 2020, 128, 025107.	2.5	15
31260	Post-buckling behavior of functionally graded and carbon-nanotubes based structures with different mechanical loadings. Mechanics Based Design of Structures and Machines, 2022, 50, 2997-3039.	4.7	33
31261	Study of a New Type of Crimped-Shape Nanotubes Cut from Bilayer Graphene with the Moiré Angle $\hat{\theta} = 27.8^\circ$. JETP Letters, 2020, 111, 397-402.	1.4	0
31262	Molecular Modelling and Synthesis of Nanomaterials. Springer Series in Materials Science, 2020, , .	0.6	5
31264	Carbon nanotubes in drug delivery: Focus on anticancer therapies. Journal of Drug Delivery Science and Technology, 2020, 59, 101892.	3.0	52

#	ARTICLE	IF	CITATIONS
31265	A study on Corrosion Behavior of AA5083 “ MWCNT Reinforced Composite. Materials Today: Proceedings, 2020, 22, 2725-2731.	1.8	4
31266	Recent progress in group III-nitride nanostructures: From materials to applications. Materials Science and Engineering Reports, 2020, 142, 100578.	31.8	65
31267	Reducing Impact of CNFET Process Imperfections on Shape of Activation Function by Using Connection Pruning and Approximate Neuron Circuit. , 2020, , .		0
31268	Surface Treatment of Carbon Nanotubes Using Modified Tapioca Starch for Improved Force Detection Consistency in Smart Cementitious Materials. Sensors, 2020, 20, 3985.	3.8	4
31269	Carbon nanotube-based sensors and their application. , 2020, , 265-291.		5
31270	Synthesis of carbon nanotubes on sand grains for mortar reinforcement. Construction and Building Materials, 2020, 252, 119044.	7.2	12
31271	Structure and electronic properties of single-walled C3N nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114320.	2.7	2
31272	Electrochemical aptasensor using boron-carbon nanorods decorated by nickel nanoparticles for detection of E. coli O157:H7. Mikrochimica Acta, 2020, 187, 461.	5.0	25
31273	Use of silica particles to improve dispersion of -COOH CNTs/carbon fibers to produce HyFRCC. Construction and Building Materials, 2020, 250, 118777.	7.2	24
31274	Unique structural advances of graphdiyne for energy applications. EnergyChem, 2020, 2, 100041.	19.1	48
31275	Resistance change characteristics of spray-deposited carbon nanotube thin film with bending deformation. Japanese Journal of Applied Physics, 2020, 59, SGGH07.	1.5	3
31276	Production techniques of functional solid catalysts. , 2020, , 39-75.		0
31277	Geometrically nonlinear postbuckling behavior of imperfect FG-CNTRC shells under axial compression using isogeometric analysis. European Journal of Mechanics, A/Solids, 2020, 84, 104066.	3.7	32
31278	The non-viral vectors and main methods of loading siRNA onto the titanium implants and their application. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 2152-2168.	3.5	5
31279	Synthesis and anticancer evaluation of imidazolidine derivatives: study the reaction of imidazolidineiminothione derivatives with amino acids methyl ester. Journal of Taibah University for Science, 2020, 14, 842-848.	2.5	1
31280	Synthesis and characterization of functionalized MWCNTs/PMMA composites: device fabrication for RH sensing. Polymer-Plastics Technology and Materials, 2020, 59, 1608-1620.	1.3	5
31281	Increased Adsorption of Heavy Metal Ions in Multi-Walled Carbon Nanotubes with Improved Dispersion Stability. Molecules, 2020, 25, 3106.	3.8	36
31282	Modeling, simulations, and properties of thin films near graphene and its derivatives. , 2020, , 269-294.		0

#	ARTICLE	IF	CITATIONS
31283	Co-regulation of the transcription controlling ATF2 phosphoswitch by JNK and p38. Nature Communications, 2020, 11, 5769.	12.8	30
31284	Metric basis and metric dimension of 1-pentagonal carbon nanocone networks. Scientific Reports, 2020, 10, 19687.	3.3	11
31285	Poly(ethylene Terephthalate) Carbon-Based Nanocomposites: A Crystallization and Molecular Orientation Study. Polymers, 2020, 12, 2626.	4.5	17
31286	Carbon nanotubes synthesis using Fe-Co-Mo/MgO tri-metallic catalyst: study the effect of reaction temperature, reaction time and catalyst weight. International Journal of Nanomanufacturing, 2020, 16, 1.	0.3	1
31287	Advances in Biodegradable 3D Printed Scaffolds with Carbon-Based Nanomaterials for Bone Regeneration. Materials, 2020, 13, 5083.	2.9	18
31288	Carbon nanomaterials: synthesis, functionalization, and properties. , 2020, , 137-179.		4
31289	Quantum confinement and torsional responses of single-wall carbon nanotubes filled with hydrogen molecules. International Journal of Hydrogen Energy, 2020, 45, 33798-33806.	7.1	4
31290	Carbon nitride nanotube-based materials for energy and environmental applications: a review of recent progresses. Journal of Materials Chemistry A, 2020, 8, 25626-25648.	10.3	66
31291	Printed carbon nanotube thin-film transistors: progress on printable materials and the path to applications. Nanoscale, 2020, 12, 23371-23390.	5.6	26
31292	Effect of length and thickness variations on the vibration of SWCNTs based on FlÃ¼gge's shell model. Micro and Nano Letters, 2020, 15, 1-6.	1.3	8
31293	Enhancement of gas sensor response characteristics of functionalized SWCNTs. AIP Conference Proceedings, 2020, , .	0.4	4
31294	Study on the tensile and wear properties of laser-cladded IN718 superalloy reinforced by carbon nanoproducts transformed from carbon nanotubes. Journal of Materials Research, 2020, 35, 2643-2651.	2.6	2
31295	Carbon Nanotube Reinforced Polyâ€‹i>p</i>â€‹i>Phenylene Terephthalamide Fibers for Toughness Improvement: A Molecular Dynamics Study. Advanced Theory and Simulations, 2020, 3, 2000135.	2.8	5
31296	Investigation of antimicrobial activity and cytotoxicity of synthesized surfactant-modified carbon nanotubes/polyurethane electrospun nanofibers. Nano Structures Nano Objects, 2020, 24, 100612.	3.5	16
31297	Quantum effects on the mechanical properties of fine-scale CNTs: an approach based on DFT and molecular mechanics model. European Physical Journal Plus, 2020, 135, 1.	2.6	9
31298	Superhard three-dimensional carbon with one-dimensional conducting channels. New Journal of Chemistry, 2020, 44, 19789-19795.	2.8	14
31299	Reinforcing cement with pristine and functionalized carbon nanotubes: experimental and simulation studies. International Journal of Smart and Nano Materials, 2020, 11, 370-386.	4.2	12
31300	Electronic structure of an elbow junction in carbon nanotubes. Low Temperature Physics, 2020, 46, 944-950.	0.6	0

#	ARTICLE	IF	CITATIONS
31301	Application of chiral materials in electrochemical sensors. <i>Mikrochimica Acta</i> , 2020, 187, 676.	5.0	51
31302	Formation of MoS ₂ nanostructure arrays using anodic aluminum oxide template. <i>Micro and Nano Engineering</i> , 2020, 9, 100071.	2.9	6
31303	Combinatorics of Supergiant Fullerenes: Enumeration of Polysubstituted Isomers, Chirality, Nuclear Magnetic Resonance, Electron Spin Resonance Patterns, and Vibrational Modes from C ₇₀ to C ₁₅₀₀₀₀ . <i>Journal of Physical Chemistry A</i> , 2020, 124, 10359-10383.	2.5	7
31304	Recent Advances in Synthesis of Metal-Carbon Nanocomposites and Their Application in Catalytic Hydrogenation Reactions. <i>ACS Symposium Series</i> , 2020, , 403-458.	0.5	1
31305	The pulmonary toxicity of carboxylated or aminated multi-walled carbon nanotubes in mice is determined by the prior purification method. <i>Particle and Fibre Toxicology</i> , 2020, 17, 60.	6.2	17
31306	Study on Plastic Strengthening Mechanisms of Aluminum Matrix Nano-Composites Reinforced by Nickel Coated CNTs. <i>Composite Interfaces</i> , 2021, 28, 1015-1036.	2.3	7
31307	A comparative study of carbon nanotube characteristics synthesized from various biomass precursors through hydrothermal techniques and their potential applications. <i>Chemical Engineering Communications</i> , 2022, 209, 127-139.	2.6	3
31308	Analytical solution of nonlinear forced vibration of the SWNTs embedded in viscous elastic matrix with linear and nonlinear damping. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
31309	Thermal Investigations on Carbon Nanotubes by Spectroscopic Techniques. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8159.	2.5	4
31310	Preparation of Hybrid Polyaniline/Nanoparticle Membranes for Water Treatment Using an Inverse Emulsion Polymerization Technique under Sonication. <i>Processes</i> , 2020, 8, 1503.	2.8	7
31311	Multi-Walled Carbon Nanotubes Can Promote <i>Brassica napus</i> L. and <i>Arabidopsis thaliana</i> L. Root Hair Development through Nitric Oxide and Ethylene Pathways. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9109.	4.1	5
31312	On Three Constructions of Nanotori. <i>Mathematics</i> , 2020, 8, 2036.	2.2	3
31313	Sensing Performance and Mechanical Properties of Buckypaper Impregnated with Epoxy Resin. <i>Nanomaterials</i> , 2020, 10, 2258.	4.1	12
31314	Role of oxidative stress in nanoparticles toxicity. <i>Free Radical Research</i> , 2021, 55, 331-342.	3.3	90
31315	Intramolecular Hydrogen Bonds in Tip-Functionalized Single-Walled Carbon Nanotubes as pH-Sensitive Gates. <i>Journal of Physical Chemistry A</i> , 2020, 124, 9542-9551.	2.5	6
31316	Composite Inks for Extrusion Printing of Biological and Biomedical Constructs. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4009-4026.	5.2	30
31317	A review of nano-carbon based molecularly imprinted polymer adsorbents and their adsorption mechanism. <i>New Carbon Materials</i> , 2020, 35, 459-485.	6.1	32
31318	High-throughput calculations screening for new direct band gap superhard carbon allotropes. <i>Chinese Journal of Physics</i> , 2020, 68, 778-787.	3.9	3

#	ARTICLE	IF	CITATIONS
31320	B36 bowl-like structure as nanocarrier for sulfonamides: a theoretical study. Monatshefte für Chemie, 2020, 151, 1785-1796.	1.8	2
31321	Novel cobalt@carbon@silica adsorbent. Scientific Reports, 2020, 10, 18652.	3.3	7
31322	Unsteady CNTs kerosene nanofluid flow past a vertical plate with heat transfer under the influence of thermal radiation. AIP Conference Proceedings, 2020, , .	0.4	5
31323	Molecular dynamics simulation of carbon nanotubes and silicon nanowire composites. Modern Physics Letters B, 2020, 34, 2050355.	1.9	0
31324	Carcinogenesis as Side Effects of Iron and Oxygen Utilization: From the Unveiled Truth toward Ultimate Bioengineering. Cancers, 2020, 12, 3320.	3.7	22
31325	Mechanical, tribological and corrosion physiognomies of CNT-Al metal matrix composite (MMC) coatings deposited by cold gas dynamic spray (CGDS) process. Surface and Coatings Technology, 2020, 403, 126380.	4.8	29
31326	The Blockchain Integrated Automatic Experiment Platform (BiaeP). Journal of Physical Chemistry Letters, 2020, 11, 9995-10000.	4.6	6
31327	WS ₂ Nanotubes: Electrical Conduction and Field Emission Under Electron Irradiation and Mechanical Stress. Small, 2020, 16, e2002880.	10.0	42
31328	Ohmic Heating and Non-uniform Heat Source/Sink Roles on 3D Darcy–Forchheimer Flow of CNTs Nanofluids Over a Stretching Surface. Arabian Journal for Science and Engineering, 2020, 45, 7705-7717.	3.0	93
31329	A deep learning approach for determining the chiral indices of carbon nanotubes from high-resolution transmission electron microscopy images. Carbon, 2020, 169, 465-474.	10.3	27
31330	Anticancer DOX delivery system based on CNTs: Functionalization, targeting and novel technologies. Journal of Controlled Release, 2020, 327, 198-224.	9.9	50
31331	A rationalized and innovative perspective of nanotechnology and nanobiotechnology in chronic wound management. Journal of Drug Delivery Science and Technology, 2020, 60, 101930.	3.0	14
31332	Effects of loading rates on mode I interlaminar fracture toughness of carbon/epoxy composite toughened by carbon nanotube films. Composites Part B: Engineering, 2020, 200, 108270.	12.0	40
31333	Energy considerations regarding pulsed arc production of nanomaterials. Journal of Applied Physics, 2020, 128, 033303.	2.5	4
31334	Hierarchy Concepts in Design and Synthesis of Nanocatalysts. ChemCatChem, 2020, 12, 5303-5311.	3.7	13
31335	Analytical Investigation on CNT Based Maxwell Nano-fluid with Cattaneo–Christov Heat Flux Due to Thermal Radiation. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	7
31336	High strength and high ductility copper matrix composite reinforced by graded distribution of carbon nanotubes. Composites Part A: Applied Science and Manufacturing, 2020, 138, 106063.	7.6	16
31337	How interlayer twist angles affect thermal conduction of double-walled nanotubes: A non-equilibrium molecular dynamics study. International Journal of Heat and Mass Transfer, 2020, 160, 120234.	4.8	5

#	ARTICLE	IF	CITATIONS
31338	Balancing the strength and ductility of graphene oxide-carbon nanotube hybrid reinforced aluminum matrix composites with bimodal grain distribution. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 796, 140067.	5.6	23
31339	Structures, Electronic, and Spectral Properties of Doped Boron Clusters $MB_{12}O_n$ (M = Li, Na, and K). <i>ACS Omega</i> , 2020, 5, 20525-20534.	3.5	16
31340	TAO-DFT investigation of electronic properties of linear and cyclic carbon chains. <i>Scientific Reports</i> , 2020, 10, 13133.	3.3	26
31341	Detection of chirality of single-walled carbon nanotubes on hexagonal boron nitride. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	5
31342	Topological Peripheral Shapes and Distance-Based Characterization of Fullerenes C ₂₀ -C ₇₂₀ : Existence of Isoperipheral Fullerenes. <i>Polycyclic Aromatic Compounds</i> , 2020, , 1-19.	2.6	8
31343	DFT Study of HF and H ₂ O Adsorption on Zn and Ga-Doped Single-Walled Carbon Nanotube. <i>Russian Journal of Physical Chemistry A</i> , 2020, 94, 1636-1642.	0.6	3
31344	Nonlocal Torsional Vibration of Elliptical Nanorods with Different Boundary Conditions. <i>Vibration</i> , 2020, 3, 189-203.	1.9	19
31345	Synthesis of La ₂ O ₃ /MWCNT nanocomposite as the sensing element for electrochemical determination of theophylline. <i>Analytical Methods</i> , 2020, 12, 4319-4326.	2.7	30
31346	Metal-organic tube or layered assembly: reversible sheet-to-tube transformation and adaptive recognition. <i>Chemical Science</i> , 2020, 11, 9818-9826.	7.4	14
31347	Epoxy-based ionic liquid towards multi-walled carbon nanotubes/polybutylene terephthalate composite with excellent dispersion and conductivity behaviors. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	4
31348	Graphene-based printable conductors for cyclable strain sensors on elastomeric substrates. <i>Carbon</i> , 2020, 169, 25-31.	10.3	18
31349	Pyrene-functionalized tetraphenylethylene polybenzoxazine for dispersing single-walled carbon nanotubes and energy storage. <i>Composites Science and Technology</i> , 2020, 199, 108360.	7.8	119
31350	Energetics of Hybrid Structures between Cycloparaphenylene and Carbon Nanotubes: A Dispersion-Corrected Density Functional Theory Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 17836-17847.	3.1	7
31351	Influence of Multi-walled carbon nanotubes on mechanical properties of cement concrete. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 814, 012001.	0.6	1
31352	A three-dimensional static analysis of embedded single-walled carbon nanotubes using the perturbation method. <i>Mathematical Methods in the Applied Sciences</i> , 0, .	2.3	1
31353	Effects of Water and Different Solutes on Carbon Nanotube Low Voltage Field Effect Transistors. <i>Small</i> , 2020, 16, e2002875.	10.0	4
31354	Highly electrically conductive carbon nanostructured mats fabricated out of aligned CNTs-based flakes. <i>Diamond and Related Materials</i> , 2020, 106, 107849.	3.9	3
31355	Nanopharmaceuticals: A focus on their clinical translatability. <i>International Journal of Pharmaceutics</i> , 2020, 578, 119098.	5.2	44

#	ARTICLE	IF	CITATIONS
31356	Effect of the multiple projectile on the low-velocity impact response of CNTs reinforced beam. Multidiscipline Modeling in Materials and Structures, 2020, 17, 1-17.	1.3	3
31357	Correlation Method of Estimation of the Relief Impact Synchronicity on the CNT-needle and Probe. , 2020, , .		1
31358	Dielectric characteristics of graphene-encapsulated barium titanate polymer composites. Materials Chemistry and Physics, 2020, 255, 123533.	4.0	17
31359	Separation of chemically modified carbon nanotubes by surfactant free microbubble generation. AIP Advances, 2020, 10, 065121.	1.3	1
31360	Stretchable conductors made of single wall carbon nanotubes self-grafted on polymer films. Journal of Physics: Conference Series, 2020, 1548, 012023.	0.4	0
31361	Mode-II fracture of nanostitched para-aramid/phenolic nanoprepreg composites by end-notched flexure. Journal of Composite Materials, 2020, 54, 3537-3557.	2.4	8
31362	Special Issue "New Studies of Conjugated Compounds" Molecules, 2020, 25, 3220.	3.8	2
31363	The Indirect Tribological Role of Carbon Nanotubes Stimulating Zinc Dithiophosphate Anti-Wear Film Formation. Nanomaterials, 2020, 10, 1330.	4.1	8
31364	Separation of Semiconducting Carbon Nanotubes Using Conjugated Polymer Wrapping. Polymers, 2020, 12, 1548.	4.5	27
31365	Effect of hydroxylated carbon nanotubes on the thermal and electrical properties of derived epoxy composite materials. Results in Physics, 2020, 18, 103246.	4.1	20
31366	A novel mixing method for powder metallurgy copper-carbon nanotube composites. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 982-991.	0.9	6
31367	Consistent Computational Modeling of Mechanical Properties of Carbon and Boron Nitride Nanotubes. Jom, 2020, 72, 3968-3976.	1.9	8
31368	Two-dimensional clathrate graphene in minimum egg-tray-shape: An ab initio study. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114378.	2.7	0
31369	Synthesis of Multiwalled Carbon Nanotubes on Stainless Steel by Atmospheric Pressure Microwave Plasma Chemical Vapor Deposition. Applied Sciences (Switzerland), 2020, 10, 4468.	2.5	6
31370	Electrochemical Performance Evaluation of Galvanostatically Deposited Co(OH) ₂ on Few-Layered Graphene Electrodes. International Journal of Electrochemical Science, 2020, 15, 7459-7473.	1.3	0
31371	Determination of the Total Polyphenols Content and Antioxidant Activity of Echinacea Purpurea Extracts Using Newly Manufactured Glassy Carbon Electrodes Modified with Carbon Nanotubes. Processes, 2020, 8, 833.	2.8	29
31372	Nanoscience and Nanotechnology in Security and Protection against CBRN Threats. NATO Science for Peace and Security Series B: Physics and Biophysics, 2020, , .	0.3	2
31373	The role of magnetic nanomaterials in miniaturized sample preparation techniques. , 2020, , 77-98.		8

#	ARTICLE	IF	CITATIONS
31374	A novel two-dimensional sp-sp ² -sp ³ hybridized carbon nanostructure with a negative in-plane Poisson ratio and high electron mobility. Computational Materials Science, 2020, 185, 109904.	3.0	20
31375	Improved electrocatalytic performance for nanosensor comprising alkaline treated MWCNTs for dopamine detection. Sensors International, 2020, 1, 100024.	8.4	1
31376	Humidity Sensor Based on Two-Dimensional SnSe ₂ /MWCNT Nanohybrids for the Online Monitoring of Human Respiration and a Touchless Positioning Interface. ACS Sustainable Chemistry and Engineering, 2020, 8, 12595-12602.	6.7	31
31377	Degradation-by-design: how chemical functionalization enhances the biodegradability and safety of 2D materials. Chemical Society Reviews, 2020, 49, 6224-6247.	38.1	61
31378	Facile Synthesis of Zinc Titanate Nanotubes via Reaction-byproduct Etching. Chemistry Letters, 2020, 49, 1220-1223.	1.3	0
31379	Polyphenol oxidase-based electrochemical biosensors: A review. Analytica Chimica Acta, 2020, 1139, 198-221.	5.4	40
31380	Packing of linearly arranged benzene molecules inside single walled carbon nanotubes: The high pressure study. Chinese Journal of Physics, 2020, 67, 238-245.	3.9	0
31381	Recent developments in mid-infrared fiber lasers: Status and challenges. Optics and Laser Technology, 2020, 132, 106497.	4.6	57
31382	Study of the Characteristics of Two Immobilized Microbial Materials in Degradation and Evolution of Petroleum Hydrocarbon. ACS Omega, 2020, 5, 19402-19408.	3.5	7
31383	Optical properties of two-walled carbon nanotubes: quasi-static approximation. European Physical Journal Plus, 2020, 135, 1.	2.6	6
31384	Determination of tadalafil in pharmaceutical samples by vertically oriented multi-walled carbon nanotube electrochemical sensing device. Journal of Electroanalytical Chemistry, 2020, 877, 114501.	3.8	12
31385	Regulation of intrinsic physicochemical properties of metal oxide nanomaterials for energy conversion and environmental detection applications. Journal of Materials Chemistry A, 2020, 8, 17326-17359.	10.3	33
31386	Synthesis and characterization of multilayer graphene oxide on yttria-zirconia ceramics for dental implant. Journal of Materials Research, 2020, 35, 2466-2477.	2.6	12
31387	Cation Doping Approach for Nanotubular Hydrosilicates Curvature Control and Related Applications. Crystals, 2020, 10, 654.	2.2	16
31388	Flavin Mononucleotide-Mediated Formation of Highly Electrically Conductive Hierarchical Monoclinic Multiwalled Carbon Nanotube-Polyamide 6 Nanocomposites. ACS Nano, 2020, 14, 10655-10665.	14.6	16
31389	Effect of temperature on electrical properties of PU/Fe (30%) nanocomposite. Journal of Polymer Research, 2020, 27, 1.	2.4	4
31390	On the elastic properties of single-walled phagraphene nanotubes. Chemical Physics Letters, 2020, 756, 137830.	2.6	6
31391	Synthesis of multiwall carbon nanotubes in presence of magnetic field using underwater arc discharge system. Materials Today: Proceedings, 2020, 30, 225-228.	1.8	1

#	ARTICLE	IF	CITATIONS
31392	A review of recent work on using metal-organic frameworks to grow carbon nanotubes. Chemical Communications, 2020, 56, 10809-10823.	4.1	135
31393	Perfectly imperfect: a review of chemical tools for exciton engineering in single-walled carbon nanotubes. Materials Horizons, 2020, 7, 2860-2881.	12.2	35
31394	Emission and x-ray characteristics of vertically and random aligned carbon nanotubes. AIP Conference Proceedings, 2020, , .	0.4	0
31395	Antibacterial Activity of Graphdiyne and Graphdiyne Oxide. Small, 2020, 16, e2001440.	10.0	71
31396	Flexible terahertz imaging systems with single-walled carbon nanotube films. Carbon, 2020, 162, 13-24.	10.3	33
31397	Stitching up the Belt[n]arenes. Chem, 2020, 6, 826-829.	11.7	5
31398	Properties and potential applications of two-dimensional AlN. Vacuum, 2020, 176, 109231.	3.5	30
31399	Raman spectroscopy analysis of single wall carbon nanotubes with penta- and hexa-vacancies defects. IOP Conference Series: Materials Science and Engineering, 2020, 783, 012014.	0.6	1
31400	Designing dual-chirality and multi-Vt repeaters for performance optimization of 32 nm interconnects. Circuit World, 2020, 46, 71-83.	0.9	7
31401	Effect of Temperature on the Mechanical Properties of Carbon Composites. Journal of Engineering (United States), 2020, 2020, 1-16.	1.0	1
31402	Toward Ceramic Anticorrosion Coatings: A Review. Corrosion, 2020, 76, 895-917.	1.1	5
31403	Electricity generation by splitting of water from hydroelectric cell: An alternative to solar cell and fuel cell. International Journal of Energy Research, 2020, 44, 11111-11134.	4.5	14
31404	Electrified fractional nanofluid flow with suspended carbon nanotubes. Computers and Mathematics With Applications, 2020, 80, 1375-1386.	2.7	27
31405	A novel low cost nonenzymatic hydrogen peroxide sensor based on CoFe2O4/CNTs nanocomposite modified electrode. Journal of Electroanalytical Chemistry, 2020, 876, 114504.	3.8	17
31406	Density functional theory study on the interaction of chitosan monomer with TiO2, SiO2 and carbon nanotubes. Materials Chemistry and Physics, 2020, 255, 123576.	4.0	11
31407	DNA-Based Fabrication for Nanoelectronics. Nano Letters, 2020, 20, 5604-5615.	9.1	33
31408	Creation of negatively curved polyaromatics enabled by annulative coupling that forms an eight-membered ring. Nature Catalysis, 2020, 3, 710-718.	34.4	36
31409	Stress analyses of epoxy bonded tubular socket joints composed of fuzzy fiber reinforced composite adherends. AIP Conference Proceedings, 2020, , .	0.4	0

#	ARTICLE	IF	CITATIONS
31410	Exploration of adsorption behavior, electronic nature and NLO response of hydrogen adsorbed Alkali metals (Li, Na and K) encapsulated Al ₁₂ N ₁₂ nanocages. Journal of Theoretical and Computational Chemistry, 2020, 19, 2050031.	1.8	40
31411	Thermomechanical Fatigue of Unidirectional Carbon Fiber/Epoxy Composite in Space. Journal of Engineering (United States), 2020, 2020, 1-5.	1.0	2
31412	Combinatorics of Edge Symmetry: Chiral and Achiral Edge Colorings of Icosahedral Giant Fullerenes: C ₈₀ , C ₁₈₀ , and C ₂₄₀ . Symmetry, 2020, 12, 1308.	2.2	3
31414	Surface-modified Nanobiomaterials for Electrochemical and Biomedicine Applications. Topics in Current Chemistry Collections, 2020, , .	0.5	3
31415	Enhanced dispersion of multi walled carbon nanotubes by an extensional batch mixer in polymer/MWCNT nanocomposites. Composites Communications, 2020, 21, 100420.	6.3	16
31416	Carbon Nanotube Photoluminescence Modulation by Local Chemical and Supramolecular Chemical Functionalization. Accounts of Chemical Research, 2020, 53, 1846-1859.	15.6	63
31417	Ultrahigh-Sensitivity Molecular Sensing with Carbon Nanotube Terahertz Metamaterials. ACS Applied Materials & Interfaces, 2020, 12, 40629-40634.	8.0	55
31418	Conjugated carbon nanostructures: Emergences. International Journal of Quantum Chemistry, 2020, 120, e26367.	2.0	4
31419	Carbon Anode in Carbon History. Molecules, 2020, 25, 4996.	3.8	4
31420	Vibration characteristics of zigzag FGM single-walled carbon nanotubes based on Ritz method with ring-stiffeners. Indian Journal of Physics, 2021, 95, 2023-2034.	1.8	6
31421	A new carbon allotrope with C ₂₈ cage: T-C ₆₄ . Chinese Journal of Physics, 2020, 68, 647-653.	3.9	5
31422	Effect of the reaction temperature and ethene/hydrogen composition on the nanostructured carbon produced by CVD using supported NiFe ₂ O ₄ as a catalyst. Results in Physics, 2020, 19, 103497.	4.1	2
31423	Key Role of the Dispersion of Carbon Nanotubes (CNTs) within Epoxy Networks on their Ability to Release. Polymers, 2020, 12, 2530.	4.5	14
31424	Flexible Porous Carbon Nanotube Films Intercalated with Active and Functional Materials for Lithium-Ion Batteries. , 0, , .		0
31425	Engineering of Thermoplastic Elastomer with Graphene and Other Anisotropic Nanofillers. Engineering Materials, 2020, , .	0.6	6
31426	Compensation Temperature Behavior in a Nanotube Core-Shell Structure with RKKY Interactions: Monte Carlo Simulations. Brazilian Journal of Physics, 2020, 50, 716-724.	1.4	9
31427	Carbon nanostructures based-adsorbent obtained from iron ore tailings. Ceramics International, 2020, 46, 29271-29281.	4.8	7
31428	Superplastic deformation behavior of carbon nanotube reinforced 7055 Al alloy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 797, 140263.	5.6	11

#	ARTICLE	IF	CITATIONS
31430	Full on-line preparation of polymer composites reinforced with aligned carbon nanotubes. Composites Science and Technology, 2020, 200, 108472.	7.8	8
31431	Artificial Carbon Graphdiyne: Status and Challenges in Nonlinear Photonic and Optoelectronic Applications. ACS Applied Materials & Interfaces, 2020, 12, 49281-49296.	8.0	16
31432	Influence of dynamics viscosity on the water base CNTs nanofluid flow over a stretching surface. Cogent Engineering, 2020, 7, 1772945.	2.2	4
31433	Evaluating the effect of carbon nanotubes (CNTs) and recycled glass powder (RGP) on the rheological and mechanical properties of bitumen and hot mix asphalt (HMA). Advances in Materials and Processing Technologies, 2022, 8, 755-773.	1.4	6
31434	A Comparison of Nonlinear Bending and Vibration of Hybrid Metal/CNTRC Laminated Beams with Positive and Negative Poisson's Ratios. International Journal of Structural Stability and Dynamics, 2020, 20, 2043007.	2.4	14
31435	Prologue: Thin-Film Synthesis and Application for Medical and Biological Use. , 0, , .		0
31436	Thermal Buckling of Graphene Platelets Toughening Sandwich Functionally Graded Porous Plate with Temperature-Dependent Properties. International Journal of Applied Mechanics, 2020, 12, 2050089.	2.2	12
31437	Pharmaceuticals and personal care products in water and wastewater: a review of treatment processes and use of photocatalyst immobilized on functionalized carbon in AOP degradation. BMC Chemistry, 2020, 14, 62.	3.8	90
31438	The alkaline synthesizing method for improved thermal characteristics of CNT/alumina nanocomposite. Diamond and Related Materials, 2020, 109, 108082.	3.9	10
31439	Photoelectrochemical aptasensor with low background noise. Mikrochimica Acta, 2020, 187, 622.	5.0	3
31440	Reversible charge storage of ferrocene-adsorbed activated carbon using ionic liquid electrolytes. Chemical Physics Letters, 2020, 755, 137795.	2.6	8
31441	Buckling Analysis of a Bi-Directional Strain-Gradient Euler-Bernoulli Nano-Beams. International Journal of Structural Stability and Dynamics, 2020, 20, 2050114.	2.4	5
31442	Mechanical buckling of nanocomposites: Experimental and numerical investigations. Polymers and Polymer Composites, 2021, 29, 1313-1324.	1.9	3
31443	Li containing endohedral SWCNT: DFT study of the structural and electronic properties. Diamond and Related Materials, 2020, 110, 108108.	3.9	10
31444	Ultrathin One-Dimensional Molybdenum Telluride Quantum Wires Synthesized by Chemical Vapor Deposition. Chemistry of Materials, 2020, 32, 9650-9655.	6.7	12
31445	Optical Limiting of Carbon Nanohorn-Based Aqueous Nanofluids: A Systematic Study. Nanomaterials, 2020, 10, 2160.	4.1	7
31446	A Critical Review of Electrochemical Glucose Sensing: Evolution of Biosensor Platforms Based on Advanced Nanosystems. Sensors, 2020, 20, 6013.	3.8	110
31447	Silicon and porous MWCNT composite as high capacity anode for lithium-ion batteries. Korean Journal of Chemical Engineering, 2020, 37, 1795-1802.	2.7	28

#	ARTICLE	IF	CITATIONS
31448	Enhanced light transmission of carbon nanotube film by ultrathin oxide coatings. AIP Advances, 2020, 10, 075304.	1.3	1
31449	Emerging trends in one- and two-dimensional nanomaterials. Royal Society Open Science, 2020, 7, 201786.	2.4	1
31450	Simple and Low-Cost Technique for Carbon Nanotube Synthesis. IEEE Nanotechnology Magazine, 2020, 19, 760-763.	2.0	8
31451	Crosstalk noise analysis in ternary logic multilayer graphene nanoribbon interconnects using shielding techniques. International Journal of Circuit Theory and Applications, 2020, 48, 2041-2055.	2.0	6
31452	Experimental characterization of three-dimensional Graphene's thermoacoustic response and its theoretical modelling. Carbon, 2020, 169, 382-394.	10.3	6
31453	Singularity modal analysis of frictional interfaces in orthotropic composites. Engineering Fracture Mechanics, 2020, 237, 107227.	4.3	2
31454	Development of an accurate method for dispersion and quantification of carbon nanotubes in biological media. Analytical Methods, 2020, 12, 5642-5647.	2.7	2
31456	Revival of Zeolite-Templated Nanocarbon Materials: Recent Advances in Energy Storage and Conversion. Advanced Science, 2020, 7, 2001335.	11.2	42
31457	Recent Developments in Graphene and Graphene Oxide: Properties, Synthesis, and Modifications: A Review. ChemistrySelect, 2020, 5, 10200-10219.	1.5	126
31458	Nanoribbon Superstructures of Graphene Nanocages for Efficient Electrocatalytic Hydrogen Evolution. Nano Letters, 2020, 20, 7342-7349.	9.1	30
31459	Upscaled synthesis of carbon nanotube from palm oil mill effluent using pyrolysis for supercapacitor application. IOP Conference Series: Materials Science and Engineering, 2020, 823, 012040.	0.6	4
31460	A review on the role of nanomaterials in the removal of organic pollutants from wastewater. Reviews in Environmental Science and Biotechnology, 2020, 19, 751-778.	8.1	65
31461	The effects of multiwall carbon nanotubes on the electrical characteristics of ZnO-based composites. Journal of Theoretical and Applied Physics, 2020, 14, 329-337.	1.4	2
31462	Carbonaceous nanomaterials for phototherapy: a review. Emergent Materials, 2020, 3, 479-502.	5.7	12
31463	Thermoelectric Properties of Thin Films from Sorted Single-Walled Carbon Nanotubes. Materials, 2020, 13, 3808.	2.9	9
31464	Adsorption of acetylsalicylic acid on the aluminum nitride nanotube in both gas and solvent medium: a DFT study. Journal of Molecular Modeling, 2020, 26, 271.	1.8	2
31465	Influence of Oxygen-Containing Functional Groups on the Environmental Properties, Transformations, and Toxicity of Carbon Nanotubes. Chemical Reviews, 2020, 120, 11651-11697.	47.7	84
31466	Linear solvation energy relationship development for adsorption of synthetic organic compounds by carbon nanomaterials: an overview of the last decade. Environmental Science: Water Research and Technology, 2020, 6, 2949-2957.	2.4	4

#	ARTICLE	IF	CITATIONS
31467	Efficiency Improvement of a Capacitive Deionization (CDI) System by Modifying 3D SWCNT/RVC Electrodes Using Microwave-Irradiated Graphene Oxide (mwGO) for Effective Desalination. Journal of Nanomaterials, 2020, 2020, 1-14.	2.7	7
31469	Covalent-Organic-Framework-Based Composite Materials. Chem, 2020, 6, 3172-3202.	11.7	127
31470	A Comprehensive Review on CNTs and CNT-Reinforced Composites: Syntheses, Characteristics and Applications. Materials Today Communications, 2020, 25, 101546.	1.9	116
31471	Vibration characteristics and damping properties of functionally graded carbon nanotubes reinforced hybrid composite skewed shell structures under hygrothermal conditions. JVC/Journal of Vibration and Control, 2021, 27, 2494-2512.	2.6	4
31472	Modelling of Thin CNTs Nanoliquid Film Flow Over a Bi-directional Stretching Surface. International Journal of Applied and Computational Mathematics, 2020, 6, 1.	1.6	4
31477	Periodic Solids and Electron Bands. , 2020, , 81-108.		0
31478	Uniform Electron Gas and sp-Bonded Metals. , 2020, , 109-128.		0
31479	Density Functional Theory: Foundations. , 2020, , 129-144.		0
31480	The Kohn-Sham Auxiliary System. , 2020, , 145-170.		0
31481	Functionals for Exchange and Correlation I. , 2020, , 171-187.		0
31482	Functionals for Exchange and Correlation II. , 2020, , 188-214.		0
31483	Electronic Structure of Atoms. , 2020, , 215-229.		0
31484	Pseudopotentials. , 2020, , 230-258.		0
31486	Plane Waves and Grids: Basics. , 2020, , 262-282.		0
31487	Plane Waves and Real-Space Methods: Full Calculations. , 2020, , 283-294.		0
31488	Localized Orbitals: Tight-Binding. , 2020, , 295-319.		0
31489	Localized Orbitals: Full Calculations. , 2020, , 320-331.		0
31490	Augmented Functions: APW, KKR, MTO. , 2020, , 332-364.		0

#	ARTICLE	IF	CITATIONS
31491	Augmented Functions: Linear Methods. , 2020, , 365-385.		0
31492	Locality and Linear-Scaling O(N) Methods. , 2020, , 386-410.		0
31493	Quantum Molecular Dynamics (QMD). , 2020, , 411-426.		0
31494	Response Functions: Phonons and Magnons. , 2020, , 427-445.		0
31495	Excitation Spectra and Optical Properties. , 2020, , 446-464.		0
31496	Surfaces, Interfaces, and Lower-Dimensional Systems. , 2020, , 465-480.		0
31497	Wannier Functions. , 2020, , 481-498.		0
31498	Polarization, Localization, and Berry Phases. , 2020, , 499-516.		0
31499	Topology of the Electronic Structure of a Crystal: Introduction. , 2020, , 517-530.		0
31500	Two-Band Models: Berry Phase, Winding, and Topology. , 2020, , 531-546.		0
31501	Topological Insulators I: Two Dimensions. , 2020, , 547-568.		0
31502	Topological Insulators II: Three Dimensions. , 2020, , 569-580.		0
31521	Comparing Multi-Walled Carbon Nanotubes and Halloysite Nanotubes as Reinforcements in EVA Nanocomposites. Materials, 2020, 13, 3809.	2.9	14
31522	Investigation of Early Stage of Carbon Nanotube Growth on Plasma-Pretreated Inconel Plates and Comparison with Other Superalloys as Substrates. Nanomaterials, 2020, 10, 1595.	4.1	2
31523	Organically Templated Layered Uranyl Molybdate [C ₃ H ₉ NH ⁺] ₄ [(UO ₂) ₃ (MoO ₄) ₅] Structurally Based on Mineral-Related Modular Units. Minerals (Basel, Switzerland), 2020, 10, 659.	2.0	3
31524	Topological Symmetry Transition between Toroidal and Klein Bottle Graphenic Systems. Symmetry, 2020, 12, 1233.	2.2	9
31525	3D Graphene Materials: From Understanding to Design and Synthesis Control. Chemical Reviews, 2020, 120, 10336-10453.	47.7	319
31526	Biomass-derived nitrogen and sulfur co-doped carbon microtubes for the oxygen reduction reaction. Materials Chemistry Frontiers, 2020, 4, 3251-3257.	5.9	18

#	ARTICLE	IF	CITATIONS
31527	Detail review on chemical, physical and green synthesis, classification, characterizations and applications of nanoparticles. <i>Green Chemistry Letters and Reviews</i> , 2020, 13, 223-245.	4.7	361
31528	A Comprehensive Review on Optical Properties of Polymer Electrolytes and Composites. <i>Materials</i> , 2020, 13, 3675.	2.9	85
31529	Vibration analysis of multi-scale hybrid nanocomposite shells by considering nanofillers TM aggregation. <i>Waves in Random and Complex Media</i> , 2020, , 1-19.	2.7	12
31530	On the solution of large amplitude vibration of carbon nanotube based double curved shallow shells. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	13
31531	Role of defects in the sensing mechanism of CNTFET gas sensors. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	11
31532	Quantification of the Effects of Strain Rate and Nano-Reinforcement on the Performance of Adhesively Bonded Single-Lap Joints. <i>Reviews of Adhesion and Adhesives</i> , 2020, 8, S1-S19.	3.4	1
31533	Effect of Geometrical Parameters and Hexa-Vacancy Defects on Vibration Characteristics of Bridged Carbon Nanotube. <i>Journal of Failure Analysis and Prevention</i> , 2020, 20, 1875-1883.	0.9	0
31534	Dynamics and Mechanism of Carbon Filament Formation during Methane Reforming on Supported Nickel Clusters. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20143-20160.	3.1	8
31535	Analytical investigation on free torsional vibrations of noncircular nanorods. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	12
31536	Geometric analysis of shape transition for two-layer carbon-silicon nanotubes. <i>Scientific Reports</i> , 2020, 10, 14994.	3.3	0
31537	Synthesis and applications of amino-functionalized carbon nanomaterials. <i>Chemical Communications</i> , 2020, 56, 12698-12716.	4.1	36
31538	Utilization of Carbon Nanotubes in Manufacturing of 3D Cartilage and Bone Scaffolds. <i>Materials</i> , 2020, 13, 4039.	2.9	26
31539	Investigating the Rheological Properties of Carbon Nanotubes/Polymer Composites Modified Asphalt. <i>Materials</i> , 2020, 13, 4077.	2.9	14
31540	Free vibration and buckling analyses of CNT reinforced laminated non-rectangular plates by discrete singular convolution method. <i>Engineering With Computers</i> , 2022, 38, 489-521.	6.1	134
31541	Freely Suspended Semiflexible Chains in a Strong Aligning Field: Simple Closed-Form Solutions for the Small-Angle Approximation. <i>Macromolecular Theory and Simulations</i> , 2020, 29, 2000049.	1.4	1
31542	Study of torsional strain effect on dynamic behavior of carbon nanotube thermal actuator. <i>Journal of Molecular Modeling</i> , 2020, 26, 247.	1.8	0
31543	A paper-making transformation: from cellulose-based superwetting paper to biomimetic multifunctional inorganic paper. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20238-20259.	10.3	20
31544	Quantitative measurement of nanoparticle release from rubber composites during fabrication and testing. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	4

#	ARTICLE	IF	CITATIONS
31545	Effect of vacancy defects on transport properties of \pm -armchair graphyne nanoribbons. European Physical Journal B, 2020, 93, 1.	1.5	4
31546	Experimental and Numerical Study on Free Vibration of Multiwall Carbon Nanotube Reinforced Composite Plates. International Journal of Structural Stability and Dynamics, 2020, 20, 2050129.	2.4	13
31547	Isogeometric analysis of functionally graded CNT-reinforced composite plates based on refined plate theory. Journal of Mechanical Science and Technology, 2020, 34, 3687-3700.	1.5	7
31548	Bending and buckling behaviors of heterogeneous temperature-dependent micro annular/circular porous sandwich plates integrated by FGPEM nano-Composite layers. Journal of Sandwich Structures and Materials, 2021, 23, 3836-3877.	3.5	46
31550	Catalytic action of carbon nanotubes on ammonium perchlorate thermal behavior. Reaction Kinetics, Mechanisms and Catalysis, 2020, 131, 353-366.	1.7	15
31551	Electron-beam irradiation of photopolymerized C60 film studied using <i>in situ</i> scanning tunneling microscope, <i>in situ</i> Fourier-transform infrared spectroscopy, and first-principles calculations. AIP Advances, 2020, 10, .	1.3	3
31552	Controlling Defect-State Photophysics in Covalently Functionalized Single-Walled Carbon Nanotubes. Accounts of Chemical Research, 2020, 53, 1791-1801.	15.6	52
31553	The stability of composite conical shells covered by carbon nanotube-reinforced coatings under external pressures. Acta Mechanica, 2020, 231, 4547-4562.	2.1	7
31554	Carbon Nanomaterials: A New Sustainable Solution to Reduce the Emerging Environmental Pollution of Turbomachinery Noise and Vibration. Frontiers in Chemistry, 2020, 8, 683.	3.6	13
31555	CO ₂ Hydrogenation to Methanol and Methane over Carbon-Supported Catalysts. Industrial & Engineering Chemistry Research, 2020, 59, 15393-15423.	3.7	22
31556	Atomic Details of Carbon-Based Nanomolecules Interacting with Proteins. Molecules, 2020, 25, 3555.	3.8	13
31557	Redox Properties of the Membrane Proteins from the Respiratory Chain. Chemical Reviews, 2020, 120, 10244-10297.	47.7	33
31558	Flexural behavior of nanoclay filled glass fiber/epoxy polymer nanocomposites. AIP Conference Proceedings, 2020, , .	0.4	0
31560	A molecular dynamics investigation for predicting the effect of various parameters on the mechanical properties of carbon nanotube-reinforced aluminum nanocomposites. Journal of Molecular Modeling, 2020, 26, 238.	1.8	5
31561	Removal of heavy metals and radionuclides from water using nanomaterials: current scenario and future prospects. Environmental Science and Pollution Research, 2020, 27, 41199-41224.	5.3	12
31562	Carbon Nanotube-Based Stretchable Hybrid Material Film for Electronic Devices and Applications. Journal of Nanoscience and Nanotechnology, 2020, 20, 4549-4556.	0.9	2
31563	Machine Learning-Assisted High-Throughput Molecular Dynamics Simulation of High-Mechanical Performance Carbon Nanotube Structure. Nanomaterials, 2020, 10, 2459.	4.1	12
31564	Stability analysis of conveying-nanofluid CNT under magnetic field based on nonlocal couple stress theory and fluid-structure interaction. Mechanics Based Design of Structures and Machines, 2023, 51, 583-600.	4.7	5

#	ARTICLE	IF	CITATIONS
31565	Thermoelectric properties of oil fly ash-derived carbon nanotubes coated with polypyrrole. Journal of Applied Physics, 2020, 128, 235104.	2.5	7
31566	Formation of core-shell structure from carbon nanotube and gold nanowire: a molecular dynamic simulation. Journal of Dispersion Science and Technology, 2020, , 1-7.	2.4	0
31567	Body centered cubic carbon BC14: An all- sp^2 bonded full-fledged pentadiamond. Physical Review B, 2020, 102, .	3.2	21
31568	The effect of Cu content in MWCNTs synthesized by Ni - Cu @ a-C:H catalyst on the optical constants and the optical loss. Optik, 2020, 223, 165585.	2.9	8
31569	Spermatotoxic Effects of Single-Walled and Multi-Walled Carbon Nanotubes on Male Mice. Frontiers in Veterinary Science, 2020, 7, 591558.	2.2	24
31570	Enhanced Fatigue and Durability Properties of Natural Rubber Composites Reinforced with Carbon Nanotubes and Graphene Oxide. Materials, 2020, 13, 5746.	2.9	13
31571	Dual Effect of Nanomaterials on Germination and Seedling Growth: Stimulation vs. Phytotoxicity. Plants, 2020, 9, 1745.	3.5	68
31572	First-principles investigation on the bonding mechanisms of two-dimensional carbon materials on the transition metals surfaces. RSC Advances, 2020, 10, 43412-43419.	3.6	5
31573	Current State of Porous Carbon for Wastewater Treatment. Processes, 2020, 8, 1651.	2.8	36
31574	Review on Carbon Nanotube Varieties for Healthcare Application: Effect of Preparation Methods and Mechanism Insight. Processes, 2020, 8, 1654.	2.8	14
31575	Disordering of carbon nanotubes by ion bombardment. Journal of Physics: Conference Series, 2020, 1611, 012010.	0.4	2
31576	Frequency response calculations of carbon nanotube based nanothermophones. Journal of Physics: Conference Series, 2020, 1633, 012008.	0.4	0
31577	Sn filament formation under arc discharge sputtering of SnO ₂ /C electrode. Journal of Physics: Conference Series, 2020, 1677, 012159.	0.4	0
31578	The vertically aligned carbon nanotubes arrays as biointerface for the E. Coli strain M-17. IOP Conference Series: Earth and Environmental Science, 2020, 604, 012039.	0.3	0
31579	Wall thickness effects on the infrared spectra of multi-walled carbon nanotubes. IOP Conference Series: Materials Science and Engineering, 2020, 783, 012017.	0.6	0
31580	Technologies of microsystem technique and nanosensorics. IOP Conference Series: Materials Science and Engineering, 2020, 984, 012011.	0.6	0
31582	Micromechanical technique based prediction of effective properties for hybrid smart nanocomposites. Mechanics of Advanced Materials and Structures, 2020, , 1-12.	2.6	3
31583	Wave propagation analysis of thermoelastic functionally graded nanotube conveying nanoflow. JVC/Journal of Vibration and Control, 2022, 28, 339-350.	2.6	2

#	ARTICLE	IF	CITATIONS
31584	Enhancing Electrical Conductivity of Composites of Single-Walled Carbon Nanotubes and Ethyl Cellulose with Water Vapor. <i>Materials</i> , 2020, 13, 5764.	2.9	0
31585	Boron Nitride Nanotubes Versus Carbon Nanotubes: A Thermal Stability and Oxidation Behavior Study. <i>Nanomaterials</i> , 2020, 10, 2435.	4.1	22
31586	Carbon Nanomaterials for Electro-Active Structures: A Review. <i>Polymers</i> , 2020, 12, 2946.	4.5	17
31587	Using a Novel Approach to Estimate Packing Density and Related Electrical Resistance in Multiwall Carbon Nanotube Networks. <i>Nanomaterials</i> , 2020, 10, 2350.	4.1	4
31588	Stacking and curvature-dependent behaviors of electronic transport and molecular adsorptions of graphene: A comparative study of bilayer graphene and carbon nanotube. <i>Applied Surface Science Advances</i> , 2020, 1, 100028.	6.8	5
31589	Malposed spoof surface plasmon structure with enhanced microwave absorption and compressive performances realized by carbon-based foams. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 262, 114787.	3.5	2
31590	Size-dependent mechanics of viscoelastic carbon nanotubes: Modeling, theoretical and numerical analysis. <i>Results in Physics</i> , 2020, 19, 103383.	4.1	7
31591	Morphological and Electrical Properties of Multi-Walled Carbon Nanotube-based Fiber Using General Wet-spinning and Alkaline Post-treatment Methods. <i>Fibers and Polymers</i> , 2020, 21, 2456-2461.	2.1	1
31592	Free-standing hybrid films comprising of ultra-dispersed titania nanocrystals and hierarchical conductive network for excellent high rate performance of lithium storage. <i>Nano Research</i> , 2021, 14, 2301-2308.	10.4	10
31593	Axial strain effect on translational motion property of carbon nanotube thermal actuator. <i>Molecular Simulation</i> , 2020, 46, 1426-1431.	2.0	2
31594	Impact of CNTs' treatment, length and weight fraction on ordinary concrete mechanical properties. <i>Construction and Building Materials</i> , 2020, 264, 120698.	7.2	15
31595	Capsule-based healing systems in composite materials: a review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2021, 46, 491-531.	12.3	12
31596	Systematic theoretical study of carbon nanotubes rolled from a two-dimensional tetrahex-carbon nanosheet. <i>Physical Review B</i> , 2020, 102, .	3.2	6
31597	Auxetics among Materials with Cubic Anisotropy. <i>Mechanics of Solids</i> , 2020, 55, 461-474.	0.7	34
31598	Investigation of hydrogen storage on Sc/Ti-decorated novel B24N24. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 33740-33750.	7.1	9
31599	Carbon nanotubes: functionalisation and their application in chemical sensors. <i>RSC Advances</i> , 2020, 10, 43704-43732.	3.6	249
31600	Thermal conductivity of three-dimensional metallic carbon nanostructures (T6) with boron and nitrogen dopant. <i>European Physical Journal D</i> , 2020, 74, 1.	1.3	1
31601	Comprehensive study of monatomic fluid flow through elliptical carbon nanotubes. <i>Physics of Fluids</i> , 2020, 32, .	4.0	4

#	ARTICLE	IF	CITATIONS
31602	Carbon nanotubes as anisotropic target for dark matter. Journal of Physics: Conference Series, 2020, 1468, 012232.	0.4	9
31603	Application of carbon nanotubes and graphene to develop the heavy metal electrochemical sensor. IOP Conference Series: Earth and Environmental Science, 2020, 479, 012036.	0.3	2
31604	Elimination of polarization effect in DC measurement of resistivity of CNT-cement composites. IOP Conference Series: Materials Science and Engineering, 2020, 869, 052060.	0.6	5
31605	The role of surface chemistry of modified MWCNT on the development and characteristics of Pt supported catalysts. Nano Structures Nano Objects, 2020, 24, 100566.	3.5	7
31606	Tackling the Problem of Sensing Commonly Abused Drugs Through Nanomaterials and (Bio)Recognition Approaches. Frontiers in Chemistry, 2020, 8, 561638.	3.6	18
31607	Carbon Nanotube Sheet-Synthesis and Applications. Nanomaterials, 2020, 10, 2023.	4.1	23
31608	Advances in Metal Phthalocyanine based Carbon Composites for Electrocatalytic CO ₂ Reduction. ChemCatChem, 2020, 12, 6103-6130.	3.7	38
31609	Electrical doping in single walled carbon nanotube systems: A new technique. Computational Condensed Matter, 2020, 25, e00507.	2.1	0
31610	Application of Hydrophobic Magnetic Nanoparticles as Cleanup Adsorbents for Pesticide Residue Analysis in Fruit, Vegetable, and Various Soil Samples. Journal of Agricultural and Food Chemistry, 2020, 68, 13550-13561.	5.2	16
31611	CdS/CdSe core/shell nanowire as cold anti-reflectors and high voltage nanodevices: A first principles study. AIP Conference Proceedings, 2020, , .	0.4	0
31612	Nitrofluorene derivatives trapped within MWCNTs for electrocatalysis of NADH: Substituent effects on π - π stacking interaction strength. Electrochemistry Communications, 2020, 121, 106852.	4.7	6
31613	DFT investigations on photoelectric properties of graphene modified by metal atoms. Ferroelectrics, 2020, 568, 143-154.	0.6	4
31614	Behavior Evaluation of Bituminous Mixtures Reinforced with Nano-Sized Additives: A Review. Sustainability, 2020, 12, 8044.	3.2	10
31615	Effect of adsorption sensitivity of armchair single-walled BN nanotube toward thiocyanate anion: A systematic evaluation of length and diameter effects. Surfaces and Interfaces, 2020, 21, 100693.	3.0	0
31616	Nanocarbon-Based Catalytic Ozonation for Aqueous Oxidation: Engineering Defects for Active Sites and Tunable Reaction Pathways. ACS Catalysis, 2020, 10, 13383-13414.	11.2	141
31617	2 <i>N</i> -rule: Searching topological phases and robust edge modes in carbon nanotubes. Applied Physics Letters, 2020, 117, .	3.3	3
31618	Magnetically separable and recyclable bamboo-like carbon nanotube-based FRET assay for sensitive and selective detection of Hg ²⁺ . Analytical and Bioanalytical Chemistry, 2020, 412, 3779-3786.	3.7	10
31619	Analysis and active control of geometrically nonlinear responses of smart FG porous plates with graphene nanoplatelets reinforcement based on B&Ozler extraction of NURBS. International Journal of Mechanical Sciences, 2020, 180, 105692.	6.7	44

#	ARTICLE	IF	CITATIONS
31620	Study on the Effect of Doping on Lattice Constant and Electronic Structure of Bulk AuCu by the Density Functional Theory. Journal of Multiscale Modeling, 2020, 11, 2030001.	1.1	21
31621	Effect of carbon nanotube on space charge suppression in PP/EPDM/CNT nanocomposites. Journal of Polymer Research, 2020, 27, 1.	2.4	13
31622	Hosoya and Harary polynomials of T U C 4 nanotube. Mathematical Methods in the Applied Sciences, 2020,, .	2.3	2
31623	Improving comprehensive performance of copper matrix composite by spray pyrolysis fabricated CNT/W reinforcement. Journal of Alloys and Compounds, 2020, 833, 154940.	5.5	20
31624	Facile template free approach for the large-scale solid phase synthesis of nanocrystalline XIn2S4 (X =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 9634-9646.	2.8	4
31625	Simulations of Benzene and Hydrogen-Sulfide Gas Detector Based on Single-Walled Carbon Nanotube over Intrinsic 4H-SiC Substrate. Micromachines, 2020, 11, 453.	2.9	5
31626	Influence of interlayer stacking arrangements on carrier accumulation in bilayer graphene field effect transistors. Applied Physics Express, 2020, 13, 065006.	2.4	6
31627	Ab Initio and Theoretical Study on Electron Transport through Polyene Junctions in between Carbon Nanotube Leads of Various Cuts. Scientific Reports, 2020, 10, 8033.	3.3	1
31628	The Effects of Next-to-Nearest Neighbor Hopping Amplitude on Electrical Properties of Graphene Like Nanotube Structure. ECS Journal of Solid State Science and Technology, 2020, 9, 051002.	1.8	3
31629	The study of thiazole adsorption upon BC2N nanotube: DFT/TD-DFT investigation. Structural Chemistry, 2020, 31, 1959-1967.	2.0	7
31630	Tuning the Properties of Graphdiyne by Introducing Electronâ€Withdrawing/Donating Groups. Angewandte Chemie - International Edition, 2020, 59, 13542-13546.	13.8	59
31631	Pyramid-Shaped Single-Crystalline Nanostructure of Molybdenum with Excellent Mechanical, Electrical, and Optical Properties. ACS Applied Materials & Interfaces, 2020, 12, 24218-24230.	8.0	12
31632	New carbon allotropes derived from nanotubes via a three-fold distortion mechanism. Physical Chemistry Chemical Physics, 2020, 22, 12489-12495.	2.8	2
31633	Nonlinear Vibration of Temperature-Dependent FG-CNTRC Laminated Beams with Negative Poissonâ€™s Ratio. International Journal of Structural Stability and Dynamics, 2020, 20, 2050043.	2.4	34
31634	Combined effects of surface energy and couple stress on the nonlinear bending of FG-CNTR nanobeams. International Journal of Modern Physics B, 2020, 34, 2050103.	2.0	6
31635	Transition Detection Methods in a Pitch-sweep Test by means of TSP using Lifetime and Intensity Measurements. , 2020,, .		5
31636	Construction of Hydrocarbon Nanobelts. Angewandte Chemie, 2020, 132, 7774-7779.	2.0	22
31637	Tuning the Properties of Graphdiyne by Introducing Electronâ€Withdrawing/Donating Groups. Angewandte Chemie, 2020, 132, 13644-13648.	2.0	21

#	ARTICLE	IF	CITATIONS
31638	Exciting Journey from the 0D to the 2D Nanoworld. Nano Letters, 2020, 20, 4061-4063.	9.1	4
31639	Anodic arc discharge: Why pulsed?. Physics of Plasmas, 2020, 27, 054501.	1.9	3
31640	Nonresonant Polarized Raman Spectra Calculations of Nitrogen-Doped Single-Walled Carbon Nanotubes: Diameter, Chirality, and Doping Concentration Effects. Scientific World Journal, The, 2020, 2020, 1-10.	2.1	1
31641	Which is better? Experimental and simulation analyses of the chemical modification of carbon nanotubes to improve their dispersion in water. Journal of Dispersion Science and Technology, 2021, 42, 1338-1349.	2.4	7
31642	Comparison of Shear Rigidity of Epoxy and Vinyl Ester Reinforced Hybrid Honeycomb Core. Materials Today: Proceedings, 2020, 22, 2378-2385.	1.8	3
31643	Nanohybrid material based on carbazole-thiophene-functionalized MWCNT and grafted poly(3-hexylthiophene): Preparation, characterization and spectroelectrochemistry. Synthetic Metals, 2020, 266, 116418.	3.9	1
31644	Stereochemistry of Simple Molecules inside Nanotubes and Fullerenes: Unusual Behavior of Usual Systems. Molecules, 2020, 25, 2437.	3.8	15
31645	Investigation of Cycloparaphenylenes (CPPs) and their Noncovalent Ring-Ring and Fullerene-Ring Complexes by (Matrix-Assisted) Laser Desorption/Ionization and Density Functional Theory. Chemistry - A European Journal, 2020, 26, 8729-8741.	3.3	23
31646	Two-step synthesis of Ag-decorated MoO ₃ nanotubes, and the effect of hydrogen doping. Applied Surface Science, 2020, 527, 146675.	6.1	21
31647	Combination of enhanced thermal conductivity and strength of MWCNTs reinforced Mg-6Zn matrix composite. Journal of Alloys and Compounds, 2020, 838, 155573.	5.5	29
31648	Freezing Point Elevation of an Aqueous Solution in 3 nm Diameter Carbon Nanotubes. Journal of Physical Chemistry C, 2020, 124, 14213-14219.	3.1	2
31649	Fabrication of CNTs-Ag-TiO ₂ ternary structure for enhancing visible light photocatalytic degradation of organic dye pollutant. Materials Chemistry and Physics, 2020, 248, 122873.	4.0	42
31650	Structural and optical studies of multi-walled carbon nanotubes. Materials Today: Proceedings, 2020, 29, 872-875.	1.8	0
31651	Investigating the interactions of corona-free SWCNTs and cell membrane models using sum-frequency generation. Soft Matter, 2020, 16, 5711-5717.	2.7	2
31652	Fabrication Techniques for Carbon Nanotubes Based ECG Electrodes: A Review. IETE Journal of Research, 0, , 1-20.	2.6	7
31653	Theoretical investigation of structural and electronic properties of C_{20}Li nanowire. European Physical Journal Plus, 2020, 135, 1.	2.6	0
31654	Polyvinyl butyral-based composites with carbon nanotubes: Efficient dispersion as a key to high mechanical properties. Polymer Composites, 2020, 41, 3627-3637.	4.6	12
31655	Water-based polyurethane composite anticorrosive barrier coating via enhanced dispersion of functionalized graphene oxide in the presence of acidified multi-walled carbon nanotubes. Progress in Organic Coatings, 2020, 146, 105734.	3.9	22

#	ARTICLE	IF	CITATIONS
31656	Efficient growth and characterization of one-dimensional transition metal tellurides inside carbon nanotubes. <i>Nanoscale</i> , 2020, 12, 17185-17190.	5.6	20
31657	Synthesis of cycloptycenes from carbon nanobelts. <i>Chemical Science</i> , 2020, 11, 6775-6779.	7.4	20
31658	Therapeutic Nanoparticles and Their Targeted Delivery Applications. <i>Molecules</i> , 2020, 25, 2193.	3.8	413
31659	Magnetohydrodynamics free convection flow of Carbon nanotubes viscous nanofluids over an infinite plate with Newtonian heating and fractional derivative. <i>Mathematical Methods in the Applied Sciences</i> , 2020, , .	2.3	2
31660	Preparation of SnS ₂ /MWCNTs chemically modified electrode and its electrochemical detection of H ₂ O ₂ . <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4403-4412.	3.7	10
31661	Formation of Poly(vinyl alcohol)/SWNTs Fibers with Hierarchical Structure under High-Speed Shear Flow. <i>Fibers and Polymers</i> , 2020, 21, 1078-1085.	2.1	0
31662	Single- and double-walled boron nitride nanotubes: Controlled synthesis and application for water purification. <i>Scientific Reports</i> , 2020, 10, 7416.	3.3	25
31663	In situ scanning electron microscopy observations of filler material transport in branched carbon microtubes by Joule heating. <i>Microscopy (Oxford, England)</i> , 2020, 69, 291-297.	1.5	2
31664	MHD Slip Flow of CNT-Ethylene Glycol Nanofluid due to a Stretchable Rotating Disk with Cattaneo-Christov Heat Flux Model. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-13.	1.1	41
31665	Carbon Formation at High Temperatures (550-1400 °C): Kinetics, Alternative Mechanisms and Growth Modes. <i>Catalysts</i> , 2020, 10, 465.	3.5	7
31666	Enhanced Tensile Properties of Multi-Walled Carbon Nanotubes Filled Polyamide 6 Composites Based on Interface Modification and Reactive Extrusion. <i>Polymers</i> , 2020, 12, 997.	4.5	5
31667	An sp-hybridized all-carboatomic ring, cyclo[18]carbon: Bonding character, electron delocalization, and aromaticity. <i>Carbon</i> , 2020, 165, 468-475.	10.3	188
31668	An sp-hybridized all-carboatomic ring, cyclo[18]carbon: Electronic structure, electronic spectrum, and optical nonlinearity. <i>Carbon</i> , 2020, 165, 461-467.	10.3	747
31669	Monte Carlo simulations of hydrogen adsorption in fullerene pillared graphene nanocomposites. <i>Molecular Simulation</i> , 2020, 46, 650-659.	2.0	22
31670	Micromechanical modeling and characterization of elastic behavior of carbon nanotube-reinforced polymer nanocomposites: A combined numerical approach and experimental verification. <i>Polymer Composites</i> , 2020, 41, 3322-3339.	4.6	22
31671	Wave propagation in functionally graded porous plates reinforced with graphene platelets. <i>Aerospace Science and Technology</i> , 2020, 102, 105860.	4.8	125
31672	Electrospun carbon/iron nanofibers: The catalytic effects of iron and application in Cr(VI) removal. <i>Carbon</i> , 2020, 166, 227-244.	10.3	19
31673	Effect of purification methods on the cross-sectional field emission properties of carbon nanotube and graphene composite films. <i>Diamond and Related Materials</i> , 2020, 106, 107848.	3.9	5

#	ARTICLE	IF	CITATIONS
31674	Synthesis of carbon nanotubes grafted with copolymer of acrylic acid and acrylamide for phenol removal. Environmental Nanotechnology, Monitoring and Management, 2020, 14, 100302.	2.9	21
31675	Exploring carbonaceous nanomaterials for arsenic and chromium removal from wastewater. Journal of Water Process Engineering, 2020, 36, 101276.	5.6	52
31676	Quality and Quantity of Carbon Nanotube Arrays Grown in Different Pressures and Temperatures Across Absorption-, Surface-, and Diffusion-Controlled Regimes. Industrial & Engineering Chemistry Research, 2020, 59, 10923-10930.	3.7	2
31677	New methodologies and equipment used in new-generation separation and preconcentration methods. , 2020, , 149-206.		1
31678	Carbon nanotube field effect transistorsâ€‘based gas sensors. , 2020, , 171-183.		12
31679	A comprehensive study on the mechanical properties and failure mechanisms of graphyne nanotubes (GNTs) in different phases. Computational Materials Science, 2020, 182, 109794.	3.0	23
31680	A comparison of nonlinear vibration and bending of hybrid CNTRC/metal laminated plates with positive and negative Poisson's ratios. International Journal of Mechanical Sciences, 2020, 183, 105790.	6.7	33
31681	Free vibration analysis of the MWCNT reinforced hybrid laminated composite sandwich beam. Materials Today: Proceedings, 2020, 22, 3220-3225.	1.8	6
31682	Experimental Study on Thermal Conductivity and Magnetization Behaviors of Kerosene-Based Ferrofluid Loaded with Multiwalled Carbon Nanotubes. ACS Omega, 2020, 5, 13052-13063.	3.5	10
31683	Recent advances in solid-contact ion-selective electrodes: functional materials, transduction mechanisms, and development trends. Chemical Society Reviews, 2020, 49, 4405-4465.	38.1	257
31684	Influence of Milling Time on Productivity of Boron Nitride Nanotubes Synthesized from B ₂ O ₃ by Ball Milling and Annealing Method. IOP Conference Series: Earth and Environmental Science, 2020, 453, 012091.	0.3	1
31685	Buckling Failure Analysis of Defective Carbon Nanotubes Using Molecular Dynamics Simulation. Journal of Failure Analysis and Prevention, 2020, 20, 868-881.	0.9	9
31686	A new large-cell superhard carbon allotrope: orthorhombic oC240. Molecular Physics, 2020, 118, e1767815.	1.7	2
31688	Investigation on microscale hygrothermal behavior of carbon nanotubeâ€‘reinforced polymer composite. Polymer Composites, 2020, 41, 3421-3433.	4.6	6
31690	Direct growth of carbon nanotubes on basalt fiber for the application of electromagnetic interference shielding. Carbon, 2020, 167, 31-39.	10.3	44
31691	Smart carbon nanotubes for drug delivery system: A comprehensive study. Journal of Drug Delivery Science and Technology, 2020, 58, 101811.	3.0	61
31692	Synthesis and Characterization of Carbon Nanomaterial Derived from Anthracite. Materials Today: Proceedings, 2020, 24, 2352-2357.	1.8	1
31693	Hole Transfer in Cumulenyl and Polyynyl Carbynes. Journal of Physical Chemistry C, 2020, 124, 12834-12849.	3.1	4

#	ARTICLE	IF	CITATIONS
31694	Reversible Light-Responsive Solventless-Liquid Switch: Polarization-Induced Dynamic Surface Orderingâ€”Disordering in Liquid-Like Carbon Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4726-4733.	4.6	2
31695	An electrochemical sensing platform to determine tetrahydrozoline HCl in pure form, pharmaceutical formulation, and rabbit aqueous humor. <i>Analytical Methods</i> , 2020, 12, 2903-2913.	2.7	13
31696	Application of Carbon Based Material for the Electrochemical Detection of Heavy Metal Ions in Water Environment. <i>International Journal of Electrochemical Science</i> , 2020, 15, 4252-4263.	1.3	12
31697	Clearance of single-wall carbon nanotubes from the mouse lung: a quantitative evaluation. <i>Nanoscale Advances</i> , 2020, 2, 1551-1559.	4.6	7
31698	Tubular assemblies of N-doped carbon nanotubes loaded with NiFe alloy nanoparticles as efficient bifunctional catalysts for rechargeable zinc-air batteries. <i>Nanoscale</i> , 2020, 12, 13129-13136.	5.6	110
31699	Effect of temperature on vibration of cracked single-walled carbon nanotubes embedded in an elastic medium under different boundary conditions. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 1614-1639.	4.7	6
31700	Effect of â€œwater-in-saltâ€™ electrolytes in the electrochemical hydrogen evolution reaction of carbon nanotubes. <i>JPhys Energy</i> , 2020, 2, 034001.	5.3	5
31701	Investigating the elastic behavior of carbon nanocone reinforced nanocomposites. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 2908-2922.	2.1	6
31703	Nano/micro-structures and mechanical properties of ultra-high performance concrete incorporating graphene with different lateral sizes. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 137, 106011.	7.6	51
31704	Effect of hybrid multi-walled carbon nanotube and montmorillonite nanoclay content on mechanical properties of shape memory epoxy nanocomposite. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6085-6100.	5.8	27
31705	Sensitive electrochemical sensor using polypyrrole-coated Fe ₃ O ₄ core-shell nanoparticles/multiwall carbon nanotubes modified graphite electrode for atorvastatin analysis. <i>Microchemical Journal</i> , 2020, 158, 105159.	4.5	29
31706	Isogeometric Analysis of Functionally-Graded Graphene Platelets Reinforced Porous Nanocomposite Plates Using a Refined Plate Theory. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2050076.	2.4	19
31707	Novel method for carbon nanotube growth using vapor-phase catalyst delivery. <i>Functional Materials Letters</i> , 2020, 13, 2050026.	1.2	0
31708	Dynamic Covalent Formation of Concave Disulfide Macrocycles Mechanically Interlocked with Singleâ€”Walled Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18774-18785.	13.8	35
31709	Indirect RKKY interaction in doped armchair nanotube due to electron phonon interaction effects. <i>Chinese Journal of Physics</i> , 2020, 66, 488-496.	3.9	0
31710	A comparative study on the AC/DC conductivity, dielectric and optical properties of polystyrene/graphene nanoplatelets (PS/GNP) and multi-walled carbon nanotube (PS/MWCNT) nanocomposites. <i>Polymer Testing</i> , 2020, 90, 106682.	4.8	46
31711	Materials Electrochemistsâ€™ Never-Ending Quest for Efficient Electrocatalysts: The Devil Is in the Impurities. <i>ACS Catalysis</i> , 2020, 10, 7087-7092.	11.2	41
31712	Viscosity sensitive near-infrared fluorescent probes based on functionalized single-walled carbon nanotubes. <i>Chemical Communications</i> , 2020, 56, 8301-8304.	4.1	11

#	ARTICLE	IF	CITATIONS
31713	Synthetic Strategies of Carbon Nanobelts and Related Belt-Shaped Polycyclic Aromatic Hydrocarbons. Chemistry - A European Journal, 2020, 26, 14791-14801.	3.3	72
31714	Highly sensitive and selective determination of p-nitrophenol at an interpenetrating networks structure of self-assembled rod-like lanthanum hydroxide-oxidized multi-walled carbon nanotubes nanocomposite. Ecotoxicology and Environmental Safety, 2020, 201, 110862.	6.0	5
31715	Unusual Redox Behavior of Ruthenocene Confined in the Micropores of Activated Carbon. Journal of Physical Chemistry C, 2020, 124, 15205-15215.	3.1	11
31716	Depletion Effect-mediated Association of Carbon Nanotube-Polymer Composites and Their Application as Inexpensive Electrode Support Materials. Nano Letters, 2020, 20, 5353-5358.	9.1	3
31717	An explicit formula for the harmonic indices and harmonic polynomials of carbon nanocones CN _{Ck} [n]. Journal of Information and Optimization Sciences, 2020, 41, 879-890.	0.3	15
31718	Manufacturing of Super Growth Carbon Nanotubes and its Aqueous Solution for Electronic Devices. , 2020, , .		0
31719	One-step Synthesis of Carbon Nanotubes Network with Rich Oxygenated Functional Groups via Microwave Plasma in Atmospheric Pressure. MRS Advances, 2020, 5, 2679-2684.	0.9	0
31720	A nonlocal continuum mechanics-based asymptotic theory for the buckling analysis of SWCNTs embedded in an elastic medium subjected to combined hydrostatic pressure and axial compression. Mechanics of Materials, 2020, 148, 103514.	3.2	4
31721	Forced Axial Vibration of a Single-Walled Carbon Nanotube Embedded in Elastic Medium under Various Moving Forces. Journal of Nano Research, 0, 63, 112-133.	0.8	12
31722	Risk Assessment and Health, Safety, and Environmental Management of Carbon Nanomaterials. , 0, , .		5
31723	Radially aligned CNTs derived carbon hollow cylinder architecture for efficient energy storage. Electrochimica Acta, 2020, 354, 136650.	5.2	8
31724	Disposable biogenic amine biosensors for histamine determination in fish. Analytical Methods, 2020, 12, 3802-3812.	2.7	15
31725	Current-voltage monitoring of plasma arc discharge submerged in water for nanoparticles fabrication. AIP Conference Proceedings, 2020, , .	0.4	5
31726	Stagnation Flow of a SWCNT Nanofluid towards a Plane Surface with Heterogeneous-Homogeneous Reactions. Mathematical Problems in Engineering, 2020, 2020, 1-12.	1.1	5
31727	Functionalization of Single and Multi-Walled Carbon Nanotubes with Polypropylene Glycol Decorated Pyrrole for the Development of Doxorubicin Nano-Conveyors for Cancer Drug Delivery. Nanomaterials, 2020, 10, 1073.	4.1	26
31728	Carbon nanotube dielectrophoresis: Theory and applications. Electrophoresis, 2020, 41, 1893-1914.	2.4	16
31729	Investigation of different base fluids suspend by CNTs hybrid nanoparticle over a vertical circular cylinder with sinusoidal radius. Case Studies in Thermal Engineering, 2020, 21, 100666.	5.7	94
31730	Electricity generation by sliding an ionic solution droplet on a self-assembled reduced graphene oxide film. Journal of Materials Chemistry A, 2020, 8, 12735-12743.	10.3	14

#	ARTICLE	IF	CITATIONS
31731	Charcoal derived graphene quantum dots for flexible supercapacitor oriented applications. New Journal of Chemistry, 2020, 44, 11085-11091.	2.8	22
31732	Cobalt-carbon/silica nanocomposites prepared by pyrolysis of a cobalt 2,2'-bipyridine terephthalate complex for remediation of cationic dyes. RSC Advances, 2020, 10, 17660-17672.	3.6	18
31733	The role of single- and multi-walled carbon nanotube in breast cancer treatment. Therapeutic Delivery, 2020, 11, 653-672.	2.2	18
31734	Enhancing the Mechanical Performance of Glass Fiber-Reinforced Polymer Composites using Multi-Walled Carbon Nanotubes. Advanced Engineering Materials, 2020, 22, 2000318.	3.5	12
31735	Equilibrium and Transport Distributions of a DNA Dodecamer in Hydrophilic Nanopores. Materials Today: Proceedings, 2020, 20, 249-264.	1.8	0
31736	Free flexural vibrations of nanobeams with non-classical boundary conditions using stress-driven nonlocal model. Mechanics Research Communications, 2020, 107, 103536.	1.8	27
31737	The effects of morphology and temperature on the tensile characteristics of carbon nitride nanothreads. Nanoscale, 2020, 12, 12462-12475.	5.6	8
31738	Vibrational Properties of Single Wall Carbon Nanotubes inside Boron nitride Nanotubes using Raman spectroscopy. , 2020, , .		0
31739	The Molecular and Macromolecular Level of Carbon Nanotube Modification Via Diazonium Chemistry: Emphasis on the 2010s Years. Chemistry Africa, 2020, 3, 535-569.	2.4	30
31740	Adsorption study of bovine serum albumin onto multiwalled carbon nanotubes. Materials Today: Proceedings, 2020, 33, 1814-1818.	1.8	0
31741	Acrylic-Based Hydrogels as Advanced Biomaterials. , 2020, , .		1
31742	A 2D-Raman correlation spectroscopy study of the interaction of the polymer nanocomposites with carbon nanotubes and human osteoblast-like cells interface. Journal of Molecular Structure, 2020, 1212, 128135.	3.6	8
31743	Molecular Interpretation of Pharmaceuticals™ Adsorption on Carbon Nanomaterials: Theory Meets Experiments. Processes, 2020, 8, 642.	2.8	29
31744	Mechanische Verzahnung von einwandigen Kohlenstoffnanoröhren durch dynamisch-kovalente Bildung von konkaven Disulfidmakrozyklen. Angewandte Chemie, 2020, 132, 18933-18945.	2.0	8
31745	Carbon nanotube film based multifunctional composite materials: an overview. Functional Composites and Structures, 2020, 2, 022002.	3.4	30
31746	Thermal Stability of Carbinofullerenes C38, C62, and C64. Physics of the Solid State, 2020, 62, 1109-1115.	0.6	2
31747	Nanoparticles induced embryo-fetal toxicity. Toxicology and Industrial Health, 2020, 36, 181-213.	1.4	15
31748	Bottom-up synthesis of highly soluble carbon materials. Journal of Materials Science, 2020, 55, 11808-11828.	3.7	19

#	ARTICLE	IF	CITATIONS
31749	Preparation of pitch-based carbon microbeads by a simultaneous spheroidization and stabilization process for lithium-ion batteries. Chemical Engineering Journal, 2020, 400, 125948.	12.7	49
31750	One-step sorting of single-walled carbon nanotubes using aqueous two-phase extraction in the presence of basic salts. Scientific Reports, 2020, 10, 9250.	3.3	17
31751	Carbon Nanomaterials Applied for the Treatment of Inflammatory Diseases: Preclinical Evidence. Advanced Therapeutics, 2020, 3, 2000051.	3.2	17
31752	Carbon Nanohybrids for Advanced Electronic Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000199.	1.8	9
31753	Heat transfer in turbulent nanofluids: Separation flow studies and development of novel correlations. Advanced Powder Technology, 2020, 31, 3120-3133.	4.1	6
31754	Epoxy-Based Hybrid Structural Composites with Nanofillers: A Review. Industrial & Engineering Chemistry Research, 2020, 59, 12617-12631.	3.7	40
31755	Biomimetic Nanomembranes: An Overview. Biomimetics, 2020, 5, 24.	3.3	29
31756	Three-Dimensional (3D) Conductive Network of CNT-Modified Short Jute Fiber-Reinforced Natural Rubber: Hierarchical CNT-Enabled Thermoelectric and Electrically Conductive Composite Interfaces. Materials, 2020, 13, 2668.	2.9	13
31757	Emerging Artificial Intelligence Devices and The Underlying Technology. , 2020, , .		0
31758	Fabrication of magnetic cobalt ferrite nanocomposites: an advanced method of removal of toxic dichromate ions from electroplating wastewater. Korean Journal of Chemical Engineering, 2020, 37, 1157-1165.	2.7	10
31759	Laser-ablated core-shell nanostructures of MWCNT@Ta2O5 as plasmonic framework for implementation of highly sensitive refractive index sensor. Sensors and Actuators A: Physical, 2020, 309, 112028.	4.1	10
31760	Applications of carbon nanomaterials in chiral separation. TrAC - Trends in Analytical Chemistry, 2020, 129, 115941.	11.4	37
31761	Molecular Nanocarbon Science: Present and Future. Nano Letters, 2020, 20, 4718-4720.	9.1	32
31762	Quantendefekte als Werkzeugkasten für die kovalente Funktionalisierung von Kohlenstoffnanoröhren mit Peptiden und Proteinen. Angewandte Chemie, 2020, 132, 17885-17891.	2.0	6
31763	Quantum Defects as a Toolbox for the Covalent Functionalization of Carbon Nanotubes with Peptides and Proteins. Angewandte Chemie - International Edition, 2020, 59, 17732-17738.	13.8	54
31764	Dispersive solid phase extraction of precious metal ions from electronic wastes using magnetic multiwalled carbon nanotubes composite. Minerals Engineering, 2020, 154, 106414.	4.3	21
31765	Symmetry-guaranteed ideal Weyl semimetallic phase in face-centered orthogonal C6. Physical Review B, 2020, 101, .	3.2	7
31766	Nanotechnology and nanomedicine. , 2020, , 9-21.		1

#	ARTICLE	IF	CITATIONS
31767	Ball milling as a superior nanotechnological fabricationâ€™s tool. , 2020, , 93-127.		1
31768	Low-dimensional carbon-based nanomaterials for energy conversion and storage applications. , 2020, , 15-68.		2
31769	Thermal Transport in Nonlinear Unsteady Colloidal Model by Considering the Carbon Nanomaterials Length and Radius. Energies, 2020, 13, 2448.	3.1	3
31771	Functional Nanomaterials. Materials Horizons, 2020, , .	0.6	16
31772	Carbon nanotubes-polymer nanocomposite membranes for pervaporation. , 2020, , 105-133.		12
31773	Fullerene and nanodiamond-based polymer nanocomposite membranes and their pervaporation performances. , 2020, , 153-173.		0
31774	Present status of biomass-derived carbon-based composites for supercapacitor application. , 2020, , 373-415.		10
31775	Nanoparticle-based lateral flow assays. Comprehensive Analytical Chemistry, 2020, 89, 313-359.	1.3	5
31776	Enhancement of electrical conductivity of carbon nanotube sheets through copper addition using reduction expansion synthesis. Materials Research Bulletin, 2020, 131, 110969.	5.2	44
31777	An active carbon-nanotube polarizer-embedded electrode and liquid-crystal alignment. Nanoscale, 2020, 12, 17698-17702.	5.6	9
31778	Emulsion polymer derived nanocomposite: a review on design and tailored attributes. Polymer-Plastics Technology and Materials, 2020, 59, 1737-1750.	1.3	4
31779	Engineering Nanomaterials and Nanostructures for Electronic Applications: A Case Study of Carbon Nanotubes for Memory Devices. , 2020, , .		3
31780	Investigating the synergistic effect of CNT+ÂMLG hybrid structure on copper matrix and electrical contact properties of the composite. European Physical Journal Plus, 2020, 135, 1.	2.6	8
31781	Silsesquioxane-Polythiophene Hybrid Copolymer as an Efficient Modifier for Single-Walled Carbon Nanotubes. International Journal of Polymer Science, 2020, 2020, 1-10.	2.7	0
31782	Authentication Protocols in Internet of Vehicles: Taxonomy, Analysis, and Challenges. IEEE Access, 2020, 8, 54314-54344.	4.2	73
31783	Thermal transport of carbon nanomaterials. Journal of Physics Condensed Matter, 2020, 32, 153002.	1.8	94
31784	Output-Constrained Robust Sliding Mode Based Nonlinear Active Suspension Control. IEEE Transactions on Industrial Electronics, 2020, 67, 10652-10662.	7.9	42
31785	Determination of Metals in Grape Marc Spirits by Magnetic Solid-Phase Extraction Combined With Capillary Electrophoresis. Comparison of Multi-Walled Carbon Nanotubes and Silica Nanoparticles. Journal of Analytical Chemistry, 2020, 75, 34-43.	0.9	3

#	ARTICLE	IF	CITATIONS
31786	Dry Reforming of Methane over a Ruthenium/Carbon Nanotube Catalyst. ChemEngineering, 2020, 4, 16.	2.4	6
31787	Nanomaterials: An Overview of Nanorods Synthesis and Optimization. , 0, , .		18
31788	A powder metallurgy route to fabricate CNT-reinforced molybdenum-hafnium-carbon composites. Materials and Design, 2020, 191, 108635.	7.0	16
31789	Polymer nanocomposites: Why their mechanical performance does not justify the expectation and a possible solution to the problem?. EXPRESS Polymer Letters, 2020, 14, 436-466.	2.1	20
31790	Roles of Oxygen Functional Groups in Carbon Nanotubesâ€”Supported Ag Catalysts for Electrochemical Conversion of CO ₂ to CO. ChemElectroChem, 2020, 7, 1869-1876.	3.4	12
31791	Selected nanotechnologies and nanostructures for drug delivery, nanomedicine and cure. Bioprocess and Biosystems Engineering, 2020, 43, 1339-1357.	3.4	42
31792	Hemocompatibility of Carbon Nanostructures. Journal of Carbon Research, 2020, 6, 12.	2.7	19
31793	Carbon-based nanocomposites for EMI shielding: Recent advances. , 2020, , 201-211.		7
31795	Hp-C17: A novel carbon allotrope with an all-sp ³ network. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126379.	2.1	4
31796	A novel computational approach to functionally graded porous plates with graphene platelets reinforcement. Thin-Walled Structures, 2020, 150, 106684.	5.3	72
31798	Nanomaterials in Biofuels Research. Clean Energy Production Technologies, 2020, , .	0.5	9
31799	A study of the effect of carbon nanotube/nanoclay binary nanoparticle reinforcement on glass fibre/epoxy composites. Materials Today: Proceedings, 2020, 26, 2026-2031.	1.8	6
31800	Carbon nanotube - A review on Synthesis, Properties and plethora of applications in the field of biomedical science. Sensors International, 2020, 1, 100003.	8.4	294
31801	Suitability of graphene monolayer as sensor for carcinogenic heavy metals in water: A DFT investigation. Applied Surface Science, 2020, 517, 146021.	6.1	38
31802	Transient responses of two mutually interacting single-walled boron nitride nanotubes induced by a moving nanoparticle. European Journal of Mechanics, A/Solids, 2020, 82, 103978.	3.7	20
31803	Nanotechnology for Energy and Environmental Engineering. Green Energy and Technology, 2020, , .	0.6	10
31804	Novel trends for synthesis of carbon nanostructures from agricultural wastes. , 2020, , 59-74.		8
31805	Specific Response of the Atomic and Electronic Structure of Ta ₂ Pd ₃ Se ₈ and Ta ₂ Pt ₃ Se ₈ Nanoribbons to the Uniaxial Strain. Journal of Physical Chemistry C, 2020, 124, 7539-7543.	3.1	17

#	ARTICLE	IF	CITATIONS
31806	Monte Carlo simulations of adsorption and separation of binary mixtures of CO ₂ , SO ₂ , and H ₂ S by charged single-walled carbon nanotubes. <i>Soft Materials</i> , 2020, 18, 262-273.	1.7	3
31807	Fabrication of titanium oxide nanotubes by varying the anodization time. <i>Materials Today: Proceedings</i> , 2020, 33, 2711-2715.	1.8	2
31809	Construction of Hydrocarbon Nanobelts. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7700-7705.	13.8	45
31810	Al/CNT nanocomposite fabrication on the different property of raw material using a planetary ball mill. <i>Advanced Powder Technology</i> , 2020, 31, 1957-1962.	4.1	19
31811	Numerical investigation and experimental verification of thermal frequency of carbon nanotube-reinforced sandwich structure. <i>Engineering Structures</i> , 2020, 211, 110444.	5.3	41
31812	CO ₂ capture adsorbents functionalized by amine bearing polymers: A review. <i>International Journal of Greenhouse Gas Control</i> , 2020, 96, 103005.	4.6	176
31813	State-of-the-art heat transfer fluids for parabolic trough collector. <i>International Journal of Heat and Mass Transfer</i> , 2020, 152, 119541.	4.8	124
31814	Polymer grafted carbon nanotubes—Synthesis, properties, and applications: A review. <i>Nano Structures Nano Objects</i> , 2020, 22, 100429.	3.5	125
31815	Scalable and Precise Synthesis of Armchair-Edge Graphene Nanoribbon in Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2020, 142, 5509-5514.	13.7	37
31816	Computer-aided detection and morphological characterization of nanotube layers using scanning electron microscopy images. <i>Journal of Applied Physics</i> , 2020, 127, 105102.	2.5	1
31817	Polymer matrix composite with natural and synthetic fibres. <i>Advances in Materials and Processing Technologies</i> , 2020, 6, 547-564.	1.4	29
31818	A Decomposition-Based Local Search for Large-Scale Many-Objective Vehicle Routing Problems With Simultaneous Delivery and Pickup and Time Windows. <i>IEEE Systems Journal</i> , 2020, 14, 5253-5264.	4.6	9
31819	Mechanical, electronic and thermodynamic properties of TE-C36 under high pressure. <i>Molecular Physics</i> , 2020, 118, e1739769.	1.7	0
31820	Functionalisation of multi-walled carbon nanotubes by esterification method for poly(ethylene)glycol attachment and their characterization. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020, 11, 015018.	1.5	3
31821	Applications of carbon nanotubes for controlling waterborne pathogens. , 2020, , 433-461.		9
31822	Influence of superalkali oxides on structural, electrical and optical properties of C ₂₄ fullerene nanocluster: A theoretical study. <i>Chinese Journal of Physics</i> , 2020, 65, 567-578.	3.9	15
31823	Functionalization of Gold Nanoparticles by Inorganic Entities. <i>Nanomaterials</i> , 2020, 10, 548.	4.1	31
31824	Comparative Electroanalytical Studies of Graphite Flake and Multilayer Graphene Paste Electrodes. <i>Sensors</i> , 2020, 20, 1684.	3.8	14

#	ARTICLE	IF	CITATIONS
31825	Synthesis of diameter controlled multiwall carbon nanotubes by microwave plasma-CVD on low-temperature and chemically processed Fe nanoparticle catalysts. <i>Applied Surface Science</i> , 2020, 515, 146043.	6.1	31
31826	Mechanical properties of CNT-reinforced Ni3Al composites: the role of chirality, temperature, and volume fraction. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 205301.	1.8	5
31827	Modeling of Catalytic Centers Formation Processes during Annealing of Multilayer Nanosized Metal Films for Carbon Nanotubes Growth. <i>Nanomaterials</i> , 2020, 10, 554.	4.1	9
31828	Nano-carbons in biosensor applications: an overview of carbon nanotubes (CNTs) and fullerenes (C60). <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	48
31829	Fiber-shaped Supercapacitors: Advanced Strategies toward High-performances and Multi-functions. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2020, 38, 403-422.	3.8	13
31830	Growth and Mechanics of Heterogeneous, 3D Carbon Nanotube Forest Microstructures Formed by Sequential Selective-Area Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17893-17900.	8.0	14
31831	Radiative MHD Nanofluid Flow over a Moving Thin Needle with Entropy Generation in a Porous Medium with Dust Particles and Hall Current. <i>Entropy</i> , 2020, 22, 354.	2.2	34
31832	Production and Applications of Carbon Nanotube Buckypapers. <i>Journal of Aerospace Technology and Management</i> , 2020, , 45-49.	0.3	1
31834	Size-dependent phononic thermal transport in low-dimensional nanomaterials. <i>Physics Reports</i> , 2020, 860, 1-26.	25.6	209
31835	Adsorption of Phosgene Gas on Pristine and Copper-Decorated B ₁₂ N ₁₂ Nanocages: A Comparative DFT Study. <i>ACS Omega</i> , 2020, 5, 7641-7650.	3.5	114
31836	Magnetic carbon nanotube as a highly stable and retrievable support for the heterogenization of sulfonic acid and its application in the synthesis of 2- <i>H</i> -1,2,3,4-tetrazole-5-yl acrylonitrile derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 2455-2465.	2.6	10
31837	Nanoparticulate formulations of radiopharmaceuticals: Strategy to improve targeting and biodistribution properties. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2020, 63, 333-355.	1.0	19
31838	Thermo-mechanical vibration of FG curved nanobeam containing porosities and reinforced by graphene platelets. <i>Microsystem Technologies</i> , 2020, 26, 2535-2551.	2.0	12
31839	Unprecedentedly high selective adsorption of Xe/Kr mixtures in carbon nanotubes: A molecular simulation study. <i>Chemical Engineering Journal</i> , 2020, 393, 124744.	12.7	6
31840	MHD flow past a nonlinear stretching/shrinking sheet in carbon nanotubes: Stability analysis. <i>Chinese Journal of Physics</i> , 2020, 65, 436-446.	3.9	40
31841	A one adsorbent QuEChERS method coupled with LC-MS/MS for simultaneous determination of 10 organophosphorus pesticide residues in tea. <i>Food Chemistry</i> , 2020, 321, 126657.	8.2	57
31842	Effect of interphase between CNT and polyimide on the elastic and piezoelectric properties of hHybrid smart nano-composites. <i>Materials Today: Proceedings</i> , 2020, 21, 1144-1148.	1.8	2
31843	On the viscoelastic carbon nanotube mass nanosensor using torsional forced vibration and Eringen's nonlocal model. <i>Mechanics Based Design of Structures and Machines</i> , 2022, 50, 1030-1053.	4.7	12

#	ARTICLE	IF	CITATION
31844	Free and forced axial vibration of single walled carbon nanotube under linear and harmonic concentrated forces based on nonlocal theory. International Journal of Modern Physics B, 2020, 34, 2050067.	2.0	6
31845	Effect of External Moving Torque on Dynamic Stability of Carbon Nanotube. Journal of Nano Research, 0, 61, 118-135.	0.8	8
31846	Nanotubes from Two-Dimensional Materials in Contemporary Energy Research: Historical and Perspective Outlook. ACS Energy Letters, 2020, 5, 1498-1511.	17.4	10
31847	Mass density effect on vibration of zigzag and chiral SWCNTs: A theoretical study. Journal of Sandwich Structures and Materials, 2021, 23, 2245-2273.	3.5	5
31848	Stability analysis of $C_u C_6$. Heliyon, 2020, 6, e03510.	3.2	18
31849	Arc discharge technique to fabricate nanocarbon gas sensing platform. Superlattices and Microstructures, 2020, 141, 106479.	3.1	0
31850	Effect of CNT reinforcements on the flutter boundaries of cantilever trapezoidal plates under yawed supersonic fluid flow. Mechanics Based Design of Structures and Machines, 2022, 50, 630-650.	4.7	16
31851	On carbon nanotubes in the interstellar medium. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3054-3059.	4.4	6
31852	Micro-Mechanism Research into Molecular Chains Orientation Synergistically Induced by Carbon Nanotube and Shear Flow in Injection Molding. Applied Sciences (Switzerland), 2020, 10, 723.	2.5	1
31853	Computational Atomistic Modeling in Carbon Flatland and Other 2D Nanomaterials. Applied Sciences (Switzerland), 2020, 10, 1724.	2.5	2
31854	Novel Characterizations of Mechanical Properties for a Copper/Single-Walled Carbon Nanotube Nanocomposite Synthesized by Laser Surface Implanting. Journal of Carbon Research, 2020, 6, 10.	2.7	3
31855	Modification Effects of Carbon Nanotube Dispersion on the Mechanical Properties, Pore Structure, and Microstructure of Cement Mortar. Materials, 2020, 13, 1101.	2.9	21
31856	Field Emission Cathodes to Form an Electron Beam Prepared from Carbon Nanotube Suspensions. Micromachines, 2020, 11, 260.	2.9	12
31857	Buckling Behavior of FG-CNT Reinforced Composite Conical Shells Subjected to a Combined Loading. Nanomaterials, 2020, 10, 419.	4.1	52
31858	Special Issue "Advanced Nanomaterials Based Gas Sensors". Sensors, 2020, 20, 1373.	3.8	2
31859	Numerical Study of Long Channel Carbon Nanotube Based Transistors by Considering Variation in CNT Diameter. Journal of Nano Research, 2020, 61, 78-87.	0.8	3
31860	Study on the flame retardancy of high impact polystyrene composites filled with organic-modified carbon nanotubes. Plastics, Rubber and Composites, 2020, 49, 187-195.	2.0	4
31861	Effect of alkali metals and superalkali species on electronic properties of graphdiyne with open hexagonal edges. Molecular Physics, 2020, 118, .	1.7	1

#	ARTICLE	IF	CITATIONS
31862	Fabrication and Characterization of MWCNTs by Syngas and Temperature Conditions. Bulletin of the Korean Chemical Society, 2020, 41, 279-283.	1.9	0
31863	Graphdiyne-Polymer Nanocomposite as a Broadband and Robust Saturable Absorber for Ultrafast Photonics. Laser and Photonics Reviews, 2020, 14, 1900367.	8.7	99
31864	Recent advances in carbon nanotube sponge-based sorption technologies for mitigation of marine oil spills. Journal of Colloid and Interface Science, 2020, 570, 411-422.	9.4	69
31865	Biosensors-Recent Advances and Future Challenges in Electrode Materials. Sensors, 2020, 20, 3561.	3.8	55
31866	Effect of annealing temperature on electrical and thermal property of cold-rolled multi-walled carbon nanotubes reinforced copper composites. Diamond and Related Materials, 2020, 108, 107980.	3.9	7
31867	Quantifying the interfacial load transfer in electrospun carbon nanotube polymer nanocomposite microfibers by using <i>in situ</i> Raman micromechanical characterization techniques. Journal Physics D: Applied Physics, 2020, 53, 365302.	2.8	6
31868	Acrylic-Based Materials for Biomedical and Bioengineering Applications. , 2020, , .		0
31869	Review on recent progress in chitosan/chitin-carbonaceous material composites for the adsorption of water pollutants. Carbohydrate Polymers, 2020, 247, 116690.	10.2	147
31870	Dependence of MWCNT production via co-pyrolysis of industrial slop oil and ferrocene on growth temperature and heating rate. Journal of Analytical and Applied Pyrolysis, 2020, 150, 104878.	5.5	3
31871	A first-principles prediction of an sp ³ carbon allotrope comprising four-, five-, six-, and eight-member rings. Journal of Applied Physics, 2020, 127, 245112.	2.5	2
31872	Statistical mechanics of DNA-nanotube adsorption. Physical Review E, 2020, 101, 062422.	2.1	4
31873	Pentadiamond: A Hard Carbon Allotrope of a Pentagonal Network of sp ² and sp ³ C Atoms. Physical Review Letters, 2020, 125, 016001.	7.8	25
31874	The Influence of CNT Structural Parameters on the Properties of CNT and CNT-Reinforced Epoxy. International Journal of Aerospace Engineering, 2020, 2020, 1-14.	0.9	13
31875	Strain and Temperature Sensitivities Along with Mechanical Properties of CNT Buckypaper Sensors. Sensors, 2020, 20, 3067.	3.8	8
31876	Engineering defect concentrations of multiwalled carbon nanotubes by microwave irradiation for tunable electromagnetic absorption properties. Journal of Materials Science, 2020, 55, 13871-13880.	3.7	14
31877	Preparation of TiO ₂ /CNTs nanocomposite and its catalytic performance on the thermal decomposition of ammonium perchlorate. Transition Metal Chemistry, 2020, 45, 545-551.	1.4	10
31878	Developed carbon nanotubes/gutta percha nanocomposite films with high stretchability and photo-thermal conversion efficiency. Journal of Materials Research and Technology, 2020, 9, 8884-8895.	5.8	15
31879	Production of hydrogen and multi-walled carbon nanotubes by ethanol decomposition over Fe/CeO ₂ catalysts. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-13.	2.3	0

#	ARTICLE	IF	CITATIONS
31880	Atomic structures and scanning tunnelling microscopy of nitrogen-doped carbon nanotubes. IOP Conference Series: Materials Science and Engineering, 2020, 744, 012032.	0.6	0
31881	Stimulation and reinforcement of shape-memory polymers and their composites: A review. Journal of Thermoplastic Composite Materials, 2022, 35, 2227-2260.	4.2	17
31882	Hybrid Materials Based on Carbon Nanotubes and Nanofibers for Environmental Applications. Frontiers in Chemistry, 2020, 8, 546.	3.6	32
31883	Tuning the Solubility Parameters of Carbon Nanotubes by Means of Their Adducts with Janus Pyrrole Compounds. Nanomaterials, 2020, 10, 1176.	4.1	15
31884	Advances of Electrode Materials. , 2020, , 389-389.		1
31885	Nanomaterials for the efficient abatement of wastewater contaminants by means of reverse osmosis and nanofiltration. , 2020, , 111-144.		9
31886	Electronic, mechanical and vibrational properties of a tubular tetragonal carbon. Chemical Physics Letters, 2020, 751, 137565.	2.6	0
31887	Bio-waste chitosan-derived N-doped CNT-supported Ni nanoparticles for selective hydrogenation of nitroarenes. Dalton Transactions, 2020, 49, 10431-10440.	3.3	40
31888	Nanosensors and nanobiosensors: Agricultural and food technology aspects. , 2020, , 135-161.		12
31889	Electronic band structure phase diagram of 3D carbon allotropes from machine learning. Diamond and Related Materials, 2020, 108, 107990.	3.9	7
31890	Individual arc-discharge synthesized multiwalled carbon nanotubes probed with multiple measurement techniques. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, .	1.2	3
31891	Thermal stabilization of metal matrix nanocomposites by nanocarbon reinforcements. Scripta Materialia, 2020, 186, 202-207.	5.2	7
31892	Tracking nanoparticle growth in pulsed carbon arc discharge. Journal of Applied Physics, 2020, 127, 243301.	2.5	5
31893	Effect of high pressure on the thermoelectrical properties of single-walled and double-walled carbon nanotubes. Journal of Physics: Conference Series, 2020, 1556, 012051.	0.4	0
31894	Fabrication of Carbon Paste Electrodes Modified with Multi-walled Carbon Nanotubes for the Potentiometric Determination of Chromium(III). Journal of Analytical Chemistry, 2020, 75, 951-957.	0.9	6
31895	Polymethyl Methacrylate-Based Bone Cements Containing Carbon Nanotubes and Graphene Oxide: An Overview of Physical, Mechanical, and Biological Properties. Polymers, 2020, 12, 1469.	4.5	52
31896	Investigation on electronic and mechanical properties of penta-graphene nanotubes. Journal of Materials Science, 2020, 55, 14336-14344.	3.7	8
31897	Thermal vibration of functionally graded porous nanocomposite beams reinforced by graphene platelets. Applied Mathematics and Mechanics (English Edition), 2020, 41, 1209-1226.	3.6	32

#	ARTICLE	IF	CITATIONS
31898	Reprocessing of High-Density Polyethylene Reinforced with Carbon Nanotubes. Journal of Polymers and the Environment, 2020, 28, 1967-1973.	5.0	12
31899	Evaluation of the activated carbon coated with multiwalled carbon nanotubes in removal of ciprofloxacin from aqueous solutions. Applied Water Science, 2020, 10, 1.	5.6	25
31900	A facile synthesis of implantation of silver nanoparticles on oxygen-functionalized multi-walled carbon nanotubes: structural and antibacterial activity. SN Applied Sciences, 2020, 2, 1.	2.9	7
31901	Growth of centimeter scale carbon wires using in-liquid AC arc discharge. SN Applied Sciences, 2020, 2, 1.	2.9	1
31902	Novel local/nonlocal formulation of the stress-driven model through closed form solution for higher vibrations modes. Composite Structures, 2020, 252, 112688.	5.8	25
31903	A review of flexible force sensors for human health monitoring. Journal of Advanced Research, 2020, 26, 53-68.	9.5	99
31904	Silicon Nitride-Based Composites with the Addition of CNTs—A Review of Recent Progress, Challenges, and Future Prospects. Materials, 2020, 13, 2799.	2.9	6
31905	Crystallization in Confinement. Advanced Materials, 2020, 32, e2001068.	21.0	158
31906	Synthesis of carbon nanotubes by the catalytic flame deposition of coal. AIP Conference Proceedings, 2020, , .	0.4	0
31907	Study on morphology, mechanical, thermal and viscoelastic properties of PA6/TPU/CNT nanocomposites. Plastics, Rubber and Composites, 2020, 49, 400-413.	2.0	8
31908	Experimental and multiscale quantum mechanics modeling of the mechanical properties of PVC/graphene nanocomposite. Journal of Composite Materials, 2020, 54, 4575-4590.	2.4	9
31909	Raman Spectroscopy and Imaging of Carbon Allotropes. , 0, , .		1
31910	DNA markers and nano-biosensing approaches for tuberculosis diagnosis. , 2020, , 207-230.		5
31911	Preparation and characterization of a quaternary acceptor-donor-acceptor-donor (A-D-A-D) nanohybrid material for electrochromic device application. Electrochimica Acta, 2020, 350, 136212.	5.2	5
31912	Enhancing tribological performance of β -titanium alloy using electrical discharge process. Surface Innovations, 2020, 8, 115-126.	2.3	3
31913	Reaction between Energy Particle Ion Beam with Carbon Nanotube. , 2020, , .		0
31914	Recent Progress in Flexible and Stretchable Organic Solar Cells. Advanced Functional Materials, 2020, 30, 2002529.	14.9	123
31915	Highly improved $\langle \text{PP} \rangle / \langle \text{CNTs} \rangle$ sheet prepared by tailoring crystallization morphology through solid-phase die drawing and multilayer hot compression. Polymer Crystallization, 2020, 3, e10137.	0.8	1

#	ARTICLE	IF	CITATIONS
31916	An overview of nanoscale materials on the removal of wastewater contaminants. Applied Water Science, 2020, 10, 1.	5.6	29
31917	Analytical and stability analysis of MHD flow past a nonlinearly deforming vertical surface in Carbon Nanotubes. AEJ - Alexandria Engineering Journal, 2020, 59, 497-507.	6.4	60
31918	Plasma polishing of multi-walled carbon nanotubes towards single-walled limit. Materials Chemistry and Physics, 2020, 253, 123424.	4.0	3
31919	Carbon Nanotubes Derived from Industrial Resin for the Oxidative Dehydrogenation of Ethylbenzene. ChemistrySelect, 2020, 5, 6674-6677.	1.5	3
31920	Chemical Bonding of Fe ₃ O ₄ Nanoparticles on the Surface of Poly(acryloyl chloride) Functionalized Multiwalled Carbon Nanotubes. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 1001-1010.	1.5	7
31921	Nanomaterials properties. , 2020, , 343-359.		44
31922	Nanomaterials applications. , 2020, , 435-453.		6
31923	Adsorption processes for the removal of contaminants from wastewater. , 2020, , 161-222.		167
31924	Orthorhombic carbon oC48: A new superhard carbon allotrope. Solid State Communications, 2020, 319, 113994.	1.9	10
31925	Simultaneous Synthesis and Densification of Carbon Nano-Materials Dispersed Boron Carbide Composites Using Pulsed Electric-Current Pressure Sintering (PECPS). Materials Science Forum, 0, 985, 202-210.	0.3	0
31926	Comparative study on heat transfer in CNTs-water nanofluid over a curved surface. International Communications in Heat and Mass Transfer, 2020, 116, 104707.	5.6	77
31927	Investigation of Mechanical Properties of MWCNTs Doped Epoxy Nanocomposites in Tensile, Fracture and Impact Tests. Materials Science Forum, 2020, 990, 239-243.	0.3	1
31928	Ultra-thin Piezoelectric Lattice for Vibration Suppression in Pipe Conveying Fluid. Acta Mechanica Solida Sinica, 2020, 33, 770-780.	1.9	28
31929	Longitudinal modeling and properties tailoring of functionally graded carbon nanotube reinforced composite beams: A novel approach. Applied Mathematical Modelling, 2020, 88, 161-174.	4.2	7
31930	Cubic and tetragonal maghemite formation inside carbon nanotubes under chemical vapor deposition process conditions. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 913-918.	2.1	3
31931	Role of Fourier sine transform on the dynamical model of tensioned carbon nanotubes with fractional operator. Mathematical Methods in the Applied Sciences, 2020, , .	2.3	20
31932	Potential molecular semiconductor devices: cyclo-C _n (<i>n</i> = 10 and 14) with higher stabilities and aromaticities than acknowledged cyclo-C ₁₈ . Physical Chemistry Chemical Physics, 2020, 22, 4823-4831.	2.8	31
31933	Nanoparticle in Asphalt Binder: A State-of-The-Art Review. IOP Conference Series: Materials Science and Engineering, 2020, 712, 012023.	0.6	4

#	ARTICLE	IF	CITATIONS
31934	Vibration analysis of cantilever FG-CNTRC trapezoidal plates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	7
31935	CNT-reinforced iron and titanium nanocomposites: Strength and deformation mechanisms. Composites Part B: Engineering, 2020, 187, 107836.	12.0	22
31936	Revisiting the Feldâ€™s Friendship Paradox in Online Social Networks. IEEE Access, 2020, 8, 24062-24071.	4.2	0
31937	Supramolecular Assemblies for Electronic Materials. Chemistry - A European Journal, 2020, 26, 3744-3748.	3.3	14
31940	Enabling Materials By Dimensionality: From 0D to 3D Carbon-Based Nanostructures. , 2020, , 135-200.		1
31941	Shear buckling analysis of functionally graded (FG) carbon nanotube reinforced skew plates with different boundary conditions. Aerospace Science and Technology, 2020, 99, 105753.	4.8	43
31942	Curvature-dependent melting models and melting thermodynamics of nanotubes in theory and experiment. Chemical Engineering Science, 2020, 216, 115558.	3.8	0
31943	Interlaminar fracture toughness and fatigue fracture of continuous fiber-reinforced polymer composites with carbon-based nanoreinforcements: a review. Polymer-Plastics Technology and Materials, 2020, 59, 1041-1076.	1.3	8
31944	Exponential and harmonic forced torsional vibration of single-walled carbon nanotube in an elastic medium. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 1928-1942.	2.1	12
31945	Analysis of temperature, helicity and size effect on the mechanical properties of carbon nanotubes using molecular dynamics simulation. Materials Today: Proceedings, 2020, 26, 897-904.	1.8	11
31946	Reviewâ€™Recent Advances in Carbon Nanomaterials as Electrochemical Biosensors. Journal of the Electrochemical Society, 2020, 167, 037555.	2.9	272
31947	Continuous Synthesis of Double-Walled Carbon Nanotubes with Water-Assisted Floating Catalyst Chemical Vapor Deposition. Nanomaterials, 2020, 10, 365.	4.1	26
31948	Stupendous Nanomaterials: Carbon Nanotubes Synthesis, Characterization, and Applications. , 2020, , .		0
31949	High-Performance Ultraviolet Photodetector Based on a Zinc Oxide Nanoparticle@Single-Walled Carbon Nanotube Heterojunction Hybrid Film. Nanomaterials, 2020, 10, 395.	4.1	32
31950	Safe Administration of Carbon Nanotubes by Intravenous Pathway in BALB/c Mice. Nanomaterials, 2020, 10, 400.	4.1	8
31951	The effect of temperature on fatigue strength of poly(etherâ€™imide)/multiwalled carbon nanotube/carbon fibers composites for aeronautical application. Journal of Applied Polymer Science, 2020, 137, 49160.	2.6	2
31952	Role of multiple solutions in flow of nanofluids with carbon nanotubes over a vertical permeable moving plate. AEJ - Alexandria Engineering Journal, 2020, 59, 763-773.	6.4	30
31953	Effect of stirrer design on microstructure of MWCNT and Al alloy by stir casting process. Advances in Materials and Processing Technologies, 2020, 6, 320-327.	1.4	10

#	ARTICLE	IF	CITATIONS
31954	A simple strategy based on fibers coated with surfactant-functionalized multiwalled carbon nanotubes to improve the properties of solid-phase microextraction of phenols in aqueous solution. BMC Chemistry, 2020, 14, 15.	3.8	8
31955	Carbon Nanotube Yarn Microelectrodes Promote High Temporal Measurements of Serotonin Using Fast Scan Cyclic Voltammetry. Sensors, 2020, 20, 1173.	3.8	36
31957	Carbon nanotubes synthesized on the surface of recycled carbon fibers by catalytic chemical vapor deposition for revalorization of degraded composite materials. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	1
31958	Synthesis of large-area ultrathin graphdiyne films at an air/water interface and their application in memristors. Materials Chemistry Frontiers, 2020, 4, 1268-1273.	5.9	15
31959	Influence of carbon nanotubes-based cement grouting nano-reinforcement on the mechanical behavior of sandstone with a single through-fracture under uniaxial compression. European Journal of Environmental and Civil Engineering, 2020, , 1-16.	2.1	0
31960	Density functional theory study on electrical properties of graphyne propane under tension and compression deformation. Materials Research Express, 2020, 7, 015032.	1.6	5
31961	Enhanced mechanical properties and wear resistance of cold-rolled carbon nanotubes reinforced copper matrix composites. Materials Research Express, 2020, 7, 015069.	1.6	7
31962	Synthesis of WS ₂ /CNT hybrid nanoparticles for fabrication of hybrid aluminum matrix nanocomposite. Materials Research Express, 2020, 7, 025034.	1.6	27
31963	Derivatized Carbon Nanotubes for Gene Therapy in Mammalian and Plant Cells. ChemPlusChem, 2020, 85, 466-475.	2.8	13
31964	Predicting whether aromatic molecules would prefer to enter a carbon nanotube: A density functional theory study. Journal of Computational Chemistry, 2020, 41, 1261-1270.	3.3	6
31965	Effect of kaolinite clay/SBS on rheological performance of asphalt binder. Innovative Infrastructure Solutions, 2020, 5, 1.	2.2	9
31966	Critical assessment of the interatomic potentials for the elastic properties of the noncarbon monolayer nanomaterials. Computational Materials Science, 2020, 177, 109550.	3.0	5
31967	Functionally graded graphene reinforced composite structures: A review. Engineering Structures, 2020, 210, 110339.	5.3	332
31968	Monte Carlo Simulations of SO ₂ , H ₂ S, and CO ₂ Adsorption in Charged Single-Walled Carbon Nanotube Arrays. Journal of Physical Chemistry C, 2020, 124, 5838-5852.	3.1	10
31969	Multifunctionality of structural nanohybrids: the crucial role of carbon nanotube covalent and non-covalent functionalization in enabling high thermal, mechanical and self-healing performance. Nanotechnology, 2020, 31, 225708.	2.6	41
31970	Buckling and post-buckling behaviors of higher order carbon nanotubes using energy-equivalent model. Engineering With Computers, 2021, 37, 2823-2836.	6.1	42
31971	Lightweight Electromagnetic Interference Shielding Materials and Their Mechanisms. , 0, , .		8
31972	Strain-induced novel properties of alloy nitride nanotubes. Computational Materials Science, 2020, 177, 109589.	3.0	6

#	ARTICLE	IF	CITATIONS
31973	Theoretical study of greenhouse gases on the zirconium oxide nanotube surface. Chemical Physics Letters, 2020, 745, 137236.	2.6	3
31974	Carbon nanotubes promote cell migration in hydrogels. Scientific Reports, 2020, 10, 2543.	3.3	40
31975	Performance of a Low Energy Ion Source with Carbon Nanotube Electron Emitters under the Influence of Various Operating Gases. Nanomaterials, 2020, 10, 354.	4.1	8
31976	Carbon nanomaterials: 30 years of research in agroecosystems. , 2020, , 1-18.		6
31977	Carbon nanomaterial applications in air pollution remediation. , 2020, , 133-153.		14
31978	Toxic effects of engineered carbon nanoparticles on environment. , 2020, , 237-260.		8
31979	Carbon nanostructures: detection, controlling plant diseases and mycotoxins. , 2020, , 261-277.		6
31980	Carbon nanotubes: An efficient sorbent for herbicide sensing and remediation. , 2020, , 429-457.		3
31981	Interaction of carbon nanotubes with rhizosphere microbial communities. , 2020, , 487-504.		2
31982	Toxic and beneficial effects of carbon nanomaterials on human and animal health. , 2020, , 535-555.		4
31983	Heat capacity of endohedral carbon nanotubes Rg@CNT (Rg=He, Ne, Ar and Kr). Chemical Physics Letters, 2020, 745, 137251.	2.6	3
31984	Preparation, characterization, and thermal conductivity of polyvinyl-formaldehyde/MWCNTs foam: A low cost heat sink substrate. Journal of Materials Research and Technology, 2020, 9, 2934-2945.	5.8	20
31985	Molecular dynamics simulations to study the interaction between carbon nanotube and calmodulin protein. Materials Today: Proceedings, 2020, 28, 108-111.	1.8	2
31986	Flame Synthesis of Superhydrophilic Carbon Nanotubes/Ni Foam Decorated with Fe ₂ O ₃ Nanoparticles for Water Purification via Solar Steam Generation. ACS Applied Materials & Interfaces, 2020, 12, 13229-13238.	8.0	92
31987	Toward the Synthesis of a Highly Strained Hydrocarbon Belt. Journal of the American Chemical Society, 2020, 142, 4576-4580.	13.7	90
31988	Vibration analysis of carbon nanotube mass sensors considering both inertia and stiffness of the detected mass. Mechanics Based Design of Structures and Machines, 2022, 50, 841-857.	4.7	14
31989	Reductive Stress, Bioactive Compounds, Redox-Active Metals, and Dormant Tumor Cell Biology to Develop Redox-Based Tools for the Treatment of Cancer. Antioxidants and Redox Signaling, 2020, 33, 860-881.	5.4	26
31990	Functionalization ratio of isocyanate groups on plasma-processed multiwalled carbon nanotubes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2020, 38, .	2.1	7

#	ARTICLE	IF	CITATIONS
31991	Application of nanotechnology in pavement engineering: a review. Canadian Journal of Civil Engineering, 2020, 47, 1037-1045.	1.3	8
31992	Carbon-Based Nanomaterials for Separation Media. Bulletin of the Chemical Society of Japan, 2020, 93, 482-489.	3.2	14
31993	Effect of annealing temperature on the continuity and conductivity of coal-based carbon films prepared by ball milling. Applied Surface Science, 2020, 510, 145411.	6.1	5
31994	Carbon nanotubes functionalized with sodium hyaluronate: Sterilization, osteogenic capacity and renal function analysis. Life Sciences, 2020, 248, 117460.	4.3	5
31995	2D graphdiyne: an excellent ultraviolet nonlinear absorption material. Nanoscale, 2020, 12, 6243-6249.	5.6	40
31996	Designing Flexible and Porous Fibrous Membranes for Oil Water Separation—A Review of Recent Developments. Polymer Reviews, 2020, 60, 671-716.	10.9	66
31997	Carbon rings as building blocks for single-walled carbon nanotubes. Nano Futures, 2020, 4, 025001.	2.2	0
31998	Brightened spin-triplet exciton induced by spin-orbit couplings in semiconducting carbon nanotubes. European Physical Journal B, 2020, 93, 1.	1.5	0
31999	Progress on Synthesis and Applications of Porous Carbon Materials. International Journal of Electrochemical Science, 2020, 15, 1363-1377.	1.3	33
32000	Bottom-up Synthese von diskreten konischen Nanokohlenstoffen. Angewandte Chemie, 2020, 132, 4648-4651.	2.0	1
32001	An introduction to materials for potential EMI shielding applications: Status and future. , 2020, , 1-8.		12
32002	Thermoplastic polymer composites for EMI shielding applications. , 2020, , 73-99.		10
32003	Sensors for structural health monitoring. , 2020, , 227-248.		2
32004	Exfoliated and water dispersible biocarbon nanotubes for enzymology applications. Methods in Enzymology, 2020, 630, 407-430.	1.0	1
32005	A GHz rotary nanoflake driven by diamond needles: A molecular dynamics study. Materials and Design, 2020, 191, 108593.	7.0	11
32006	Metallic Sb/GaAs core/shell nanowire as cold anti-reflective coating for optical fibres. Materials Today: Proceedings, 2020, 28, 230-233.	1.8	4
32007	Identification of sulfur gases by an B40 fullerene: A computational study. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 120, 114038.	2.7	6
32008	Efficient Toroidal Formation of Sorted Metallic and Semiconducting Single-Walled Carbon Nanotubes via General Pickering Emulsion. ACS Omega, 2020, 5, 1394-1401.	3.5	1

#	ARTICLE	IF	CITATIONS
32009	Carbon nanotube-based adsorbents for the removal of dyes from waters: A review. Environmental Chemistry Letters, 2020, 18, 605-629.	16.2	152
32010	Magnetic magnesium ferrite-doped multi-walled carbon nanotubes: an advanced treatment of chromium-containing wastewater. Environmental Science and Pollution Research, 2020, 27, 13844-13854.	5.3	25
32011	Chirality Pure Carbon Nanotubes: Growth, Sorting, and Characterization. Chemical Reviews, 2020, 120, 2693-2758.	47.7	278
32012	Adsorption of Actinide (U-Pu) Complexes on the Silicene and Germanene Surface: A Theoretical Study. Journal of Physical Chemistry A, 2020, 124, 1522-1534.	2.5	3
32013	Carbon nanomaterials: synthesis and applications to development of electrochemical sensors in determination of drugs and compounds of clinical interest. Reviews in Analytical Chemistry, 2020, 38, .	3.2	21
32014	Synthesis and Characterization of CoFe ₂ O ₄ /MWCNTs Nanocomposites and High-Frequency Analysis of Their Dielectric Properties. Journal of Materials Engineering and Performance, 2020, 29, 251-258.	2.5	4
32015	Thin film chemiresistive gas sensor on single-walled carbon nanotubes-functionalized with polyethylenimine (PEI) for NO_2 gas sensing. Bulletin of Materials Science, 2020, 43, 1.	1.7	29
32016	A Reusable CNT-Supported Single-Atom Iron Catalyst for the Highly Efficient Synthesis of C-N Bonds. Chemistry - A European Journal, 2020, 26, 4592-4598.	3.3	16
32017	Solving the $\alpha\text{-MoS}_2$ Nanotubes-Synthetic Enigma and Elucidating the Route for Their Catalyst-Free and Scalable Production. ACS Nano, 2020, 14, 3004-3016.	14.6	62
32018	AFM-Based Observation and Robotic Nano-manipulation. , 2020, , .		1
32019	Analysis on the synthesis of vertically aligned carbon nanotubes: growth mechanism and techniques. Journal of Materials Science: Materials in Electronics, 2020, 31, 4399-4443.	2.2	27
32020	The construction of helicate metal-organic nanotubes and enantioselective recognition. Journal of Materials Chemistry C, 2020, 8, 4453-4460.	5.5	12
32021	Evaluation of the catalytic properties of carbon nanotubes dispersed in amino trimethyl phosphonic acid and nonylphenol. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 603-610.	2.1	3
32022	Graphene Oxide/Single-Walled Carbon Nanotube Membranes for CO ₂ and N ₂ Separation from Blast Furnace Gas. Journal of Nanomaterials, 2020, 2020, 1-15.	2.7	6
32023	Nonlinear normal modes, resonances and energy exchange in single-walled carbon nanotubes. International Journal of Non-Linear Mechanics, 2020, 120, 103398.	2.6	20
32024	Carbon Nanotubes in Biomedicine. Topics in Current Chemistry, 2020, 378, 15.	5.8	91
32025	Water diffusion in rough carbon nanotubes. Journal of Chemical Physics, 2020, 152, 024708.	3.0	23
32026	Electrical, mechanical, and optical changes in MWCNT-doped PMMA composite films. Journal of Composite Materials, 2020, 54, 2449-2459.	2.4	5

#	ARTICLE	IF	CITATIONS
32027	Enhanced Detection Systems of Filling Rates Using Carbon Nanotube Cement Grout. <i>Nanomaterials</i> , 2020, 10, 10.	4.1	12
32028	Integrating firefly algorithm with density functional theory for global optimization of Al ₄₂ clusters. <i>Theoretical Chemistry Accounts</i> , 2020, 139, 1.	1.4	7
32029	Recent advances in nanomaterial-based electrochemical detection of antibiotics: Challenges and future perspectives. <i>Biosensors and Bioelectronics</i> , 2020, 153, 112046.	10.1	152
32030	Planetary ball milling of MWCNTs reinforced NiAl composites. <i>Materials Today: Proceedings</i> , 2020, 28, 745-749.	1.8	1
32031	Solution-Processed Transparent Electrodes for Emerging Thin-Film Solar Cells. <i>Chemical Reviews</i> , 2020, 120, 2049-2122.	47.7	152
32032	Adsorption simulation of open-ended single-walled carbon nanotubes for various gases. <i>AIP Advances</i> , 2020, 10, .	1.3	7
32033	A multifunctional carbon nanotube reinforced nanocomposite modified via soy protein isolate: A study on dispersion, electrical and mechanical properties. <i>Carbon</i> , 2020, 161, 350-358.	10.3	20
32034	The Effect of the Gaseous Environment on the Electrical Conductivity of Multi-Walled Carbon Nanotube Films over a Wide Temperature Range. <i>Materials</i> , 2020, 13, 510.	2.9	4
32035	Application of Temperature Sensitive Paint to investigate laminar-to-turbulent transition on nacelles. , 2020, , .		1
32036	Effect of carbon nanotubes/graphene nanoplates hybrid to ZnO matrix: production, electrical and optical properties of nanocomposite. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 3184-3196.	2.2	15
32037	A critical review on VOCs adsorption by different porous materials: Species, mechanisms and modification methods. <i>Journal of Hazardous Materials</i> , 2020, 389, 122102.	12.4	504
32038	Selective oxidation of styrene to benzaldehyde by cobalt phthalocyanine-multi-walled carbon nanotube composites. <i>Solid State Sciences</i> , 2020, 101, 106122.	3.2	12
32039	RKKY interaction in doped nanotubes: A full band study. <i>Solid State Communications</i> , 2020, 309, 113822.	1.9	1
32040	Pyrrolic nitrogen-doped multiwall carbon nanotubes using ball-milled slag-SiC mixtures as a catalyst by aerosol assisted chemical vapor deposition. <i>Materials Research Express</i> , 2020, , .	1.6	4
32041	Assessment of Catalyst Selectivity in Carbon-Nanotube Silylation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 109.	2.5	3
32042	Effect of source gases on CVD synthesis of CNTs@TiB ₂ composite powders using Ni/Y ₂ O ₃ as the catalyst. <i>Ceramics International</i> , 2020, 46, 10704-10709.	4.8	4
32043	Self-Catalyzed Vertically Aligned Carbon Nanotube/Silicon Core/Shell Array for Highly Stable, High-Capacity Lithium-Ion Batteries. <i>Langmuir</i> , 2020, 36, 889-896.	3.5	29
32044	Investigating the electronic and nonlinear optical properties of fullerene by substituting N, P, As, and Sb in the lattice structure: a DFT study. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	2.3	2

#	ARTICLE	IF	CITATIONS
32045	Introduction: carbon and carbon nanomaterials. , 2020, , 23-45.		2
32046	Achieving high stability of MgO/carbon nanotube interface via the co-deposition technique. Journal of Alloys and Compounds, 2020, 824, 153889.	5.5	13
32047	Enhanced photodegradation performance of Rhodamine B with g-C ₃ N ₄ modified by carbon nanotubes. Separation and Purification Technology, 2020, 244, 116618.	7.9	54
32048	Nanotubes with horns: a clue to the growth mechanism?. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 541-544.	2.1	2
32049	Reviewâ€”Single Walled Carbon Nanotubes as Optical Sensors for Biological Applications. Journal of the Electrochemical Society, 2020, 167, 037530.	2.9	30
32050	A Review of Applications Using Mixed Materials of Cellulose, Nanocellulose and Carbon Nanotubes. Nanomaterials, 2020, 10, 186.	4.1	121
32051	Applications of Nanocellulose/Nanocarbon Composites: Focus on Biotechnology and Medicine. Nanomaterials, 2020, 10, 196.	4.1	117
32052	Bottomâ€”Up Synthesis of Discrete Conical Nanocarbons. Angewandte Chemie - International Edition, 2020, 59, 4620-4622.	13.8	8
32053	Vibration and buckling characteristics of nonlocal beam placed in a magnetic field embedded in Winklerâ€”Pasternak elastic foundation using a new refined beam theory: an analytical approach. European Physical Journal Plus, 2020, 135, 1.	2.6	35
32054	Review of Chitosan-Based Polymers as Proton Exchange Membranes and Roles of Chitosan-Supported Ionic Liquids. International Journal of Molecular Sciences, 2020, 21, 632.	4.1	81
32055	Overview of nanoparticles and their surface modification. , 2020, , 29-64.		1
32056	Evaluation of structural, optical and dielectric properties of MWCNT-BaTiO ₃ /silica ceramic nanocomposites. Ceramics International, 2020, 46, 12243-12248.	4.8	13
32057	Use of functionalized carbon nanotubes for the development of robust nanobiocatalysts. Methods in Enzymology, 2020, 630, 263-301.	1.0	17
32058	Towards on-site detection of cadmium in human urine. Journal of Electroanalytical Chemistry, 2020, 859, 113808.	3.8	9
32059	Molecular dynamics simulation of the mechanical properties of CNT-polyoxymethylene composite with a reactive forcefield. Molecular Simulation, 2020, 46, 380-387.	2.0	13
32060	Optimization of Carbon Nanotube-Coated Monolith by Direct Liquid Injection Chemical Vapor Deposition Based on Taguchi Method. Catalysts, 2020, 10, 67.	3.5	10
32061	Visibleâ€”NIR Photodetectors Based on Lowâ€”Dimensional GeSe Microâ€”Crystals: Designed Morphology and Improved Photoresponsivity. ChemPhysChem, 2020, 21, 397-405.	2.1	7
32062	A molecular dynamics investigation for predicting the optimum fiber radius and the effect of various parameters on the mechanical properties of carbon nanotube reinforced iron composite. Computational Materials Science, 2020, 174, 109486.	3.0	6

#	ARTICLE	IF	CITATIONS
32063	Room-temperature vulcanized silicone rubber/barium titanate-based high-performance nanocomposite for energy harvesting. <i>Materials Today Chemistry</i> , 2020, 16, 100232.	3.5	18
32064	Electronic conductance of a lengthy zigzag honeycomb nanotube including some surface-adsorbed molecules. <i>Physica Scripta</i> , 2020, 95, 045812.	2.5	0
32065	Fabrication of Aerospace-grade Epoxy and Bismaleimide Matrix Nanocomposites with High Density Aligned Carbon Nanotube Reinforcement. , 2020, , .		3
32066	Tuning Second-Order Nonlinear Optical Properties of Cross-Linked Carbon Nanotube via External Electric Field. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3778-3783.	3.1	10
32067	Size-dependent effects of Ti powders in the pure aluminum matrix composites reinforced by carbon nanotubes. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153824.	5.5	16
32068	Quantum Transport beyond DC. , 2020, , 278-292.		0
32070	Ultra-low concentration protein detection based on phenylalanine-Pd/SWCNT as a high sensitivity nanoreceptor. <i>RSC Advances</i> , 2020, 10, 2650-2660.	3.6	18
32071	SO ₃ H@carbon powder derived from waste orange peel: An efficient, nano-sized greener catalyst for the synthesis of dihydropyrano[2,3-c]pyrazole derivatives. <i>Advanced Powder Technology</i> , 2020, 31, 1516-1528.	4.1	40
32072	Carbon black as an outstanding and affordable nanomaterial for electrochemical (bio)sensor design. <i>Biosensors and Bioelectronics</i> , 2020, 156, 112033.	10.1	177
32073	Novel synthesis and study of nonlinear absorption and surface-enhanced Raman scattering of carbon nanotubes decorated with silver nanoparticles. <i>Chemical Physics</i> , 2020, 533, 110703.	1.9	2
32074	A finite element study on the CNT size effect on the nonlinear response of polymer nanocomposites. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	0
32075	Boosting the supercapacitor performances of activated carbon with carbon nanomaterials. <i>Journal of Power Sources</i> , 2020, 450, 227678.	7.8	161
32076	Magnetism and spintronics in carbon nanotubes. , 2020, , 75-102.		2
32077	Effect of addition of multiwalled carbon nanotube/graphite nanoplatelets hybrid on the mechanical properties of aluminium. <i>Diamond and Related Materials</i> , 2020, 104, 107715.	3.9	20
32078	An Integro-Differential Time-Domain Scheme for Electromagnetic Field Modeling in HTS Materials. <i>IEEE Transactions on Magnetics</i> , 2020, 56, 1-4.	2.1	1
32079	Torsional dynamic response of viscoelastic SWCNT subjected to linear and harmonic torques with general boundary conditions via Eringen's nonlocal differential model. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	17
32080	Covalent interactions between carbon nanotubes and P3HT by thiol-ene click chemistry towards improved thermoelectric performance. <i>Materials Chemistry Frontiers</i> , 2020, 4, 1174-1181.	5.9	10
32081	Structure Design and Composition Engineering of Carbon-Based Nanomaterials for Lithium Energy Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1903030.	19.5	122

#	ARTICLE	IF	CITATIONS
32082	Hybrid polyvinyl alcohol/polyvinyl chloride nanocomposites reinforced with graphene-carbon nanotube for acid red environmental treatments. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1447-1462.	1.3	1
32083	Onâ€‘Surface Synthesis of Cumuleneâ€‘Containing Polymers via Twoâ€‘Step Dehalogenative Homocoupling of Dibromomethyleneâ€‘Functionalized Tribenzoazulene. <i>Angewandte Chemie</i> , 2020, 132, 13383-13389.	2.0	15
32084	A strong correlation between the bending rigidity and the length of single-walled carbon nanotubes. <i>Materials Today Communications</i> , 2020, 24, 101144.	1.9	1
32085	Simultaneous electrochemical detection of levodopa, paracetamol and <sc>l</sc>-tyrosine based on multi-walled carbon nanotubes. <i>RSC Advances</i> , 2020, 10, 14218-14224.	3.6	26
32086	Structural and electronic properties of $\hat{1}^{\pm}$, $\hat{1}^2$, $\hat{1}^3$, and 6,6,18-graphdiyne sheets and nanotubes. <i>RSC Advances</i> , 2020, 10, 16709-16717.	3.6	12
32087	Size-dependent transverse and longitudinal vibrations of embedded carbon and silica carbide nanotubes by nonlocal finite element method. <i>European Physical Journal Plus</i> , 2020, 135, 1.	2.6	159
32088	Onâ€‘Surface Synthesis of Cumuleneâ€‘Containing Polymers via Twoâ€‘Step Dehalogenative Homocoupling of Dibromomethyleneâ€‘Functionalized Tribenzoazulene. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13281-13287.	13.8	23
32089	A prediction of a new porous metallic carbon allotrope with an sp ² hybridized network: cP-C24. <i>Solid State Sciences</i> , 2020, 105, 106247.	3.2	12
32090	Design, Simulation and Comparative Evaluation of Active Filters Using 32-nm CNTFET-OTA. , 2020, , .		2
32091	Step-Wise Deposition Process for Dielectrophoretic Formation of Conductive 50-Micron-Long Carbon Nanotube Bridges. <i>Micromachines</i> , 2020, 11, 371.	2.9	12
32092	Ideal Oscillation of a Hydrogenated Deformable Rotor in a Gigahertz Rotationâ€‘Translation Nanoconverter at Low Temperatures. <i>Sensors</i> , 2020, 20, 1969.	3.8	1
32093	Carbon solid lubricants: role of different dimensions. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 3875-3895.	3.0	29
32094	The adsorption characteristics and thermo-mechanical properties of BxCyNz heteronanotubes under physical adsorption of Ni(II)-tetramethyldibenzotetraaza[14]annulene (NiTMTAA): Insight from molecular dynamics approach. <i>Computational Materials Science</i> , 2020, 176, 109554.	3.0	5
32095	Molecular modeling and experimental investigation of graphene/CNT hybrid epoxy composites for characterization of tensile properties. <i>Materials Today: Proceedings</i> , 2020, 26, 3234-3237.	1.8	6
32096	Visible-light-driven room-temperature gas sensor based on carbyne nanocrystals. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128200.	7.8	11
32097	Uranyl Tricarballylate Triperiodic and Nanotubular Species. Counterion Control of Nanotube Diameter. <i>Inorganic Chemistry</i> , 2020, 59, 6953-6962.	4.0	11
32098	Analogous Diamondene Nanotube Structure Prediction Based on Molecular Dynamics and First-Principle Calculations. <i>Nanomaterials</i> , 2020, 10, 846.	4.1	4
32099	Catalytic methane technology for carbon nanotubes and graphene. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 991-1004.	3.7	16

#	ARTICLE	IF	CITATIONS
32100	Carbon Nanotubes-Based Nanomaterials and Their Agricultural and Biotechnological Applications. Materials, 2020, 13, 1679.	2.9	64
32101	Catalyst-Free Synthesis of Few-Layer Graphdiyne Using a Microwave-Induced Temperature Gradient at a Solid/Liquid Interface. Advanced Functional Materials, 2020, 30, 2001396.	14.9	54
32102	Self-standing MWCNTs based gas sensor for detection of environmental limit of CO ₂ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 255, 114528.	3.5	35
32103	Functionalized nanomaterials in dispersive solid phase extraction: Advances & prospects. TrAC - Trends in Analytical Chemistry, 2020, 127, 115893.	11.4	134
32104	Effect of surfactant molecular structure on the electrical and thermal performance of epoxy/functionalized-graphene nanocomposites. Polymer Composites, 2020, 41, 2753-2767.	4.6	15
32105	Study on absorbing wave of Fe ₃ O ₄ /MWCNTs nanoparticles based on large-scale space. Journal of Materials Science: Materials in Electronics, 2020, 31, 2666-2675.	2.2	6
32106	Induced H-packing k-partition number for certain nanotubes and chemical graphs. Journal of Mathematical Chemistry, 2020, 58, 1177-1196.	1.5	5
32107	Physical functionalization of multi-walled carbon nanotubes for enhanced dispersibility in aqueous medium. Emergent Materials, 2020, 3, 25-32.	5.7	25
32108	Additive-manufactured (3D-printed) electrochemical sensors: A critical review. Analytica Chimica Acta, 2020, 1118, 73-91.	5.4	265
32109	Interfacial improvement of carbon fiber/epoxy composites using one-step method for grafting carbon nanotubes on the fibers at ultra-low temperatures. Carbon, 2020, 164, 133-142.	10.3	111
32110	A review of linear carbon chains. Chinese Chemical Letters, 2020, 31, 1746-1756.	9.0	45
32111	Development of MWCNT thin film electrode transparent in the mid-IR range. Ceramics International, 2020, 46, 11340-11345.	4.8	4
32112	Enhancing fresh properties and strength of concrete with a pre-dispersed carbon nanotube liquid admixture. Construction and Building Materials, 2020, 247, 118524.	7.2	33
32113	Engineering and evaluation of forcespun functionalized carbon nano-onions reinforced poly (μ -caprolactone) composite nanofibers for pH-responsive drug release. Materials Science and Engineering C, 2020, 112, 110928.	7.3	73
32114	Development of Pt-Co catalysts supported on carbon nanotubes using the polyol method-tuning the conditions for optimum properties. Materials Today Chemistry, 2020, 16, 100263.	3.5	10
32115	The superior mechanical and physical properties of nanocarbon reinforced bulk composites achieved by architecture design - A review. Progress in Materials Science, 2020, 113, 100672.	32.8	163
32116	In situ transmission electron microscope studies on one-dimensional nanomaterials: Manipulation, properties and applications. Progress in Materials Science, 2020, 113, 100674.	32.8	13
32117	Atomic-Scale Rolling Friction and Charge-Transfer Mechanism: An Integrated Study of Physical Deductions and DFT Simulations. Journal of Physical Chemistry C, 2020, 124, 8431-8438.	3.1	9

#	ARTICLE	IF	CITATIONS
32118	Stereoselective gridization and polygridization with centrosymmetric molecular packing. <i>Nature Communications</i> , 2020, 11, 1756.	12.8	21
32119	Twin T-graphene: a new semiconducting 2D carbon allotrope. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10286-10294.	2.8	39
32120	A multiporous carbon family with superior stability, tunable electronic structures and amazing hydrogen storage capability. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9734-9739.	2.8	4
32121	Induced magnetic field in sp-hybridized carbon rings: analysis of double aromaticity and antiaromaticity in cyclo[2N] carbon allotropes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9240-9249.	2.8	46
32122	Structural effects on carrier doping in carbon nanotube thin-film transistors. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	4
32123	The role of solvents and oxygen-containing functional groups on the adsorption of Bisphenol A on carbon nanotubes. <i>Environmental Technology (United Kingdom)</i> , 2020, 42, 1-9.	2.2	2
32124	One-Step Synthesis of Graphene, Copper and Zinc Oxide Graphene Hybrids via Arc Discharge: Experiments and Modeling. <i>Coatings</i> , 2020, 10, 308.	2.6	8
32125	Penta-C20: A Superhard Direct Band Gap Carbon Allotrope Composed of Carbon Pentagon. <i>Materials</i> , 2020, 13, 1926.	2.9	31
32126	Graphene Layers Functionalized with A Janus Pyrrole-Based Compound in Natural Rubber Nanocomposites with Improved Ultimate and Fracture Properties. <i>Polymers</i> , 2020, 12, 944.	4.5	11
32127	Mesostructured carbon-based nanocages: an advanced platform for energy chemistry. <i>Science China Chemistry</i> , 2020, 63, 665-681.	8.2	48
32128	Field-dependent electrical properties of carbon nanotubes from first-principles: negative differential conductance, current oscillations and molecular sensing. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 135502.	1.8	1
32129	A Hexabenzocoronene-Based Helical Nanographene. <i>Chemistry - A European Journal</i> , 2020, 26, 10210-10212.	3.3	26
32130	Experimental investigation of waste glass powder, basalt fibre, and carbon nanotube on the mechanical properties of concrete. <i>Construction and Building Materials</i> , 2020, 252, 119115.	7.2	49
32131	Effect of carbon nanotube alignment on nanocomposite sensing performance. <i>Materials Research Express</i> , 2020, 7, 046406.	1.6	5
32132	Effect of catalyst on carbon nanotubes synthesis on titanium diboride via chemical vapor deposition. <i>Journal of the American Ceramic Society</i> , 2020, 103, 4691-4699.	3.8	2
32133	Comparative Study of Three Carbon Additives: Carbon Nanotubes, Graphene, and Fullerene-C60, for Synthesizing Enhanced Polymer Nanocomposites. <i>Nanomaterials</i> , 2020, 10, 838.	4.1	26
32134	Electrochemiluminescence revealing that HNO ₃ -oxidized single-walled carbon nanotubes are essentially tubular graphene quantum dot-nanoassemblies. <i>Applied Surface Science</i> , 2020, 525, 146432.	6.1	10
32135	In-situ fabrication of carbon-metal fabrics as freestanding electrodes for high-performance flexible energy storage devices. <i>Energy Storage Materials</i> , 2020, 30, 329-336.	18.0	19

#	ARTICLE	IF	CITATIONS
32136	Methane decomposition with a minimal catalyst: An optimization study with response surface methodology over Ni/SiO ₂ nanocatalyst. International Journal of Hydrogen Energy, 2020, 45, 14383-14395.	7.1	21
32137	A new carbon nanomaterial solid-phase microextraction to pre-concentrate and extract pesticides in environmental water. Talanta, 2020, 217, 121011.	5.5	32
32138	Optimization the Process of Chemically Modified Carbon Nanofiber Coated Monolith via Response Surface Methodology for CO ₂ Capture. Materials, 2020, 13, 1775.	2.9	6
32139	Development of advanced nanocomposite membranes by carbon-based nanomaterials (CNTs and GO). , 2020, , 145-162.		3
32140	Polymeric nanocomposite coatings. , 2020, , 363-378.		0
32141	Adsorption behavior of pristine, Al-, and Si-doped carbon nanotubes upon 5-fluorouracil. Chemical Physics Letters, 2020, 750, 137492.	2.6	26
32142	Development of a new hybrid CNT-TEPA@poly(3,4-ethylenedioxythiophene-co-3-(pyrrol-1-methyl)pyridine) for application as electrode active material in supercapacitors. Polymer, 2020, 194, 122368.	3.8	10
32143	Current progresses and trends in carbon nanomaterialsâ€based electrochemical and electrochemiluminescence biosensors. Journal of the Chinese Chemical Society, 2020, 67, 937-960.	1.4	32
32144	Optimized buffer insertion for efficient interconnects designs. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2020, 33, e2748.	1.9	8
32145	Near Infrared-Emitting Nanoparticles for Biomedical Applications. , 2020, , .		20
32146	Quantum Dot Optoelectronic Devices. Lecture Notes in Nanoscale Science and Technology, 2020, , .	0.8	5
32147	Semisolid microstructural evolution of (CNTsâ€+â€Sip)/AZ91D powder compacts prepared from powders by cold pressing and remelting. Rare Metals, 2020, 39, 733-742.	7.1	12
32148	Carbon nanotubes drug delivery system for cancer treatment. , 2020, , 313-332.		11
32149	Application of carbon nanomaterials in the electronic industry. , 2020, , 421-450.		5
32150	Three-dimensional asymptotic nonlocal elasticity theory for the free vibration analysis of embedded single-walled carbon nanotubes. Computers and Mathematics With Applications, 2020, 80, 161-182.	2.7	12
32151	Recent progress on the enhancement of photocatalytic properties of BiPO ₄ using “conjugated materials. Advances in Colloid and Interface Science, 2020, 280, 102160.	14.7	87
32152	Light and flexible gas sensors made of free-standing carbon nanotube paper. Chemical Physics Letters, 2020, 747, 137367.	2.6	7
32153	Role of sulfur source on the structure of carbon nanotube cotton synthesized by floating catalyst chemical vapour deposition. Chemical Physics Letters, 2020, 748, 137391.	2.6	17

#	ARTICLE	IF	CITATIONS
32154	Multiquadric radial basis function approximation method and asymptotic numerical method for nonlinear and linear static analysis of single-walled carbon nanotubes. Engineering Analysis With Boundary Elements, 2020, 115, 40-51.	3.7	7
32155	Influence of crystalline nature of aluminium in mechanical properties of Al-CNT composites. Materials Today: Proceedings, 2020, 27, 2744-2747.	1.8	3
32156	Modeling and Evaluation of Effective Elastic Properties of Carbon Nanotubes Reinforced Carbon Fiber/Epoxy Multiscale Composites. Materials Today: Proceedings, 2020, 21, 1099-1103.	1.8	6
32157	Malleable and Recyclable Conductive MWCNT-Vitrimer Composite for Flexible Electronics. ACS Applied Nano Materials, 2020, 3, 4845-4850.	5.0	34
32158	Effect of Ion-Pair Interaction Energy and Alkyl Chain Length on the Dispersibility of Carbon Nanotubes in a Conductive Composite Elastomer. ACS Applied Polymer Materials, 2020, 2, 1773-1780.	4.4	2
32159	Overview of the application of inorganic nanomaterials in cancer photothermal therapy. Biomaterials Science, 2020, 8, 2990-3020.	5.4	208
32160	Progress in the functional modification of graphene/graphene oxide: a review. RSC Advances, 2020, 10, 15328-15345.	3.6	685
32161	Surface-topology-controlled mechanical characteristics of triply periodic carbon Schwarzite foams. Soft Matter, 2020, 16, 4324-4338.	2.7	10
32162	How to coordinate the trade-off between water permeability and salt rejection in nanofiltration?. Journal of Materials Chemistry A, 2020, 8, 8831-8847.	10.3	162
32163	Carbon nanotube with pressure inducing pseudogaps: Kondo effect study. Journal of Applied Physics, 2020, 127, 155102.	2.5	2
32164	Enumeration of stereo, position and chiral isomers of polysubstituted giant fullerenes: applications to C ₁₈₀ and C ₂₄₀ . Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 687-696.	2.1	10
32165	Sublaminar variable kinematics shell models for functionally graded sandwich panels: Bending and free vibration response. Mechanics of Advanced Materials and Structures, 2022, 29, 15-32.	2.6	6
32166	Circumferential confinement consequence on the magnetic properties of a punctured nanotube in the presence of an axial electric field. Journal of Physics Condensed Matter, 2020, 32, 255602.	1.8	3
32167	Carbon nanotube-based nanoelectromechanical resonator as mass biosensor. Chinese Physics B, 2020, 29, 078501.	1.4	4
32168	Using Hybridized techniques for Prediction of Software Maintainability using Imbalanced data. , 2020, , .		2
32169	Design and characterization of an enclosed coaxial carbon nanotube speaker. Journal of the Acoustical Society of America, 2020, 147, EL333-EL338.	1.1	1
32170	Electronic Properties of Graphyne and Graphdiyne in Tight-binding Model. ECS Journal of Solid State Science and Technology, 2020, 9, 031003.	1.8	18
32171	Carbon Nanomaterials Based Saturable Absorbers for Ultrafast Passive Mode-Locking of Fiber Lasers. Current Nanoscience, 2020, 16, 441-457.	1.2	17

#	ARTICLE	IF	CITATIONS
32172	Elucidation of Antimicrobial Activity of Non-Covalently Dispersed Carbon Nanotubes. <i>Materials</i> , 2020, 13, 1676.	2.9	32
32173	Control of pH-Responsiveness in Graphene Oxide Grafted with Poly-DEAEMA via Tailored Functionalization. <i>Nanomaterials</i> , 2020, 10, 614.	4.1	2
32174	Carbon Allotrope-Based Optical Fibers for Environmental and Biological Sensing: A Review. <i>Sensors</i> , 2020, 20, 2046.	3.8	21
32175	Metronomic chemotherapy of carboplatin-loaded PEGylated MWCNTs: synthesis, characterization and in vitro toxicity in human breast cancer. <i>Carbon Letters</i> , 2020, 30, 435-447.	5.9	14
32176	Nanoparticle applications in sustainable agriculture, poultry, and food: trends and perspective. , 2020, , 341-353.		5
32177	Rapid and accurate determination of carboxyl groups in carbon materials by headspace gas chromatography. <i>Journal of Chromatography A</i> , 2020, 1621, 461062.	3.7	2
32178	A size-dependent moving Kriging meshfree model for deformation and free vibration analysis of functionally graded carbon nanotube-reinforced composite nanoplates. <i>Engineering Analysis With Boundary Elements</i> , 2020, 115, 52-63.	3.7	50
32179	Acoustic spectroscopy of functionalized carbon nanotubes in magnetic fluid. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 502, 166538.	2.3	1
32180	Reduced graphene oxide/multi-walled carbon nanotubes/prussian blue nanocomposites for amperometric detection of strong oxidants. <i>Materials Chemistry and Physics</i> , 2020, 250, 123011.	4.0	24
32181	Fabrication and characterized of hybrid composite beam material with fillers. <i>Materials Today: Proceedings</i> , 2020, 26, 2595-2600.	1.8	1
32182	Multifunctional reduced graphene oxide coating on laminated composites. <i>Materials Today: Proceedings</i> , 2021, 34, 149-155.	1.8	2
32183	Tailoring surface properties of carbon nanofibers via oxidation and its influence on dental pulp stem cell viability of PCL/CNF composites. <i>Polymer Bulletin</i> , 2021, 78, 695-711.	3.3	5
32184	Fabrication of organo-modified carbon nanotube with excellent heat resistance and preparation of its polymer-based nanocomposite by simple melt compounding. <i>Polymer Bulletin</i> , 2021, 78, 1585-1607.	3.3	12
32185	Magnetic Solid-Phase Extraction of Drugs and Pesticides from Human Plasma Using COOH-mMWCNTs. <i>Journal of Analytical Toxicology</i> , 2021, 44, 968-975.	2.8	6
32186	ZM1 magnesium alloy reinforced by carbon nanotubes using an improved casting process. <i>Rare Metals</i> , 2021, 40, 1275-1283.	7.1	7
32187	Synthesis and characterization of platinum multi-walled carbon nanotubes nanocomposite film electrode. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12800-12811.	2.2	1
32188	Investigating vibrations of viscoelastic fluid-conveying carbon nanotubes resting on viscoelastic foundation using a nonlocal fractional Timoshenko beam model. <i>Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems</i> , 2021, 235, 30-40.	0.6	1
32189	Multi-scale study of CNT and CNT-COOH reinforced epoxy composites: dispersion state, interfacial interaction vs mechanical properties. <i>Composite Interfaces</i> , 2021, 28, 381-393.	2.3	6

#	ARTICLE	IF	CITATIONS
32190	Free vibration analysis of multisteped nonlocal Bernoulli–Euler beams using dynamic stiffness matrix method. JVC/Journal of Vibration and Control, 2021, 27, 774-789.	2.6	6
32191	A review on the mechanical properties of polymer composites reinforced by carbon nanotubes and graphene. Carbon Letters, 2021, 31, 149-165.	5.9	182
32192	Vibration analysis of the multi-walled carbon nanotube reinforced doubly curved laminated composite shallow shell panels: An experimental and numerical study. Journal of Sandwich Structures and Materials, 2021, 23, 1594-1634.	3.5	7
32193	Multiwall carbon nanotube-nematic liquid crystal composite system: preparation and characterization. Journal of Dispersion Science and Technology, 2021, 42, 707-714.	2.4	11
32194	Short-pulsed Raman fiber laser and its dynamics. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	5.1	30
32195	Recent progress on single atom/sub-nano electrocatalysts for energy applications. Progress in Materials Science, 2021, 115, 100711.	32.8	27
32196	Fast transport of water in carbon nanotubes: a review of current accomplishments and challenges. Molecular Simulation, 2021, 47, 905-924.	2.0	18
32197	Chemically Modified Polysaccharides for Hexavalent Chromium Adsorption. Separation and Purification Reviews, 2021, 50, 333-362.	5.5	30
32198	Nonlinear dynamics and chaos of a nanocomposite plate subjected to electro–thermo–mechanical loads using FEM–Bryne theory. JVC/Journal of Vibration and Control, 2021, 27, 1184-1197.	2.6	12
32199	Applications and strategies in nanodiagnosis and nanotherapy in lung cancer. Seminars in Cancer Biology, 2021, 69, 349-364.	9.6	86
32200	Potential of graphene oxide as a drug delivery system for Sumatriptan: a detailed density functional theory study. Journal of Biomolecular Structure and Dynamics, 2021, 39, 1611-1620.	3.5	30
32201	SWNT Saturable Absorption Application in Telecom Wavelength Range. Journal of Optical Communications, 2021, 42, 229-233.	4.7	1
32202	Heat transfer analysis of armchair (5, 5) and zigzag (10, 0) carbon nanotubes. Mechanics of Advanced Materials and Structures, 2021, 28, 67-87.	2.6	2
32203	An extended Mori-Tanaka micromechanics model for wavy CNT nanocomposites with interface damage. Mechanics of Advanced Materials and Structures, 2021, 28, 295-307.	2.6	31
32204	Mindlin’s strain gradient theory for vibration analysis of FG-CNT-reinforced composite nanoplates resting on Kerr foundation in thermal environment. Journal of Thermoplastic Composite Materials, 2021, 34, 68-101.	4.2	8
32205	Plasmonic excitations and charge structure factor in armchair boron nitride nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114385.	2.7	2
32206	Peierls-type metal-insulator transition in carbon nanostructures. Carbon, 2021, 172, 106-111.	10.3	1
32207	New voltammetric method for determination of tyrosine in foodstuffs using an oxygen-functionalized multi-walled carbon nanotubes modified acetylene black paste electrode. Journal of Food Composition and Analysis, 2021, 96, 103708.	3.9	53

#	ARTICLE	IF	CITATIONS
32208	Functionalisation of multiwalled carbon nanotubes with melamine phosphate and their influence on morphology, thermal stability, flame retardancy and mechanical properties of ABS. <i>Plastics, Rubber and Composites</i> , 2021, 50, 92-103.	2.0	3
32209	Bioactive and Biodegradable Polymer-Based Composites. , 2021, , 674-700.		1
32210	A mini-microplasma-based synthesis reactor for growing highly crystalline carbon nanotubes. <i>Carbon</i> , 2021, 173, 448-453.	10.3	6
32211	Two-Step Divergent Synthesis of Monodisperse and Ultra-Long Bottlebrush Polymers from an Easily Purifiable ROMP Monomer. <i>Angewandte Chemie</i> , 2021, 133, 1552-1558.	2.0	1
32212	Thermal Postbuckling of Temperature-Dependent Functionally Graded Nanocomposite Annular Sector Plates Reinforced by Carbon Nanotubes. <i>International Journal of Structural Stability and Dynamics</i> , 2021, 21, 2150026.	2.4	21
32213	Carbon nanotube composite reinforcements. , 2021, , 35-54.		0
32214	Influence of carbon nanotubes on heat transfer in MHD nanofluid flow over a stretchable rotating disk: A numerical study. <i>Heat Transfer</i> , 2021, 50, 619-637.	3.0	21
32215	Mechanical analysis of functionalized MWCNTs reinforced biresin CR82 epoxy nanocomposite materials. <i>Journal of Composite Materials</i> , 2021, 55, 125-135.	2.4	3
32216	Evaluation of physicochemical and mechanical properties with the in vitro degradation of PCL/nHA/MWCNT composite scaffolds. <i>Journal of Reinforced Plastics and Composites</i> , 2021, 40, 134-142.	3.1	8
32217	Face colorings and chiral face colorings of icosahedral giant fullerenes: C80 to C240. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 1-12.	2.1	6
32218	Improved properties, increased production, and the path to broad adoption of carbon nanotube fibers. <i>Carbon</i> , 2021, 171, 689-694.	10.3	110
32219	A theoretical investigation of electronic and optical properties of (6,1) single-wall carbon nanotube (SWCNT). <i>Carbon Letters</i> , 2021, 31, 441-448.	5.9	15
32220	<scp>CNTFET</scp> based class <scp>AB</scp> current conveyor <scp>II</scp>: Design, analysis and waveform generator applications. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2021, 34, .	1.9	13
32221	Fabrication and growth mechanism of ultra-crystalline C60 on silicon substrate in vacuum. <i>Carbon Letters</i> , 2021, 31, 315-322.	5.9	2
32222	A theoretical investigation on the mercaptopurine drug interaction with boron nitride nanocage: Solvent and density functional effect. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 125, 114337.	2.7	21
32223	Laser-induced nitrogen-self-doped graphite nanofibers from cyanate ester for on-chip micro-supercapacitors. <i>Chemical Engineering Journal</i> , 2021, 404, 126375.	12.7	33
32224	Axial dynamics of functionally graded Rayleigh-Bishop nanorods. <i>Microsystem Technologies</i> , 2021, 27, 269-282.	2.0	26
32225	Functionalization of multiwalled carbon nanotubes with active pharmaceutical ingredient via carboxylation. <i>Materials Today: Proceedings</i> , 2021, 45, 3860-3862.	1.8	0

#	ARTICLE	IF	CITATIONS
32226	Fabrication and evaluation of structural, thermal, mechanical and optical behavior of epoxyâ€“TEOS/MWCNTs composites for solar cell covering. Polymer Bulletin, 2021, 78, 3995-4017.	3.3	23
32227	Free vibration analysis of nanotube based sensors including rotary inertia based on the Rayleigh beam and modified couple stress theories. Microsystem Technologies, 2021, 27, 1913-1923.	2.0	19
32228	Analytical approach to study the vibration of delaminated m<scp>ultiâ€“scale</scp> composite cylindrical shells. Polymer Composites, 2021, 42, 153-172.	4.6	11
32229	Influence of MWCNT fillers on vibroacoustic characteristics of polymer nanocomposite and coated aircraft panels. Applied Acoustics, 2021, 172, 107604.	3.3	18
32230	Microwave plasma-induced growth of vertical graphene from fullerene soot. Carbon, 2021, 172, 26-30.	10.3	18
32231	DSC regularized Dirac-delta method for dynamic analysis of FG graphene platelet-reinforced porous beams on elastic foundation under a moving load. Composite Structures, 2021, 255, 112865.	5.8	37
32232	Rheological characteristics of polyethylene-nanotube composites by capillary rheometry. International Journal of Low-Carbon Technologies, 2021, 16, 165-170.	2.6	0
32233	A critical review of phase change material composite performance through Figure-of-Merit analysis: Graphene vs Boron Nitride. Energy Storage Materials, 2021, 34, 365-387.	18.0	67
32234	Uncertainty quantification of percolating electrical conductance for wavy carbon nanotube-filled polymer nanocomposites using Bayesian inference. Carbon, 2021, 172, 308-323.	10.3	16
32235	Photocatalytic activity enhancement of PDI supermolecular via ĨĖĨĖ action and energy level adjusting with graphene quantum dots. Applied Catalysis B: Environmental, 2021, 281, 119547.	20.2	104
32236	Thermal effect on wave propagation behavior of viscoelastic carbon nanotubes conveying fluid with the spinning and longitudinal motions. Modern Physics Letters B, 2021, 35, 2150052.	1.9	3
32237	Ordered Mesoporous Carbons with Graphitic Tubular Frameworks by Dual Templating for Efficient Electrocatalysis and Energy Storage. Angewandte Chemie, 2021, 133, 1461-1469.	2.0	5
32238	Ordered Mesoporous Carbons with Graphitic Tubular Frameworks by Dual Templating for Efficient Electrocatalysis and Energy Storage. Angewandte Chemie - International Edition, 2021, 60, 1441-1449.	13.8	40
32239	Carbon nanotube, graphene oxide and montmorillonite as conductive fillers in polymer electrolyte membrane for fuel cell: an overview. International Journal of Energy Research, 2021, 45, 1309-1346.	4.5	41
32240	The adsorption of bromochlorodifluoromethane on pristine and Ge-doped silicon carbide nanotube: a PBC-DFT, NBO, and QTAIM study. Structural Chemistry, 2021, 32, 481-494.	2.0	27
32241	The effect of carbon nanotubes on osteogenic functions of adipose-derived mesenchymal stem cells in vitro and bone formation in vivo compared with that of nano-hydroxyapatite and the possible mechanism. Bioactive Materials, 2021, 6, 333-345.	15.6	56
32242	Next Generation Multifunctional Nano-Science of Advanced Metal Complexes with Quantum Effect and Nonlinearity. Bulletin of the Chemical Society of Japan, 2021, 94, 209-264.	3.2	67
32243	Mechanisms of selective nanocarbon synthesis inside carbon nanotubes. Carbon, 2021, 171, 72-78.	10.3	3

#	ARTICLE	IF	CITATIONS
32244	Cyclo[18]carbon as an ultra-elastic molecular O-ring with unique mechanical properties. Carbon, 2021, 171, 96-103.	10.3	40
32245	Intermolecular interaction characteristics of the all-carboatomic ring, cyclo[18]carbon: Focusing on molecular adsorption and stacking. Carbon, 2021, 171, 514-523.	10.3	333
32246	Direct synthesis of micropillars of vertically aligned carbon nanotubes on stainless-steel and their excellent field emission properties. Carbon, 2021, 171, 188-200.	10.3	19
32247	New carbazole-based organic dyes with different acceptors for dye-sensitized solar cells: Synthesis, characterization, dssc fabrications and density functional theory studies. Journal of Molecular Structure, 2021, 1225, 129297.	3.6	52
32248	Influences of cooling rate on formation of amorphous germanene. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114492.	2.7	2
32249	Carbon nanotubes for flexible batteries: recent progress and future perspective. National Science Review, 2021, 8, nwaa261.	9.5	71
32250	Effect of MWCNT carboxylation on mechanical, thermal and morphological behaviour of phenol formaldehyde nanocomposites. Journal of Composite Materials, 2021, 55, 1151-1166.	2.4	12
32251	Carbon-based membrane materials and applications in water and wastewater treatment: a review. Environmental Chemistry Letters, 2021, 19, 1457-1475.	16.2	55
32252	Feasibility of Ca ₁₂ O ₁₂ Nanocluster in Lithium and Sodium Atom/Ion Batteries: DFT Study. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1006-1014.	3.7	5
32253	Interaction of carbon nanotubes with plant system: a review. Carbon Letters, 2021, 31, 167-176.	5.9	27
32254	Carbon Related Materials. , 2021, , .		5
32255	Pulsed laser induced dewetting of Au thin films on Ta ₂ O ₅ substrates. Chemical Physics, 2021, 541, 110926.	1.9	6
32256	Anomalously enhanced thermal performance of carbon-nanotubes coated micro heat pipes. Energy, 2021, 214, 118909.	8.8	20
32257	Effectiveness of the preparation of maleic anhydride grafted poly (lactic acid) by reactive processing for poly (lactic acid)/carbon nanotubes nanocomposites. Journal of Applied Polymer Science, 2021, 138, 50087.	2.6	11
32258	A transfer learning approach for improved classification of carbon nanomaterials from TEM images. Nanoscale Advances, 2021, 3, 206-213.	4.6	25
32259	A review: novel nanohybrids of epoxy/polyamide with carbon nanotube/nano-diamond. Polymer-Plastics Technology and Materials, 2021, 60, 579-600.	1.3	5
32260	The relation between the average diameter of CNTs on Ni@Cu @ C:H catalyst with the optical absorption edge and the optical dispersion parameters. Journal of Microscopy, 2021, 282, 3-12.	1.8	4
32261	Synthesis of a Sidewall Fragment of a (12,0) Carbon Nanotube. Angewandte Chemie - International Edition, 2021, 60, 2658-2662.	13.8	75

#	ARTICLE	IF	CITATIONS
32262	Synthesis of a Sidewall Fragment of a (12,0) Carbon Nanotube. Angewandte Chemie, 2021, 133, 2690-2694.	2.0	25
32263	Two-Step Divergent Synthesis of Monodisperse and Ultra-Long Bottlebrush Polymers from an Easily Purifiable ROMP Monomer. Angewandte Chemie - International Edition, 2021, 60, 1528-1534.	13.8	17
32264	Temperature-dependent brittle-ductile transition of Γ -graphyne nanotubes under uniaxial tension. Computational Materials Science, 2021, 187, 110083.	3.0	5
32265	Comparative study on the electrical, thermal, and mechanical properties of multiwalled carbon nanotubes filled polypropylene and polyamide 6 micromoldings. Journal of Applied Polymer Science, 2021, 138, 49984.	2.6	8
32266	Encapsulation of monocyclic carbon clusters into carbon nanotubes: A continuum modeling approach. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanomaterials, Nanoengineering and Nanosystems, 2021, 235, 12-29.	0.6	1
32267	A damage plasticity constitutive model for wavy CNT nanocomposites by incremental Mori-Tanaka approach. Composite Structures, 2021, 258, 113178.	5.8	14
32268	Electro-polymerization of polyaniline on CVD grown transferrable vertically aligned CNT forest and its application in resistive detection of relative humidity. Materials Today: Proceedings, 2021, 43, 3591-3594.	1.8	3
32269	A review on mechanical properties of epoxy nanocomposites. Materials Today: Proceedings, 2021, 44, 346-355.	1.8	66
32270	Rapid microwave sintering of alumina ceramics with an addition of carbon nanotubes. Ceramics International, 2021, 47, 4604-4610.	4.8	16
32271	Resonance analysis of a single-walled carbon nanotube. Chaos, Solitons and Fractals, 2021, 142, 110498.	5.1	2
32272	The synthesis of nano-fuzz W2N layer using dense helium and nitrogen plasma. Thin Solid Films, 2021, 717, 138445.	1.8	2
32273	Free vibration characteristics of nonlocal viscoelastic nano-scaled plates with rectangular cutout and surface effects. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2021, 101, e201900294.	1.6	1
32274	Determination of Sulfonamide Residues in Livestock and Poultry Manure Using Carbon Nanotube Extraction Combined with UPLC-MS/MS. Food Analytical Methods, 2021, 14, 641-652.	2.6	7
32275	Improved mechanical and rheological behavior of nitrile rubber reinforced with multi-walled carbon nanotubes and carbon black dual-filler system. Materials Today Communications, 2021, 26, 101884.	1.9	6
32276	Heat stress decreases the diversity, abundance and functional potential of coral gas emissions. Global Change Biology, 2021, 27, 879-891.	9.5	14
32277	Radiative CNT-based hybrid magneto-nanoliquid flow over an extending curved surface with slippage and convective heating. Heat Transfer, 2021, 50, 2997-3020.	3.0	27
32278	Carbon-based nanomaterials: Synthesis and prospective applications. Materials Today: Proceedings, 2021, 44, 608-614.	1.8	41
32279	Passively Q-switched ytterbium-doped fiber laser based on a SWCNT@AFI saturable absorber. Optics and Laser Technology, 2021, 136, 106781.	4.6	8

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#	ARTICLE	IF	CITATIONS
32298	Chemically modified carbon-based electrodes for the determination of paracetamol in drugs and biological samples. Journal of Pharmaceutical Analysis, 2021, 11, 138-154.	5.3	40
32299	Nano-reinforcement in sustainable polymer composites. , 2021, , 231-243.		0
32300	Influence of amine functionalized multi-walled carbonnanotubes on the mechanical properties of carbonfiber/epoxy composites. Materials Today: Proceedings, 2021, 37, 2978-2981.	1.8	5
32301	Investigation of the Pristine and Functionalized Carbon Nanotubes as a Delivery System for the Anticancer Drug Dacarbazine: Drug Encapsulation. Journal of Pharmaceutical Sciences, 2021, 110, 2005-2016.	3.3	25
32302	Experimental studies on mechanical properties of natural rubber carbon black-carbon nanotube composite. Materials Today: Proceedings, 2021, 38, 3077-3084.	1.8	11
32303	A review of helical carbon materials structure, synthesis and applications. Rare Metals, 2021, 40, 3-19.	7.1	38
32304	Structural anisotropy in three dimensional macroporous graphene: A polarized XANES investigation. Diamond and Related Materials, 2021, 111, 108171.	3.9	7
32305	Nickel plated carbon nanotubes reinforcing concrete composites: from nano/micro structures to macro mechanical properties. Composites Part A: Applied Science and Manufacturing, 2021, 141, 106228.	7.6	29
32306	Step-by-step conversion of water hyacinth waste to carbon nanohorns by a combination of hydrothermal treatment, carbonization and arc in water processes. Diamond and Related Materials, 2021, 111, 108222.	3.9	3
32307	Nanoindentation studies on multiwalled carbon nanotubes/graphene reinforced aluminium alloy 6061 nanocomposites. Materials Today: Proceedings, 2021, 45, 202-206.	1.8	7
32308	Integrating DNA Nanotechnology with Aptamers for Biological and Biomedical Applications. Matter, 2021, 4, 461-489.	10.0	64
32309	Effect of processing temperature on growing bamboo-like carbon nanotubes by chemical vapor deposition. Materials Today Chemistry, 2021, 19, 100388.	3.5	6
32310	Heat transfer in strained twin graphene: A non-equilibrium molecular dynamics simulation. Physica A: Statistical Mechanics and Its Applications, 2021, 564, 125542.	2.6	10
32311	Adsorption-site-dependent magnetic and electronic properties for single- or double-fluorine-atom adsorbed boron nitride nanotubes and their possible applications in spin filters. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 389, 127071.	2.1	1
32312	Facile deposition of multiwalled carbon nanotubes via electrophoretic deposition in an environmentally friendly suspension. Surface and Coatings Technology, 2021, 406, 126741.	4.8	9
32313	An Ultimate Investigation on the Adsorption of Amantadine on Pristine and Decorated Fullerenes C59X (X=Si, Ge, B, Al, Ga, N, P, and As): A DFT, NBO, and QTAIM Study. Journal of Computational Biophysics and Chemistry, 2021, 20, 23-39.	1.7	28
32314	Colors of Single-Wall Carbon Nanotubes. Advanced Materials, 2021, 33, e2006395.	21.0	18
32315	Transport and recombination properties of group-III doped SiCNTs. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 128, 114578.	2.7	52

#	ARTICLE	IF	CITATIONS
32316	Topological materials and topologically engineered materials: properties, synthesis, and applications for energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1297-1313.	10.3	17
32317	Synthesis and characterization of multi-walled carbon nanotubes decorated with hydroxyapatite. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 423-430.	2.1	12
32318	Effects of cell defects on the mechanical and thermal properties of carbon honeycombs. <i>Computational Materials Science</i> , 2021, 187, 110125.	3.0	9
32319	Flexible Transparent Supercapacitors: Materials and Devices. <i>Advanced Functional Materials</i> , 2021, 31, 2009136.	14.9	141
32320	Electronic and structural properties of 3D Hopf-linked carbon allotrope: Hopfene. <i>Philosophical Magazine Letters</i> , 2021, 101, 12-20.	1.2	0
32321	Low surface energy self-polishing polymer grafted <sc>MWNTs</sc> for antibacterial coating and controlled-release property of <sc>Cu₂O</sc>. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50267.	2.6	6
32322	Sorption as a rapidly response for oil spill accidents: A material and mechanistic approach. <i>Journal of Hazardous Materials</i> , 2021, 407, 124842.	12.4	64
32323	Atomistic modelling of carbon nanotube networks and analysis of inter filler distance. <i>Materials Today: Proceedings</i> , 2021, 39, 1791-1795.	1.8	0
32324	Electromagnetic wave absorbing properties of Cr 2 AlB 2 powders and the effect of high-temperature oxidation. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2213-2224.	3.8	15
32325	Sweet potato derived three-dimensional carbon aerogels with a hierarchical meso-macroporous and branching nanostructure for electroanalysis. <i>Analyst</i> , The, 2021, 146, 1216-1223.	3.5	1
32326	Carbon materials for ion-intercalation involved rechargeable battery technologies. <i>Chemical Society Reviews</i> , 2021, 50, 2388-2443.	38.1	255
32327	Stir bar sorptive extraction and its application. <i>Journal of Chromatography A</i> , 2021, 1637, 461810.	3.7	61
32328	Nonlinear vibration of nonlocal strain gradient functionally graded beam on nonlinear compliant substrate. <i>Composite Structures</i> , 2021, 263, 113447.	5.8	11
32329	Transformation of fullerene-like carbon into concentric elliptical multi-shell carbon nanorings: A synergetic effect of compressive stress and moderate electron beam irradiation. <i>Diamond and Related Materials</i> , 2021, 111, 108189.	3.9	1
32330	Conjugated polymer covalently modified multi-walled carbon nanotubes for flexible nonvolatile RRAM devices. <i>European Polymer Journal</i> , 2021, 142, 110153.	5.4	9
32331	TD-DFT Studies on sp- and sp ² -Hybridized Single Vacancy-Defected [60]Fullerene: Electronic Excitation and Nonlinear Optical Properties of C59 [9-4] and C59 [8-5] Isomers. <i>Journal of Physical Chemistry A</i> , 2021, 125, 106-114.	2.5	10
32332	Numerical simulation of the mechanical behavior of a carbon nanotube bundle. <i>Acta Mechanica</i> , 2021, 232, 483-494.	2.1	9
32333	Structural, Electronic, and Magnetic Properties of 3d Transition Metal-Doped BP Nanotubes by First Principle Calculations. <i>Journal of Superconductivity and Novel Magnetism</i> , 2021, 34, 749-761.	1.8	1

#	ARTICLE	IF	CITATIONS
32334	Effect of carbon nanomaterials on cell toxicity, biomass production, nutritional and active compound accumulation in plants. Environmental Technology and Innovation, 2021, 21, 101323.	6.1	32
32335	Chirality luminescent properties of single-walled carbon nanotubes during redox reactions. Optical Materials, 2021, 112, 110748.	3.6	3
32336	Radially Oriented [C ₆₀]Cyclo-meta-phenylenes. Organic Letters, 2021, 23, 87-92.	4.6	7
32337	Electromagnetic wave absorption properties of MWCNTs-COOH/cement composites with different shapes of chiral, armchair and zigzag. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 386-393.	2.1	14
32338	Carbon materials with high pentagon density. Journal of Materials Science, 2021, 56, 2912-2943.	3.7	35
32339	Ultra-long carbon nanotube forest via in situ supplements of iron and aluminum vapor sources. Carbon, 2021, 172, 772-780.	10.3	36
32340	Effect of multiwall carbon nanotubes on photo catalytic activity of CdS nanocrystals. Materials Today: Proceedings, 2021, 38, 1218-1221.	1.8	0
32342	Enhancing mechanical properties of pure copper-based materials with Cr _x O _y nanoparticles and CNT hybrid reinforcement. Journal of Materials Science, 2021, 56, 3062-3077.	3.7	16
32343	Hierarchically 1D CdS decorated on 2D perovskite-type La ₂ Ti ₂ O ₇ nanosheet hybrids with enhanced photocatalytic performance. Rare Metals, 2021, 40, 1067-1076.	7.1	72
32344	DFT study of X-doped (X= Cu, Ag, Au) boron nitride nanotubes for spintronic and optoelectronic applications. Optik, 2021, 225, 165863.	2.9	3
32345	Biomolecule- π -Directed Carbon Nanotube Self- π -Assembly. Advanced Healthcare Materials, 2021, 10, e2001162.	7.6	24
32346	Squeezing Flow of Carbon Nanotubes-Based Nanofluid in Channel Considering Temperature-Dependent Viscosity: A Numerical Approach. Arabian Journal for Science and Engineering, 2021, 46, 2047-2053.	3.0	16
32347	The carbon nanotubes-based materials and their applications for organic pollutant removal: A critical review. Chinese Chemical Letters, 2021, 32, 1626-1636.	9.0	133
32348	Lithium manganese phosphate associated with MWCNT: Enhanced positive electrode for lithium hybrid batteries. Journal of Alloys and Compounds, 2021, 858, 157715.	5.5	15
32349	Infrared photodetectors based on multiwalled carbon nanotubes: Insights into the effect of nitrogen doping. Applied Surface Science, 2021, 538, 148187.	6.1	40
32350	Thiophene-based Ni-coordination polymer as a catalyst precursor and promoter for multi-walled carbon nanotubes synthesis in CVD. Journal of Solid State Chemistry, 2021, 293, 121782.	2.9	8
32351	Adsorption characteristics of MWNTs via intercalation of nickel. Materials Today: Proceedings, 2021, 38, 1233-1236.	1.8	1
32352	Inorganic-polymer composite coatings for biomedical devices. Smart Materials in Medicine, 2021, 2, 1-14.	6.7	32

#	ARTICLE	IF	CITATIONS
32353	Recent Advances in Carbon Nanotube Utilizations in Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2004765.	14.9	37
32354	Polarization as a new parameter determining the laser-induced dynamics of carbon nanotubes studied by ab initio simulations. <i>Carbon</i> , 2021, 172, 372-378.	10.3	1
32355	Carbonization of phloroglucinol promoted by heteropoly acids. <i>Journal of Materials Science</i> , 2021, 56, 2944-2960.	3.7	11
32356	Starting monomer of graphdiyneâ€“hexakis[(trimethylsilyl)ethynyl]benzene: a superior nonlinear absorption material. <i>Journal of Materials Science</i> , 2021, 56, 3653-3662.	3.7	8
32357	Advanced Anode Materials of Potassium Ion Batteries: from Zero Dimension to Three Dimensions. <i>Nano-Micro Letters</i> , 2021, 13, 12.	27.0	121
32358	How nanoparticles have ameliorated the challenges in drilling operations. <i>Journal of Petroleum Science and Engineering</i> , 2021, 197, 107931.	4.2	11
32359	Graphdiyne as a saturable absorber for 2-Âµm all-solid-state Q-switched laser. <i>Science China Materials</i> , 2021, 64, 683-690.	6.3	15
32360	A comprehensive analysis of auxetic honeycomb sandwich plates with graphene nanoplatelets reinforcement. <i>Composite Structures</i> , 2021, 259, 113213.	5.8	49
32361	Breakage of carbon nanotube agglomerates within polypropylene matrix by solid phase die drawing. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49742.	2.6	2
32362	TMR Al12N12 molecule by considering the effect of temperature. <i>Indian Journal of Physics</i> , 2021, 95, 1131-1140.	1.8	3
32363	Two-different ways of synthesis for EG: Study of mechanical, thermal, and electrical properties of epoxy composite for TIMs. <i>High Performance Polymers</i> , 2021, 33, 127-145.	1.8	1
32364	Recent Advances in Functionalized Nanoporous Carbons Derived from Waste Resources and Their Applications in Energy and Environment. <i>Advanced Sustainable Systems</i> , 2021, 5, .	5.3	49
32365	Solubilization, characterization, and protein coupling analysis to multiwalled carbon nanotubes. <i>High Performance Polymers</i> , 2021, 33, 338-344.	1.8	1
32366	Netâ€“18: A Predicted Twoâ€“Dimensional Planar Carbon Allotrope and Potential for an Anode in Lithiumâ€“ion Battery. <i>Energy and Environmental Materials</i> , 2021, 4, 458-464.	12.8	11
32367	Environmental Remediation Through Carbon Based Nano Composites. <i>Green Energy and Technology</i> , 2021, , .	0.6	10
32368	Cellulose/carbon Composites and their Applications in Water Treatment â€“ a Review. <i>Chemical Engineering Journal</i> , 2021, 405, 126980.	12.7	108
32369	Waste plastics recycling for producing high-value carbon nanotubes: Investigation of the influence of Manganese content in Fe-based catalysts. <i>Journal of Hazardous Materials</i> , 2021, 402, 123726.	12.4	49
32370	The effect of 3-(triethoxy silyl) propyl amine concentration on surface modification of multiwall carbon nanotubes. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 74-82.	2.1	11

#	ARTICLE	IF	CITATIONS
32371	Microinjection molding of polyoxymethylene/multiwalled carbon nanotubes composites with different matrix viscosities. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49817.	2.6	9
32372	Investigation of silicone rubber composites reinforced with carbon nanotube, nanographite, their hybrid, and applications for flexible devices. <i>Journal of Vinyl and Additive Technology</i> , 2021, 27, 254-263.	3.4	30
32373	A new numerical approach for low velocity impact response of multiscale-reinforced nanocomposite plates. <i>Engineering With Computers</i> , 2021, 37, 713-730.	6.1	17
32374	Carbon nanotube/layered double hydroxide nanocomposite as a fibre coating for determination the essential oils of <i>Achillea eriophora</i> DC with the headspace solid-phase microextraction. <i>Natural Product Research</i> , 2021, 35, 1217-1220.	1.8	5
32375	Determination of carbon nanotubes size-dependent parameters: molecular dynamics simulation and nonlocal strain gradient continuum shell model. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 103-120.	4.7	33
32376	Investigation of highly interaction effect between ferric chloride and methyl ammine-carbon nanotubes to remove turbidity from surface water. <i>International Journal of Environmental Analytical Chemistry</i> , 2021, 101, 1310-1319.	3.3	0
32377	Use of nanomaterial for asphalt binder and mixtures: a comprehensive review on development, prospect, and challenges. <i>Road Materials and Pavement Design</i> , 2021, 22, 492-538.	4.0	26
32378	An ultra-thin printable nanocomposite sensor network for structural health monitoring. <i>Structural Health Monitoring</i> , 2021, 20, 894-903.	7.5	14
32379	Stability analysis of an axially moving nanocomposite circular cylindrical shell with time-dependent velocity in thermal environments. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 659-688.	4.7	11
32380	Thermal instability and dynamic response analysis of a tensioned carbon nanotube under moving uniformly distributed external pressure. <i>Nano Materials Science</i> , 2021, 3, 75-88.	8.8	6
32381	Facile coating of carbon nanotubes by different resins for enhancing mechanical, electrical properties and adhesion strength of NR/Nylon 66 systems. <i>Journal of Adhesion</i> , 2021, 97, 801-820.	3.0	9
32382	A review featuring the fundamentals and advancements of polymer/CNT nanocomposite application in aerospace industry. <i>Polymer Bulletin</i> , 2021, 78, 539-557.	3.3	52
32383	Carbon Nanomaterials Synthesis-Based Recycling. <i>Topics in Mining, Metallurgy and Materials Engineering</i> , 2021, , 419-442.	1.6	0
32384	3D printing of nanomaterials using inkjet printing. , 2021, , 155-192.		2
32385	Low reflectance of carbon nanotube and nanoscroll-based thin film coatings: a case study. <i>Nanoscale Advances</i> , 2021, 3, 3184-3198.	4.6	7
32386	Introduction, History, and Origin of Two Dimensional (2D) Materials. <i>Materials Horizons</i> , 2021, , 1-9.	0.6	4
32387	Recent progress of CNTs reinforcement with metal matrix composites using friction stir processing. <i>Materials Today: Proceedings</i> , 2021, 44, 1731-1738.	1.8	10
32388	Graphene Nanoparticle-Based, Nitrate Ion Sensor Characteristics. <i>Nanomaterials</i> , 2021, 11, 150.	4.1	6

#	ARTICLE	IF	CITATIONS
32389	Experimental investigation on surface roughness and circularity error during drilling of polymer nanocomposites. <i>Materials Today: Proceedings</i> , 2021, 44, 2501-2506.	1.8	5
32390	CHAPTER 5. Biological Applications of Magnetically Empowered Carbon Nanotubes. <i>RSC Nanoscience and Nanotechnology</i> , 2021, , 153-183.	0.2	0
32391	Influence of laser radiation on carbon nanotubes for the formation of frame materials in bioelectronics. <i>Journal of Physics: Conference Series</i> , 2021, 1758, 012012.	0.4	0
32392	Titanates Nanotubes and Nanoribbons Applied in Dye-Sensitized Solar Cells. <i>Materials Horizons</i> , 2021, , 339-373.	0.6	1
32393	Applications of Nanomaterials in Biomedical Engineering. <i>Environmental and Microbial Biotechnology</i> , 2021, , 51-86.	0.7	0
32394	Governing parameters for pull-out of carbon nanotubes from aluminium composites: A review. <i>Materials Today: Proceedings</i> , 2021, 44, 4827-4832.	1.8	1
32395	Adsorption enhancement of nitrogen gas by atomically heterogeneous nanospace of boron nitride. <i>RSC Advances</i> , 2021, 11, 838-846.	3.6	2
32396	Effect of pyrolysis temperature on the synthesis of high-quality MWCNTs by CVD method. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 975, 012001.	0.6	0
32397	Kinetics of Carbon Nanotubes and Graphene Growth on Iron and Steel: Evidencing the Mechanisms of Carbon Formation. <i>Nanomaterials</i> , 2021, 11, 143.	4.1	8
32398	Development of Electrochemical HRP-MWCNT-Based Screen-Printed Biosensor for the Determination of Phenolic Compounds in Effluent from Washing Coffee Beans. <i>Revista Virtual De Quimica</i> , 2021, 13, 43-60.	0.4	3
32399	High Yield Super-Hydrophobic Carbon Nanomaterials Using Cobalt/Iron Co-Catalyst Impregnated on Powder Activated Carbon. <i>Processes</i> , 2021, 9, 134.	2.8	2
32400	Yerel EÄYrillikli DÄ¶rt DuvarlÄ± Karbon NanotÄ¼plerde Lineer Durumda Gerilme DaÄYÄ±lÄ±mÄ±. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
32401	Bistability induced by a spontaneous twisting rate for a two-dimensional intrinsically curved filament. <i>Physical Review E</i> , 2021, 103, 012410.	2.1	1
32402	Carbon Nanomaterials for Neuronal Tissue Engineering. <i>RSC Nanoscience and Nanotechnology</i> , 2021, , 184-222.	0.2	0
32403	Graphene Nanomaterials for Multi-modal Bioimaging and Diagnosis of Cancer. , 2021, , 69-93.		0
32404	Introduction and Brief History. , 2021, , 1-22.		0
32405	Magnetic and geometric effects on the electronic transport of metallic nanotubes. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	2
32406	Importance and emergence of advanced materials in energy industry. , 2021, , 1-25.		3

#	ARTICLE	IF	CITATIONS
32407	Role of Advance Carbon Materials in the New Paradigm of Energy and Environment. Green Energy and Technology, 2021, , 287-308.	0.6	0
32408	Broad spectrum application of nanotechnology for wastewater treatment. , 2021, , 715-738.		0
32409	Scanning Tunneling Microscopy (STM) Imaging of Carbon Nanotropes: C60, CNT and Graphene. Advances in Sustainability Science and Technology, 2021, , 47-75.	0.6	1
32410	Carbon Nanomaterials for Emerging Electronic Devices and Sensors. Advances in Sustainability Science and Technology, 2021, , 215-258.	0.6	0
32411	Highly Ordered TiO2 Nanotube Arrays with Engineered Electrochemical Energy Storage Performances. Materials, 2021, 14, 510.	2.9	13
32412	Natural Materials“Interesting Candidates for Carbon Nanomaterials. Physchem, 2021, 1, 4-25.	1.1	2
32413	Manufacturing Techniques for Carbon Nanotubes, Gold Nanoparticles, and Silver Nanoparticles. , 2021, , 397-420.		1
32414	Reduction of residual stresses in polymer composites using nano-additives. , 2021, , 381-402.		0
32415	The role of multifunctional nanomaterials in the remediation of textile wastewaters. , 2021, , 95-136.		2
32416	Performance analysis of copper-based MWCNT composite coated 316L SS tool in electro discharge machining. Machining Science and Technology, 2021, 25, 422-437.	2.5	9
32417	Coefficient of Thermal Expansion of Single-Wall Carbon Nanotube Reinforced Nanocomposites. Journal of Composites Science, 2021, 5, 26.	3.0	1
32418	Electrical conductivity and electromagnetic shielding performance of glass fiber-reinforced epoxy composites with multiwalled carbon nanotube buckypaper interlayer. Journal of Materials Science: Materials in Electronics, 2021, 32, 1962-1976.	2.2	12
32419	Novel Nanofluidic Cells Based on Nanowires and Nanotubes for Advanced Chemical and Bio-Sensing Applications. Nanomaterials, 2021, 11, 90.	4.1	10
32420	Fabrication and Characterization of Graphene with Few Layers Based on Electrode Exchange Stripping Technology. Material Sciences, 2021, 11, 562-570.	0.0	0
32421	A Fuzzy Logic Based Piezoresistive/Piezoelectric Fusion Algorithm for Carbon Nanocomposite Wide Band Strain Sensor. IEEE Access, 2021, 9, 14752-14764.	4.2	3
32422	Effect of functionalization on the electrochemical behavior of multi-walled carbon nanotube and parafilm nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 643-655.	2.1	3
32423	Connecting Fullerenes with Carbon Nanotubes and Graphene. , 2021, , 1-6.		0
32424	Recent advances in magnetic carbon nanotubes: synthesis, challenges and highlighted applications. Journal of Materials Chemistry B, 2021, 9, 9076-9099.	5.8	29

#	ARTICLE	IF	CITATIONS
32425	Latex-Based Carbon Nanotube Composites. , 2021, , 1-24.		1
32426	An Overview of Nanomaterials for Water Technology. , 2021, , 105-114.		0
32427	Advances in Carbon-Based Nanocomposites for Deep Adsorptive Desulfurization. , 2021, , 1809-1831.		0
32428	Engineering the Architecture of 3D Graphene-based Macrostructures. Chemistry in the Environment, 2021, , 1-40.	0.4	1
32429	3D Graphene-based Macroassemblies for On-site Detection of Environmental Contaminants. Chemistry in the Environment, 2021, , 367-383.	0.4	0
32430	Rylene- and diaza-rylene-derived cobalt clusters for solid-state pyrolysis towards undoped and N-doped carbon nanoparticles. Dalton Transactions, 2021, 50, 14374-14383.	3.3	0
32431	Photoswitchable Molecular Glue for Carbon Nanotubes Reversibly Controls Electronic Mobility with Light. ACS Applied Electronic Materials, 2021, 3, 309-315.	4.3	8
32432	Functionalized Carbon Nanotubes-Based Electrospun Nano-Fiber Composite and Its Applications for Environmental Remediation. Springer Series on Polymer and Composite Materials, 2021, , 353-376.	0.7	0
32433	Production of novel carbon nanostructures by electrochemical reduction of polychlorinated organic rings under mild conditions for supercapacitors. New Journal of Chemistry, 2021, 45, 14765-14778.	2.8	4
32434	Hygrothermal environment effect on the critical buckling load of FGP microbeams with initial curvature integrated by CNT-reinforced skins considering the influence of thickness stretching. Nanotechnology Reviews, 2021, 10, 1140-1156.	5.8	9
32435	An approach to effectively improve the interfacial bonding of nano-perfused composites by <i>in situ</i> growth of CNTs. Nanotechnology Reviews, 2021, 10, 282-291.	5.8	5
32436	Porous Characteristics of Three-Dimensional Disordered Graphene Networks. Crystals, 2021, 11, 127.	2.2	9
32437	Formation and topological structure of three-dimensional disordered graphene networks. Physical Chemistry Chemical Physics, 2021, 23, 10290-10302.	2.8	15
32438	Control of hydrogen release during borohydride electrooxidation with porous carbon materials. RSC Advances, 2021, 11, 15639-15655.	3.6	9
32440	Nanostructured Materials for Glycan Based Applications. , 2021, , 473-505.		0
32441	Application of Carbon Nanotube in Targeted Drug Delivery System. Advances in Intelligent Systems and Computing, 2021, , 493-498.	0.6	0
32442	Manufacturing Graphene and Graphene-based Nanocomposite for Piezoelectric Pressure Sensor Application: A Review. Nano Biomedicine and Engineering, 2021, 13, .	0.9	6
32443	Combined effect of carbon nanotubes distribution and orientation on functionally graded nanocomposite beams using finite element analysis. Materials Research Express, 2021, 8, 015012.	1.6	4

#	ARTICLE	IF	CITATIONS
32444	Position effects of the graphene-origami actuators on the rotation of a CNT nanomotor. Physical Chemistry Chemical Physics, 2021, 23, 18893-18898.	2.8	4
32445	Membrane Preparation. Lecture Notes in Nanoscale Science and Technology, 2021, , 33-87.	0.8	0
32446	Soft-chemistry synthesis, solubility and interlayer spacing of carbon nano-onions. RSC Advances, 2021, 11, 6850-6858.	3.6	14
32448	Nanotechnology for hydrogen storage. , 2021, , 301-331.		0
32449	Toxicity of poly-dispersed single-walled carbon nanotubes on bone marrow derived Hematopoietic Stem and Progenitor Cells. Current Research in Toxicology, 2021, 2, 82-92.	2.7	2
32450	Nano-scale and Atomistic-Scale Modeling of Advanced Materials. , 2021, , 555-577.		0
32451	Membrane Modification. Lecture Notes in Nanoscale Science and Technology, 2021, , 135-170.	0.8	3
32452	Potentiometric Study of Carbon Nanotube/Surfactant Interactions by Ion-Selective Electrodes. Driving Forces in the Adsorption and Dispersion Processes. International Journal of Molecular Sciences, 2021, 22, 826.	4.1	10
32453	Vibration analysis of MWCNT reinforced multi-layered sandwich composite structures with corrugated cores - an experimental study. AIP Conference Proceedings, 2021, , .	0.4	0
32454	Can T-carbon serve as a Li storage material and a Li battery anode?. Materials Advances, 0, , .	5.4	1
32455	Possibility of Using Carbon Nanotubes in Water and Wastewater Treatment. , 2021, , 314-325.		0
32456	Poly(methyl methacrylate)-Based Composite Bone Cements With Different Types of Reinforcement Agents. , 2021, , 867-886.		0
32457	Thermo-chemical conversion of carbonaceous wastes for CNT and hydrogen production: a review. Sustainable Energy and Fuels, 2021, 5, 4173-4208.	4.9	33
32458	Contact Damage Resistance and Tribological Behavior of Ceramic/Carbon Nanostructure Composites. , 2021, , 733-744.		0
32459	Ceramic Matrix Graphene and Carbon Nanotube Composites. , 2021, , 243-259.		1
32460	Reduced Graphene Oxide Photodetector Devices for Infra-Red Sensing. Advances in Sustainability Science and Technology, 2021, , 349-369.	0.6	1
32461	Synthesis of Carbon Allotropes in Nanoscale Regime. Advances in Sustainability Science and Technology, 2021, , 9-46.	0.6	2
32462	Conceptual density functional theory and aromaticity. , 2021, , 285-319.		1

#	ARTICLE	IF	CITATIONS
32463	Nanomaterials, nanofillers, and nanocomposites: types and properties. , 2021, , 3-37.		9
32465	Fabrication of carbon nanotube reinforced aluminum alloy composites by vacuum-assisted infiltration technique. Journal of Composite Materials, 2021, 55, 2225-2235.	2.4	2
32466	Structural and electronic properties of FeCl ₃ and CrO ₃ interacting with GaP nanotubes from DFT calculations. New Journal of Chemistry, 2021, 45, 9483-9490.	2.8	1
32467	Functionalized carbon nanotubes: synthesis, properties and applications in water purification, drug delivery, and material and biomedical sciences. Nanoscale Advances, 2021, 3, 5722-5744.	4.6	118
32468	Basic concepts and processing of nanostructures materials. , 2021, , 1-32.		1
32469	Mechanistic Investigations of Growth of Anisotropic Nanostructures in Reverse Micelles. ACS Omega, 2021, 6, 1007-1029.	3.5	13
32470	FEM micromechanical modeling of nanocomposites with carbon nanotubes. Reviews on Advanced Materials Science, 2021, 60, 342-351.	3.3	7
32471	On the Partition Dimension of Tri-Hexagonal 1±-Boron Nanotube. IEEE Access, 2021, 9, 55644-55653.	4.2	42
32472	Vibration analysis of carbon nanotube reinforced composite microbeams. Mathematical Methods in the Applied Sciences, 0, , .	2.3	68
32473	Carbon Nanomaterials. , 2021, , 784-809.		1
32474	State-of-the-art developments in carbon-based metal nanocomposites as a catalyst: photocatalysis. Nanoscale Advances, 2021, 3, 1887-1900.	4.6	51
32475	PbO ₂ modified with TiO ₂ -NTs composite materials with enhanced OER electrocatalytic activity for Zn electrowinning. RSC Advances, 2021, 11, 6146-6158.	3.6	10
32476	Nano-conductive Adhesives for Nano-electronics Interconnection. , 2021, , 15-30.		0
32477	Zebrafish Models of Nanotoxicity: A Comprehensive Account. Nanotechnology in the Life Sciences, 2021, , 53-72.	0.6	0
32478	POSS-based hybrid nanocomposites. , 2021, , 205-216.		0
32479	Cytotoxicity assessment of antibiotics on Ctenopharyngodon idellus kidney cells by a sensitive electrochemical method. Environmental Science and Pollution Research, 2021, 28, 21174-21182.	5.3	7
32480	The rise of carbon materials for field emission. Journal of Materials Chemistry C, 2021, 9, 2620-2659.	5.5	28
32481	Antimicrobial activities of nanomaterials in wastewater treatment: A case study of graphene-based nanomaterials. , 2021, , 1009-1038.		0

#	ARTICLE	IF	CITATIONS
32482	Carbocatalysis with pristine graphite: on-surface nanochemistry assists solution-based catalysis. Chemical Society Reviews, 2021, 50, 2280-2296.	38.1	14
32483	Advancement in Carbon Nanotubes: Processing Techniques, Purification and Industrial Applications. , 2021, , 309-337.		0
32484	Nanomaterials Based Nanoplasmonic Accelerators and Light-Sources Driven by Particle-Beams. IEEE Access, 2021, 9, 54831-54839.	4.2	6
32485	Carbon-based Nanomaterials and Curcumin: A Review of Biosensing Applications. Advances in Experimental Medicine and Biology, 2021, 1291, 55-74.	1.6	5
32486	Optimization of Mass Flow in the Synthesis of Ferromagnetic Carbon Nanotubes in Chemical Vapor Deposition System. Materials, 2021, 14, 612.	2.9	1
32487	Curvature-induced bandgap reduction in TiO ₂ double-walled nanotubes. Journal of Applied Physics, 2021, 129, 024303.	2.5	0
32488	Dynamics of Carbon Nanotube Chains Residing on Flat Substrates. Physics of the Solid State, 2021, 63, 145-153.	0.6	2
32489	Impact of Topological Edge Defects on Spin Transport Properties of Zigzag Graphene Nanoribbons. Physica Status Solidi (B): Basic Research, 2021, 258, 2000538.	1.5	2
32490	Effects of Tin on the Morphological and Electrochemical Properties of Arc-Discharge Nanomaterials. Jom, 2021, 73, 847-855.	1.9	5
32491	Sensing Materials: Nanomaterials Definition. , 2021, , .		1
32492	Nanoparticle Drug Delivery: An Advanced Approach for Highly Competent and Multifunctional Therapeutic Treatment. , 2021, , 183-193.		0
32493	Application of Carbon-Based Nanomaterials for Removal of Hydrocarbons. , 2021, , 205-227.		2
32495	Ultrasound accelerated near-edge functionalized heterogeneous graphene oxide sonocatalyst for surface optical bandwidth efficacy and <i>in situ</i> sonothermocatalysis. New Journal of Chemistry, 2021, 45, 5463-5483.	2.8	6
32496	Nanomaterialyallerin Kompozit Malzemelerin Radyasyon ZÄ±rlama Ä–zelliklerine Etkisinin Ä°ncelenmesi. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	3
32497	Friction and wear properties of carbon nanotube-reinforced polymer composites. , 2021, , 223-240.		7
32498	Space-confined CVD growth of 2D-MoS ₂ crystals with tunable dimensionality <i>via</i> adjusting growth conditions. CrystEngComm, 2021, 23, 1345-1351.	2.6	15
32499	Monte Carlo Study of Magnetization Plateaus of a Bi-Layer Graphyne-Like Structure. Integrated Ferroelectrics, 2021, 213, 146-157.	0.7	12
32500	Hybrid Magnetic nanoparticlesâ€“Carbonaceous nanomaterials (carbon nanotube/graphene). , 2021, , 121-138.		3

#	ARTICLE	IF	CITATIONS
32501	Interfacial photoinduced carrier dynamics tuned by polymerization of coronene molecules encapsulated in carbon nanotubes: bridging type-I and type-II heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13503-13511.	2.8	7
32502	Design of Graphene/CNT-based Nanocomposites: A Stepping Stone for Energy-related Applications. , 2021, , 77-98.		0
32503	Clusters of Fullerenes. , 2021, , 197-230.		0
32504	Preparation of Ultra-Thin Sandwich Cu-Cu/CNTs-Cu Composite Foil With High Tensile Strength by Electrodeposition. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
32505	Metrological and tribological characteristics of carbon based nanotube. <i>Materials Today: Proceedings</i> , 2021, 45, 6393-6399.	1.8	3
32506	Graphitic carbon nitride-based metal-free photocatalyst. , 2021, , 449-484.		1
32507	Behavior of Polybenzoxazine Composites Reinforced with Modified Carbon Nanotubes. <i>Fibers and Polymers</i> , 2021, 22, 442-450.	2.1	3
32508	Plasticity Improvement of CNTs/Mg Nanocomposite Materials Processed by Combining Friction Stir Processing and Ultrasonic-Assisted Extrusion. <i>Minerals, Metals and Materials Series</i> , 2021, , 2221-2230.	0.4	0
32509	Carbon-based nanomaterials for concrete applications. , 2021, , 105-125.		0
32510	Nanomaterials and Nanocomposites: Classification and Toxicity. , 2021, , 3-39.		0
32511	Electrocatalysis in confined spaces: interplay between well-defined materials and the microenvironment. <i>Nanoscale</i> , 2021, 13, 1515-1528.	5.6	18
32512	Edge Weight Based Entropy of Different Topologies of Carbon Nanotubes. <i>IEEE Access</i> , 2021, 9, 102019-102029.	4.2	20
32513	Enhancing the reinforcing efficiency in CNT nanocomposites <i>via</i> the development of pyrene-based active dispersants. <i>RSC Advances</i> , 2021, 11, 23892-23900.	3.6	3
32514	Synthesis and Characterization of Multi-walled Carbon Nanotube from Pine Oil and Their Impact on Carbon Fibre Reinforced Epoxy Hybrid Nanocomposite. <i>Journal of Environmental Nanotechnology</i> , 2021, 10, 10-15.	0.3	0
32515	Iron nanoparticle surface treatment of carbon nanotubes to increase fatigue strength of steel composites. <i>Nanocomposites</i> , 2021, 7, 132-140.	4.2	3
32516	Geodesic Phenine Frameworks. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 281-294.	3.2	20
32517	Nanoparticles as flame retardants in polymer materials: mode of action, synergy effects, and health/environmental risks. , 2021, , 375-415.		1
32519	Carbon nanomaterials to combat virus: A perspective in view of COVID-19. <i>Carbon Trends</i> , 2021, 2, 100019.	3.0	23

#	ARTICLE	IF	CITATIONS
32520	Nanoparticles for Degradation of Organic Pollutants. , 2021, , 1184-1210.		0
32521	Facile Fabrication of a Stretchable and Flexible Nanofiber Carbon Film-Sensing Electrode by Electrospinning and Its Application in Smart Clothing for ECG and EMG Monitoring. ACS Applied Electronic Materials, 2021, 3, 676-686.	4.3	59
32522	Imidazole-graphyne: a new 2D carbon nitride with a direct bandgap and strong IR refraction. Physical Chemistry Chemical Physics, 2021, 23, 10274-10280.	2.8	4
32523	Gas hydrates in confined space of nanoporous materials: new frontier in gas storage technology. Nanoscale, 2021, 13, 7447-7470.	5.6	28
32524	A theoretical study on the electronic, structural and optical properties of armchair, zigzag and chiral silicon-germanium nanotubes. Physical Chemistry Chemical Physics, 2021, 23, 13075-13086.	2.8	2
32525	A mixed ion-electron conducting carbon nanotube ionogel to efficiently harvest heat from both a temperature gradient and temperature fluctuation. Journal of Materials Chemistry A, 2021, 9, 13588-13596.	10.3	22
32526	Fundamentals of Nanocarriers and Drug Targeting. , 2021, , 3-42.		1
32527	Titanium dioxide nanotubes: synthesis, structure, properties and applications. Russian Chemical Reviews, 2021, 90, 1397-1414.	6.5	21
32528	Recent developments in chemical energy storage. , 2021, , 447-494.		2
32529	Physical Properties and Mechanical Behavior of Carbon Nano-tubes (CNTs) and Carbon Nano-fibers (CNFs) as Thermal Interface Materials (TIMs) for High-Power Integrated Circuit (IC) Packages: Review and Extension. , 2021, , 137-156.		0
32530	Stimulus-responsive gold nanotheranostic platforms for targeting the tumor microenvironment. , 2021, , 201-232.		31
32531	Gas chromatographic analysis of wine. , 2021, , 807-833.		0
32532	Numerical computation of CNTs water based nanofluid flow with heat generation/absorption past an oscillating vertical plate with variable temperature. AIP Conference Proceedings, 2021, , .	0.4	1
32533	Design and development of polyaniline/nanocarbon nanocomposites. , 2021, , 77-102.		0
32534	Modeling and Simulation of Nano-Structured 2D Materials. Materials Horizons, 2021, , 183-196.	0.6	0
32535	Graphene-Based Nanocomposites for Renewable Energy Application. , 2021, , 929-963.		0
32536	Catalyst Materials for Oxygen Reduction Reaction. , 2021, , 85-182.		0
32537	Molecular Imprinted Nanocomposites for Green Chemistry. Materials Horizons, 2021, , 571-598.	0.6	0

#	ARTICLE	IF	CITATIONS
32538	Studies on structural MWCNT/epoxy nanocomposites for EMI shielding applications. IOP Conference Series: Materials Science and Engineering, 2021, 1009, 012046.	0.6	7
32539	Tacticity-dependent cross-plane thermal conductivity in molecularly engineered amorphous polymers. Polymer Chemistry, 2021, 12, 975-982.	3.9	5
32540	The Synthesis of Conical Carbon. Small Methods, 2021, 5, 2001086.	8.6	2
32541	Carbon Nanostructures and Polysaccharides for Biomedical Materials. RSC Nanoscience and Nanotechnology, 2021, , 98-152.	0.2	0
32542	Carbon-based nanomaterials for wastewater treatment. , 2021, , 367-384.		1
32544	Carbonaceous nanocomposites for supercapattery. , 2021, , 93-110.		1
32545	Layered double hydroxide as electrode material for high-performance supercapattery. , 2021, , 199-254.		3
32546	Synaptic transistors and neuromorphic systems based on carbon nano-materials. Nanoscale, 2021, 13, 7498-7522.	5.6	28
32547	Nanomaterial-Incorporated Polymer Composites for Industrial Effluent: From Synthesis to Application. , 2021, , 998-1012.		0
32548	Theoretical and Computational Investigations of Carbon Nanostructures. Advances in Sustainability Science and Technology, 2021, , 139-164.	0.6	0
32549	Carbon Nanotube Field-Effect Transistors (CNFETs): Structure, Fabrication, Modeling, and Performance. Advances in Sustainability Science and Technology, 2021, , 199-214.	0.6	1
32550	Machine learning methods for multi-walled carbon nanotubes (MWCNT) genotoxicity prediction. Nanoscale Advances, 2021, 3, 3167-3176.	4.6	20
32551	WS2 nanotubes dressed in gold and silver: Synthesis, optoelectronic properties, and NO2 sensing. AIP Conference Proceedings, 2021, , .	0.4	0
32552	Advances of CNT-based systems in thermal management. Nano Research, 2021, 14, 2471-2490.	10.4	34
32553	Geopolymer composites modified with nanomaterials. , 2021, , 25-51.		1
32554	Mechanical and electrical properties of MWCNTs - high early strength cement - mortars composite: Dispersion of CNTs and effect of chemical admixtures. Anais Da Academia Brasileira De Ciencias, 2021, 93, e20200924.	0.8	4
32555	Carbon Capture: Innovation for a Green Environment. Energy, Environment, and Sustainability, 2021, , 11-31.	1.0	1
32556	Biocompatibility and biomedical applications of various carbon-based materials. , 2021, , 829-875.		3

#	ARTICLE	IF	CITATIONS
32557	Recent advancements in transparent carbon nanotube films: chemistry and imminent challenges. Journal of Nanostructure in Chemistry, 2021, 11, 93-130.	9.1	35
32558	Developments in Nanoadsorbents for the Treatment of Arsenic-Contaminated Water. , 2021, , 325-361.		2
32559	A comprehensive review on the dispersion and survivability issues of carbon nanotubes in Al/CNT nanocomposites fabricated via friction stir processing. Carbon Letters, 2021, 31, 339-370.	5.9	23
32560	Modern Approaches to Augmenting the Brain Functions. Contemporary Clinical Neuroscience, 2021, , 57-89.	0.3	0
32561	Newly discovered graphyne allotrope with rare and robust Dirac node loop. Nanoscale, 2021, 13, 3564-3571.	5.6	33
32562	Graphene-based metal matrix nanocomposites: Recent development and challenges. Journal of Composite Materials, 2021, 55, 2369-2413.	2.4	26
32563	Transverse wave propagation in viscoelastic single-walled carbon nanotubes with surface effect based on nonlocal second-order strain gradient elasticity theory. Microsystem Technologies, 2021, 27, 3801-3810.	2.0	3
32564	Inorganic nanotubes for water treatment through adsorption and photocatalytic degradation. , 2021, , 417-429.		0
32565	Transport properties of nanoscopic solids as probed by spectroscopic techniques. , 2021, , 9-37.		0
32566	How Single-Walled Carbon Nanotubes are Transformed into Multiwalled Carbon Nanotubes during Heat Treatment. ACS Omega, 2021, 6, 4074-4079.	3.5	7
32567	Synthesis and characterization of Ni/Zn dually doped on multiwalled carbon nanotubes and its application for the degradation of dicofol. Materials Today: Proceedings, 2021, 44, 2760-2766.	1.8	5
32568	A futuristic insight into a "nano-doctor": A clinical review on medical diagnosis and devices using nanotechnology. Materials Today: Proceedings, 2021, 44, 1144-1153.	1.8	14
32569	An electrochemical sensor based on an anti-fouling membrane for the determination of histamine in fish samples. Analytical Methods, 2021, 13, 685-694.	2.7	21
32570	Potential Applications of Nanomaterials in Wastewater Treatment. , 2021, , 1230-1240.		5
32571	Carbon-based SERS biosensor: from substrate design to sensing and bioapplication. NPG Asia Materials, 2021, 13, .	7.9	143
32572	Carbon based materials: a review of adsorbents for inorganic and organic compounds. Materials Advances, 2021, 2, 598-627.	5.4	232
32573	Recycling the Plastic Wastes to Carbon Nanotubes. Topics in Mining, Metallurgy and Materials Engineering, 2021, , 701-727.	1.6	36
32574	Rheological Properties of Hybrid Nanocomposites Based on Graphene and Other Nanoparticles. Composites Science and Technology, 2021, , 283-312.	0.6	1

#	ARTICLE	IF	CITATIONS
32575	Response Evaluation of cntTSP for Detection of Dynamic Boundary Layer Transition in Low-Speed Wind Tunnel. , 2021, , .		2
32576	Applications of Carbon Nanomaterials as Electrical Interconnects and Thermal Interface Materials. , 2021, , 31-60.		0
32577	Biomedical Applications of Carbon-Based Nanomaterials. Springer Series in Biomaterials Science and Engineering, 2021, , 157-174.	1.0	1
32578	Carbon Nanomaterials for Biomedical Application. Advances in Experimental Medicine and Biology, 2021, 1309, 257-276.	1.6	4
32579	Nanostructures Obtained with Plasma Discharge Processes. Monographs in Electrochemistry, 2021, , 511-525.	0.2	0
32580	Ceramic Matrix Composites With Carbon Nanophases: Development, Structure, Mechanical and Tribological Properties and Electrical Conductivity. , 2021, , 116-133.		4
32581	Enhanced Lubrication Ability of Polyalphaolefin and Polypropylene Glycol by COOH-Functionalized Multiwalled Carbon Nanotubes as an Additive. Journal of Materials Engineering and Performance, 2021, 30, 1075-1089.	2.5	11
32582	Stability of the Photocatalytic Activity of TiO2 Deposited by Reactive Sputtering. Materials Research, 2021, 24, .	1.3	4
32583	General Remarks of Soft-Matter Nanotubes. Nanostructure Science and Technology, 2021, , 1-58.	0.1	1
32584	Synthesis, characterization, and applications of graphene quantum dots. , 2021, , 247-297.		0
32585	Fullerenes and their applications. , 2021, , 19-158.		2
32586	Morphology-correlated mechanical properties of ionic liquid-modified multiwalled carbon nanotubes/poly(vinyl chloride) nanocomposites. , 2021, , 119-142.		0
32588	Water distribution in confined space of single-wall carbon nanotube. Wuli Xuebao/Acta Physica Sinica, 2021, .	0.5	2
32589	Tailored growth of high-quality CsPbI ₃ nanobelts. Journal of the American Ceramic Society, 2021, 104, 2358-2365.	3.8	1
32590	Thermoelectric Properties of B12N12 Molecule. Current Nanoscience, 2021, 16, 936-944.	1.2	2
32591	Bandgap-Coupled Template Autocatalysis toward the Growth of High-Purity sp ² Nanocarbons. Advanced Science, 2021, 8, 2003078.	11.2	8
32592	Preparation and Characterization of Electrically Conductive Polymer Nanocomposites with Different Carbon Nanoparticles. , 0, , .		2
32593	Anhydride Grafting on Carbon Nanotubes Using Ultrasound and its Effect on Polypropylene Nanocomposite Properties. Polymer-Plastics Technology and Materials, 2021, 60, 1066-1083.	1.3	0

#	ARTICLE	IF	CITATIONS
32594	Fabrication of carbon nanotubes/Cu composites with orthotropic mechanical and tribological properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 804, 140788.	5.6	21
32595	Carbon Nanomaterials Embedded in Conductive Polymers: A State of the Art. <i>Polymers</i> , 2021, 13, 745.	4.5	32
32596	A novel quadrilateral element for analysis of functionally graded porous plates/shells reinforced by graphene platelets. <i>Archive of Applied Mechanics</i> , 2021, 91, 2435-2466.	2.2	17
32597	Analysis of the nature of interaction between AlN nanocage and ibuprofen using quantum chemical study. <i>Structural Chemistry</i> , 2021, 32, 1685-1692.	2.0	8
32598	Oxygen Gas and UV Barrier Properties of Nano-ZnO-Coated PET and PHBHx Materials Fabricated by Ultrasonic Spray-Coating Technique. <i>Nanomaterials</i> , 2021, 11, 449.	4.1	9
32599	Green Silver Nanoparticles: Recent Trends and Technological Developments. <i>Journal of Polymers and the Environment</i> , 2021, 29, 2711-2737.	5.0	20
32600	Simultaneous enhancement of dispersion and interfacial adhesion in Al matrix composites reinforced with nanoceramic-decorated carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 804, 140784.	5.6	11
32601	Theoretical Framework for Encapsulation of Inorganic B ₁₂ N ₁₂ Nanoclusters with Alkaline Earth Metals for Efficient Hydrogen Adsorption: A Step Forward toward Hydrogen Storage Materials. <i>Inorganic Chemistry</i> , 2021, 60, 2816-2828.	4.0	43
32603	Coal based carbon dots: Recent advances in synthesis, properties, and applications. <i>Nano Select</i> , 2021, 2, 1589-1604.	3.7	24
32604	Graphene Nanoplatelets/Chitosan-Modified Electrochemical Immunosensor for the Label-Free Detection of Haptoglobin. <i>IEEE Sensors Journal</i> , 2021, 21, 4176-4183.	4.7	9
32605	Facile tuning of carbon nanotube morphologies via residual carbon control during catalyst preparation stage. <i>Carbon Letters</i> , 2021, 31, 809.	5.9	2
32606	Effect of Nanofiller Content on Dynamic Mechanical and Thermal Properties of Multi-Walled Carbon Nanotube and Montmorillonite Nanoclay Filler Hybrid Shape Memory Epoxy Composites. <i>Polymers</i> , 2021, 13, 700.	4.5	27
32608	Direct anchoring of Eu ³⁺ complex to derivative surfaces of multi-wall carbon nanotubes (Eu@DSCNTs) for linear fluorescence nanomaterials. <i>Journal of Alloys and Compounds</i> , 2021, 853, 156880.	5.5	6
32609	Nanomaterial-sensors for herbicides detection using electrochemical techniques and prospect applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116178.	11.4	37
32610	Fabrication of screen-printed electrodes: opportunities and challenges. <i>Journal of Materials Science</i> , 2021, 56, 8951-9006.	3.7	61
32611	Potential Unwinding of Double-Stranded DNA upon Binding to a Carbon Nitride Polyaniline (C ₃ N) Nanosheet. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2258-2265.	2.6	5
32612	Forced Vibration Analysis of Composite Beams Reinforced by Carbon Nanotubes. <i>Nanomaterials</i> , 2021, 11, 571.	4.1	39
32613	Novel Zn-Fe LDH/MWCNT and Graphene/MWCNTs Nanocomposites Based Potentiometric Sensors for Benzydamine Determination in Biological Fluids and Real Water Samples. <i>Electroanalysis</i> , 2021, 33, 1194-1204.	2.9	3

#	ARTICLE	IF	CITATIONS
32614	Preparation, Functionalization, Modification, and Applications of Nanostructured Gold: A Critical Review. <i>Energies</i> , 2021, 14, 1278.	3.1	42
32615	Facile Synthesis of Nitrogen-Doped [(6, <i>m</i>) ₈ <i>n</i>]Cyclacene Carbon Nanobelts by a One-Pot Self-Condensation Reaction. <i>Journal of the American Chemical Society</i> , 2021, 143, 2716-2721.	13.7	38
32616	Analysis of heat transfer in SWCNTs-ethylene glycol-based nanofluid past a vertical complex wavy surface. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 2601-2613.	3.6	4
32617	Iron Oxide Nanoparticles: Multiwall Carbon Nanotube Composite Materials for Batch or Chromatographic Biomolecule Separation. <i>Nanoscale Research Letters</i> , 2021, 16, 30.	5.7	3
32618	Modulating the Biomechanical Properties of Engineered Connective Tissues by Chitosan-Coated Multiwall Carbon Nanotubes. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 989-1000.	6.7	4
32619	Strain Mapping and Damage Tracking in Carbon Fiber Reinforced Epoxy Composites during Dynamic Bending Until Fracture with Quantum Resistive Sensors in Array. <i>Journal of Composites Science</i> , 2021, 5, 60.	3.0	3
32620	Light-Responsive Hybrids Based on Carbon Nanotubes with Covalently Attached PHEMA- <i>g</i> -PCL Brushes. <i>Macromolecules</i> , 2021, 54, 2412-2426.	4.8	6
32621	Multiwall Carbon Nanotubes Non-covalently Functionalized by Porphyrin-Sn Networks for Protein Adsorption. <i>ACS Applied Nano Materials</i> , 2021, 4, 2345-2350.	5.0	9
32622	Homogeneous and Heterogeneous Ionic Liquid System: Promising "Ideal Catalysts" for the Fixation of CO ₂ into Cyclic Carbonates. <i>ChemCatChem</i> , 2021, 13, 1848-1866.	3.7	47
32623	Design of a Class of New sp ² "sp ³ Carbons Constructed by Graphite and Diamond Building Blocks. <i>Chinese Physics Letters</i> , 2021, 38, 028102.	3.3	15
32624	Low-cost synthesis of multi-walled carbon nanotubes using red soil as catalyst. <i>Diamond and Related Materials</i> , 2021, 112, 108241.	3.9	12
32625	Dynamic behavior of nanobeams under axial loads: Integral elasticity modeling and size-dependent eigenfrequencies assessment. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	5
32626	Selective growths of "single-walled" carbon nanotubes from mesoporous supports via "CO disproportionation. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 491-499.	1.4	4
32628	A Nano-Micro "Macro Multiscale Modeling for Carbon Fiber-Reinforced Graphene/Epoxy Nanocomposites. <i>Multiscale Science and Engineering</i> , 2021, 3, 36-50.	1.7	2
32629	Topological Study of Carbon Nanotube and Polycyclic Aromatic Nanostar Molecular Structures. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-21.	2.6	8
32630	Nonlinear vibrations of fractional nonlocal viscoelastic nanotube resting on a Kelvin "Voigt foundation. <i>Mechanics of Advanced Materials and Structures</i> , 0, , 1-11.	2.6	2
32631	Modern Nanocomposites and Hybrids as Electrode Materials Used in Energy Carriers. <i>Nanomaterials</i> , 2021, 11, 538.	4.1	22
32632	Guiding of protons through radially deformed triple-wall carbon nanotubes. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	1

#	ARTICLE	IF	CITATIONS
32633	Mechanical and Electrical Properties of Multiwalled Carbon Nanotube Nanocomposites with Different Resin Matrices. <i>Physical Mesomechanics</i> , 2021, 24, 219-224.	1.9	4
32634	Influence of Brownian motion and thermophoresis parameters on silver-based Di-Hydrogen CNTs between two stretchable rotating disks. <i>Physica Scripta</i> , 2021, 96, 055205.	2.5	20
32635	Improving the Efficiency of Dye-Sensitized Solar Cells via the Impact of Triphenylamine-Based Inventive Organic Additives on Biodegradable Cellulose Polymer Gel Electrolytes. <i>Energy & Fuels</i> , 2021, 35, 4273-4282.	5.1	17
32636	Nanomaterials for Biomedical Applications: Production, Characterisations, Recent Trends and Difficulties. <i>Molecules</i> , 2021, 26, 1077.	3.8	72
32637	Chemically Coupled Multiwall Carbon Nanotubes with Leaf-Like Nanostructures of NiO for Sensitive and Selective Determination of Uric Acid. <i>Journal of Electronic Materials</i> , 2021, 50, 2852-2859.	2.2	1
32639	Preparation and Electrical Properties of Silicone Composite Films Based on Silver Nanoparticle Decorated Multi-Walled Carbon Nanotubes. <i>Materials</i> , 2021, 14, 948.	2.9	4
32640	Synthesis and characterization of MWCNT-supported iron phthalocyanine catalyst for the treatment of wastepaper recycling mill wastewater using microbial fuel cell. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	0
32641	Mechanical properties improvement of bi-directional functionally graded laminated MWCNT reinforced composite beams using an integrated tailoring optimization approach. <i>Microporous and Mesoporous Materials</i> , 2021, 314, 110875.	4.4	6
32642	Carbon-Based Nanomaterials for Delivery of Biologicals and Therapeutics: A Cutting-Edge Technology. <i>Journal of Carbon Research</i> , 2021, 7, 19.	2.7	26
32643	Mechanical properties of MoS ₂ nanotubes under tension: a molecular dynamics study. <i>Molecular Simulation</i> , 2021, 47, 471-479.	2.0	4
32644	The Possible Detriment of Oxygen in Creep of Alumina and Zirconia Ceramic Composites Reinforced with Graphene. <i>Materials</i> , 2021, 14, 984.	2.9	4
32645	Topographical nanostructures for physical sterilization. <i>Drug Delivery and Translational Research</i> , 2021, 11, 1376-1389.	5.8	17
32646	Thermotropic liquid crystals with low-dimensional carbon allotropes. <i>Nano Express</i> , 2021, 2, 012002.	2.4	16
32647	Water-Gas Shift Reaction to Capture Carbon Dioxide and Separate Hydrogen on Single-Walled Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 11026-11038.	8.0	10
32648	Modified Carbon Nanotubes Decorated with ZIFs as New Immobilized Metal Ion Affinity Chromatography Platform for Enrichment of Phosphopeptides. <i>ChemistrySelect</i> , 2021, 6, 1313-1319.	1.5	7
32649	Coal-derived carbon nanomaterials for sustainable energy storage applications. <i>New Carbon Materials</i> , 2021, 36, 133-154.	6.1	30
32650	Adsorption of Acid Blue 92 Dye from Aqueous Solutions by Single-Walled Carbon Nanotubes: Isothermal, Kinetic, and Thermodynamic Studies. <i>Environmental Processes</i> , 2021, 8, 869-888.	3.5	95
32651	Mechanical Response of Polymer Epoxy/BMI Composites with Graphene and a Boron Nitride Monolayer from First Principles. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1052-1059.	4.4	10

#	ARTICLE	IF	CITATIONS
32652	Recent Advances in the Direct Electron Transfer-Enabled Enzymatic Fuel Cells. <i>Frontiers in Chemistry</i> , 2020, 8, 620153.	3.6	22
32653	Polypyrrole/reduced graphene aerogel film for wearable piezoresistive sensors with high sensing performances. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 86-95.	21.1	122
32654	Stretchable Energy Storage Devices Based on Carbon Materials. <i>Small</i> , 2021, 17, e2005015.	10.0	34
32655	Bandwidth Enhancement of Multiwalled Carbon Nanotube Antenna Using Structural Modifications and DGS in X-Band Applications. , 2021, , .		1
32656	Buckling and Postbuckling of Plates Made of FG-GPL-Reinforced Porous Nanocomposite with Various Shapes and Boundary Conditions. <i>International Journal of Structural Stability and Dynamics</i> , 2021, 21, 2150063.	2.4	25
32658	An overview on nanoparticles used in biomedicine and their cytotoxicity. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102316.	3.0	71
32659	Simple and efficient method for the determination of Cr(VI) ions in water samples using m-MWCNT@APTMS through dispersive magnetic solid phase extraction. <i>International Journal of Environmental Analytical Chemistry</i> , 2023, 103, 1817-1835.	3.3	3
32660	Torsional Characteristics of Carbon Nanotubes: Micropolar Elasticity Models and Molecular Dynamics Simulation. <i>Nanomaterials</i> , 2021, 11, 453.	4.1	25
32661	Zigzag Hydrocarbon Belts. <i>CCS Chemistry</i> , 2021, 3, 916-931.	7.8	49
32662	Rheological properties and sedimentation stability of magnetorheological fluid based on multi-walled carbon nanotubes/cobalt ferrite nanocomposites. <i>Journal of Molecular Liquids</i> , 2021, 324, 115103.	4.9	16
32663	Investigation of spherical alumina supported catalyst for carbon nanotubes production from waste polyethylene. <i>Chemical Engineering Research and Design</i> , 2021, 146, 201-207.	5.6	19
32664	A Degree Based Topological Study of Two Carbon Nanosheets VC5C7 and HC5C7.. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-21.	2.6	1
32665	Recent Advances in Catalytic Confinement Effect within Micro/Meso-Porous Crystalline Materials. <i>Small</i> , 2021, 17, e2005334.	10.0	62
32666	Efficiency of CNT-based rotation transmission nanosystem in water. <i>Nanotechnology</i> , 2021, 32, 245401.	2.6	4
32667	Intramolecular interactions in a target specific anti-tumor nanodrug: a theoretical study. <i>Journal of Physics Communications</i> , 2021, 5, 035004.	1.2	0
32668	Evolution of copper nanowires through coalescing of copper nanoparticles induced by aliphatic amines and their electrical conductivities in polyester films. <i>Chinese Journal of Chemical Engineering</i> , 2022, 44, 284-291.	3.5	0
32669	Carbon Nanotube Films for Energy Applications. <i>Energies</i> , 2021, 14, 1890.	3.1	5
32670	Effect of Carbon Nanotubes on Porosity and Mechanical Properties of Slag-Based Geopolymer. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 10731-10738.	3.0	11

#	ARTICLE	IF	CITATIONS
32671	Antibiofouling Thin-Film Nanocomposite Membranes for Sustainable Water Purification. <i>Advanced Sustainable Systems</i> , 2021, 5, 2000279.	5.3	9
32672	Helical Self-Organizations and Emerging Functions in Architectures, Biological and Synthetic Macromolecules. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 900-928.	3.2	72
32673	The applications of nano-medicine in the breast cancer therapy. <i>Journal of Physics: Conference Series</i> , 2021, 1853, 012061.	0.4	7
32674	Near-perfect absorber consisted of a vertical array of single-wall carbon nanotubes and engineered multi-wall carbon nanotubes. <i>Optical Materials Express</i> , 2021, 11, 1267.	3.0	14
32675	The Application of Nanomaterials for the Electrochemical Detection of Antibiotics: A Review. <i>Micromachines</i> , 2021, 12, 308.	2.9	38
32676	Nanocarrier-delivered small interfering RNA for chemoresistant ovarian cancer therapy. <i>Wiley Interdisciplinary Reviews RNA</i> , 2021, 12, e1648.	6.4	8
32677	Synthesis and characterisation of carbon nanotubes from waste of <i>Juglans regia</i> (walnut) shells. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2021, 29, 860-867.	2.1	14
32678	Recent Progress on Biodegradable Tissue Engineering Scaffolds Prepared by Thermally-Induced Phase Separation (TIPS). <i>International Journal of Molecular Sciences</i> , 2021, 22, 3504.	4.1	50
32679	Nucleate pool boiling heat transfer enhancement in saturated Novec 7100 using titanium dioxide nanotube arrays. <i>International Communications in Heat and Mass Transfer</i> , 2021, 122, 105166.	5.6	11
32680	Biocompatibility of nanomaterials and their immunological properties. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 042005.	3.3	54
32681	Optimization on Tensile Properties of Kenaf/Multi-walled CNT Hybrid Composites with Box-Behnken Design. <i>Applied Composite Materials</i> , 2021, 28, 607-632.	2.5	23
32682	Crystalline Nanodiamond-Induced Formation of Carbon Nanotubes for Stable Hydrogen Sensing. <i>ACS Applied Nano Materials</i> , 2021, 4, 2840-2848.	5.0	9
32683	Stereoselectivity in spontaneous assembly of rolled incommensurate carbon bilayers. <i>Nature Communications</i> , 2021, 12, 1575.	12.8	9
32684	Stress analysis of perforated composite plates reinforced with carbon nanotubes with different distributions. <i>Emergent Materials</i> , 2021, 4, 1711-1723.	5.7	3
32685	Influence of Fe Films in the Growth of Carbon Nanotubes by Chemical Vapor Deposition. <i>Journal of Physics: Conference Series</i> , 2021, 1838, 012032.	0.4	0
32686	Dynamics of nonlocal strain gradient nanobeams with longitudinal magnetic field. <i>Mathematical Methods in the Applied Sciences</i> , 0, , .	2.3	8
32687	Two-step synthesis of polyurethane/multi-walled carbon nanotubes polymer composite to achieve high percentage particle reinforcement for mechanical applications. <i>Journal of Composite Materials</i> , 0, , 002199832199945.	2.4	18
32688	Molecular Functionalization of Carbon Nanotubes towards Near Infrared Photoluminescent Nanomaterials. <i>Chemistry Letters</i> , 2021, 50, 397-404.	1.3	16

#	ARTICLE	IF	CITATIONS
32689	Engineered Nanomaterials for Aviation Industry in COVID-19 Context: A Time-Sensitive Review. Coatings, 2021, 11, 382.	2.6	16
32690	Carbon Nanomaterials With Hollow Structures: A Mini-Review. Frontiers in Chemistry, 2021, 9, 668336.	3.6	10
32691	Zebrafish (Danio rerio) as an ecotoxicological model for Nanomaterial induced toxicity profiling. Precision Nanomedicine, 2021, 4, .	0.8	23
32692	Bunch-Size Measurement of the High-Intensity H ⁺ Beam with 3â€¦MeV by the Bunch-Shape Monitor. , 2021, , .		2
32693	A new boundary element formulation for modeling and simulation of threeâ€¢temperature distributions in carbon nanotube fiber reinforced composites with inclusions. Mathematical Methods in the Applied Sciences, 0, , .	2.3	10
32694	A Review on van der Waals Boron Nitride Quantum Dots. Journal of Carbon Research, 2021, 7, 35.	2.7	5
32695	A thermomechanical comparative study on carbon and boron nitride nanotube-reinforced polymer composites. Mechanics of Advanced Materials and Structures, 2022, 29, 3556-3569.	2.6	5
32696	Optimization and kinetic studies on cationic dye adsorption using textile yarn waste/Multiwall carbon nanotube nanofibrous composites. International Journal of Materials Research, 2021, 112, 333-342.	0.3	2
32697	A Data Mining Approach to Investigate the Carbon Nanotubes Mechanical Properties via High-Throughput Molecular Simulation. Materials Science Forum, 0, 1023, 29-36.	0.3	6
32698	Investigation of shear forces in twisted carbon nanotube bundles using a structural mechanics approach. Acta Mechanica, 2021, 232, 2425-2441.	2.1	7
32699	ol2O-carbon: A new superhard carbon allotrope. Diamond and Related Materials, 2021, 113, 108284.	3.9	9
32700	Structural and chemical mechanisms governing stability of inorganic Janus nanotubes. Npj Computational Materials, 2021, 7, .	8.7	22
32701	Role and Contribution of Polymeric Additives in Perovskite Solar Cells: Crystal Growth Templates and Grain Boundary Passivators. Solar Rrl, 2021, 5, 2000783.	5.8	35
32702	Effect of phthalocyanines supported carbon nanotube for the catalytic oxidation of benzyl alcohol. Solid State Sciences, 2021, 113, 106546.	3.2	13
32703	Fabrication, Functionalization, and Application of Carbon Nanotube-Reinforced Polymer Composite: An Overview. Polymers, 2021, 13, 1047.	4.5	195
32704	Recent advances in carbon nanomaterials for biomedical applications: A review. Current Opinion in Biomedical Engineering, 2021, 17, 100262.	3.4	50
32705	Gelatin-Based Nanocomposites: A Review. Polymer Reviews, 2021, 61, 765-813.	10.9	24
32706	Buckling of boron nanotubes under axial compression: Insights from molecular mechanics and continuum mechanics. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 127, 114520.	2.7	3

#	ARTICLE	IF	CITATIONS
32707	Comparative Study of Zagreb Indices for Capped, Semi-Capped, and Uncapped Carbon Nanotubes. Polycyclic Aromatic Compounds, 2022, 42, 3545-3562.	2.6	31
32708	Facile Synthesis of Few-Layer Graphene Oxide from Cinnamomum camphora. Nanobiotechnology Reports, 2021, 16, 183-187.	0.6	5
32709	Microstructural and mechanical studies of multi-walled CNTs/Mg composite fabricated through FSP. Journal of Composite Materials, 2021, 55, 3023-3033.	2.4	8
32710	3D Hierarchical Carbon-Rich Micro-/Nanomaterials for Energy Storage and Catalysis. Electrochemical Energy Reviews, 2021, 4, 269-335.	25.5	108
32711	Oriented structure design and evaluation of Fe ₃ O ₄ /o-MWCNTs/PVC composite membrane assisted by magnetic field. Journal of the Taiwan Institute of Chemical Engineers, 2021, 120, 278-290.	5.3	16
32713	Synthesis and characterization of nitrogen-doped carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2021, 32, 9694-9701.	2.2	0
32714	Preparation and Optimization of PEGylated Nano Graphene Oxide-Based Delivery System for Drugs with Different Molecular Structures Using Design of Experiment (DoE). Molecules, 2021, 26, 1457.	3.8	8
32715	One-dimensional nitrogen doped porous carbon nano-array arranged by carbon nanotubes for electrochemical sensing ascorbic acid, dopamine and uric acid simultaneously. Nanotechnology, 2021, 32, 255601.	2.6	11
32716	Analysis of quantum effects of fine scaling on the axial buckling of MWCNTs based on the density functional theory and molecular mechanics method. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	11
32717	Free Transverse Vibration of Nickel Coated Carbon Nanotubes. International Journal of Structural Stability and Dynamics, 2021, 21, 2150085.	2.4	7
32718	Electronic properties and stability of 4×8 B C N monolayers. Solid State Communications, 2021, 326, 114174.	1.9	0
32719	Systematic growth of carbon nanotubes on aluminum substrate for enhanced field emission performance. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2021, 39, 022801.	1.2	1
32721	Nonlinear forced vibrations of initially curved rectangular single layer graphene sheets: An analytical approach. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 127, 114568.	2.7	6
32722	Effect of Synthesis Conditions on Morphology, Structure, and Defectiveness of Few-Layer Graphene Nanoflakes. Russian Journal of Physical Chemistry A, 2021, 95, 558-564.	0.6	5
32723	Investigation of the Effects of Multi-Wall and Single-Wall Carbon Nanotubes Concentration on the Properties of ABS Nanocomposites. Journal of Carbon Research, 2021, 7, 33.	2.7	11
32724	The Finite Pore Volume GAB Adsorption Isotherm Model as a Simple Tool to Estimate a Diameter of Cylindrical Nanopores. Molecules, 2021, 26, 1509.	3.8	23
32725	Co-based coordination polymer-derived carbon nanotubes: Preparation, post-processing and application in dye adsorption. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 1005-1013.	1.2	2
32726	Nano-FET-enabled biosensors: Materials perspective and recent advances in North America. Biosensors and Bioelectronics, 2021, 176, 112941.	10.1	28

#	ARTICLE	IF	CITATIONS
32727	A comprehensive review summarizing the recent biomedical applications of functionalized carbon nanofibers. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2021, 109, 1893-1908.	3.4	23
32728	A multi-layer resin film infusion process to control CNTs distribution and alignment for improving CFRP interlaminar fracture toughness. Composite Structures, 2021, 260, 113510.	5.8	23
32729	Facile synthesis of alkylated carbon dots with blue emission in halogenated benzene solvents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126129.	4.7	8
32730	Intensity Interference in a Coherent Spin-Polarized Electron Beam. Physical Review Letters, 2021, 126, 125501.	7.8	19
32731	A review on three-dimensional graphene: Synthesis, electronic and biotechnology applications-The Unknown Riddles. IET Nanobiotechnology, 2021, 15, 348-357.	3.8	10
32732	é·é†â±žæœ%œœæ†æžŕæ”¹æšæŸ” æššç»çš„âŕâ†âšâ…ŕâšâ·êfª¼æ„Ÿâ”ç”“. Chinese Science Bulletin, 2021, , .		2
32733	Even and odd superposition of bilayer graphene coherent states and their non-classical properties. Physica Scripta, 2021, 96, 065101.	2.5	3
32734	A fundamental exploration on carbon nanotube formation via pyrolysis of ferrocene and glycerol: Experimental and theoretical viewpoints. Engineering Science and Technology, an International Journal, 2021, 24, 1373-1382.	3.2	1
32735	Formation of carbon nanofibers/nanotubes by chemical vapor deposition using Al ₂ O ₃ /KOH. Diamond and Related Materials, 2021, 113, 108265.	3.9	18
32736	Compound influence of topological defects and heteroatomic inclusions on the mechanical properties of SWCNTs. Materials Today Communications, 2021, 26, 102021.	1.9	19
32737	Nanoconfinement Raises the Energy Barrier to Hydrogen Atom Exchange between Water and Glucose. Journal of Physical Chemistry B, 2021, 125, 3364-3373.	2.6	7
32738	Simultaneous formation of CuO nanoflowers and semi-spherical nanoparticles onto MWCNT surface. Emergent Materials, 2021, 4, 403-411.	5.7	7
32739	Recent Advances in Nanotechnology with Nano-Phytochemicals: Molecular Mechanisms and Clinical Implications in Cancer Progression. International Journal of Molecular Sciences, 2021, 22, 3571.	4.1	27
32740	Carrier Redistribution in van der Waals Nanostructures Consisting of Bilayer Graphene and Buckybowl: Implications for Piezoelectric Devices. ACS Applied Nano Materials, 2021, 4, 3007-3012.	5.0	4
32741	Controllable Liquid Exfoliation of Fibrous Phosphorus and Its Live-Cell Imaging. Inorganic Chemistry, 2021, 60, 4883-4890.	4.0	5
32742	Review on Carbon Nanomaterials-Based Nano-Mass and Nano-Force Sensors by Theoretical Analysis of Vibration Behavior. Sensors, 2021, 21, 1907.	3.8	15
32743	Recent development in bacterial cellulose production and synthesis of cellulose based conductive polymer nanocomposites. Nano Select, 2021, 2, 1605-1628.	3.7	32
32744	Role of the interface on electron transport in electro-conductive polymer-matrix composite: A review. Polymer Composites, 2021, 42, 2614-2628.	4.6	20

#	ARTICLE	IF	CITATIONS
32745	Hydrothermal fluorination of carbon nanotubes and its composite with metal ion-doped ceria for a non-gassing flow-in-a-cell application. Journal of Applied Electrochemistry, 2021, 51, 933-943.	2.9	2
32746	Enhanced mechanical properties of double-walled carbon nanotubes reinforced silica aerogels: An all-atom simulation study. Scripta Materialia, 2021, 196, 113757.	5.2	8
32748	Exploration of Properties of Al 6060/CNT Metal Matrix Nanocomposites. Applied Mechanics and Materials, 0, 903, 133-140.	0.2	1
32749	Field emission characteristics of a nanotube-fullerene composite: a theoretical study. Materials Research Express, 2021, 8, 045020.	1.6	0
32750	Guided Healing of Damaged Microelectrodes via Electrokinetic Assembly of Conductive Carbon Nanotube Bridges. Micromachines, 2021, 12, 405.	2.9	1
32751	Van der Waals Interactions of Moving Particles with Surfaces of Cylindrical Geometry. Universe, 2021, 7, 106.	2.5	2
32752	Arc plasma ablation of quartz crystals. Plasma Research Express, 2021, 3, 025004.	0.9	1
32753	Evaluating the Mass Sensing Characteristics of SWCNC. , 2021, , 79-97.		0
32754	Singularity analysis of cracks in hybrid CNT reinforced carbon fiber composites using finite element asymptotic expansion and XFEM. International Journal of Solids and Structures, 2021, 214-215, 1-17.	2.7	5
32755	Catalyst particle size dependent carbon nanotube cloning. Carbon, 2021, 175, 69-76.	10.3	12
32756	The Role of Carbon Nanotube Pretreatments in the Adsorption of Benzoic Acid. Materials, 2021, 14, 2118.	2.9	16
32757	Effect of Acetylene Links on Electronic and Optical Properties of Semiconducting Graphynes. ACS Omega, 2021, 6, 10997-11004.	3.5	5
32758	Nonlinear Electrical Conduction in Polymer Composites for Field Grading in High-Voltage Applications: A Review. Polymers, 2021, 13, 1370.	4.5	35
32759	Dynamically Controlled Electronic Behavior of Stimuli-Responsive Materials: Exploring Dimensionality and Connectivity. Advanced Energy Materials, 2022, 12, 2100441.	19.5	32
32760	A facile soft-template synthetic approach of surface integrated nitrogen-rich carbon nanospheres for light-weight supercapacitors. Journal of Molecular Structure, 2021, 1229, 129788.	3.6	6
32761	N-doped MWCNTs from catalyst-free, direct pyrolysis of commercial glue. Materials Chemistry and Physics, 2021, 262, 124319.	4.0	3
32762	Size-dependent elastic mechanical properties of β -graphyne structures: A comprehensive finite element investigation. Materials and Design, 2021, 202, 109524.	7.0	10
32763	Contrasting H-Etching to OH-Etching in Plasma-Assisted Nucleation of Carbon Nanotubes. Journal of Physical Chemistry C, 2021, 125, 7849-7855.	3.1	1

#	ARTICLE	IF	CITATIONS
32764	RKKY interaction in spin polarized doped zigzag carbon nanotube in Holstein model. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 128, 114612.	2.7	1
32765	Acetaminophen drug detection by a promising sensor of aluminum nitride nanocage: DFT approach. Monatshefte für Chemie, 2021, 152, 481-488.	1.8	7
32766	Mild nitric acid treatments to improve multi-walled carbon nanotubes dispersity and solubility in dielectrophoresis mediums. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 832-839.	2.1	16
32767	Electric-field-generated topological states in a silicene nanotube. Journal of Physics Condensed Matter, 2021, 33, 175301.	1.8	2
32768	A comprehensive review on the prospects of multi-functional carbon nano onions as an effective, high- performance energy storage material. Carbon, 2021, 175, 534-575.	10.3	72
32769	Mechanical Behavior of Graphite-Reinforced Aluminum Alloy Composite via Friction Stir Processing. Materials Transactions, 2021, 62, 519-525.	1.2	2
32770	Latex-Based Polystyrene Nanocomposites with Non-Covalently Modified Carbon Nanotubes. Polymers, 2021, 13, 1168.	4.5	8
32771	Recent Developments in Carbon Nanotubes-Reinforced Ceramic Matrix Composites: A Review on Dispersion and Densification Techniques. Crystals, 2021, 11, 457.	2.2	13
32772	A Molecular Transformer: A π -Conjugated Macrocycle as an Adaptable Host. Angewandte Chemie, 2021, 133, 11920-11924.	2.0	7
32773	Non-local effect on the frequency analysis of chiral single-walled carbon nanotubes using wave propagation approach. Micro and Nano Letters, 2021, 16, 469-477.	1.3	2
32774	Torsional moduli of transition metal dichalcogenide nanotubes from first principles. Nanotechnology, 2021, 32, 28LT02.	2.6	6
32776	Induced H-packing k-partition problem in certain carbon based nanostructures. Journal of Mathematical Chemistry, 2021, 59, 1429.	1.5	0
32778	Instability of single-walled carbon nanotubes conveying Jeffrey fluid*. Chinese Physics B, 2021, 30, 044601.	1.4	0
32779	First-principles investigation of electronic, optical, mechanical and heat transport properties of pentadiamond: A comparison with diamond. Carbon Trends, 2021, 3, 100036.	3.0	16
32780	Texture and surface sites of treated and as-prepared SWNT using experimental and simulation methods. Adsorption, 2021, 27, 909-923.	3.0	0
32781	Optical properties of double walled carbon nanotubes. Journal of Electron Spectroscopy and Related Phenomena, 2021, 248, 147058.	1.7	2
32782	Hydrothermal method oxidized carbon nanotube: Properties and performances in epoxy composite. Diamond and Related Materials, 2021, 114, 108321.	3.9	3
32783	Direct Observation of Heterogeneous Surface Reactivity and Reconstruction on Terminations of Grain Boundaries of Platinum. , 2021, 3, 622-629.		14

#	ARTICLE	IF	CITATIONS
32784	Snapshots of the Fragmentation for C70@Single-Walled Carbon Nanotube: Tight-Binding Molecular Dynamics Simulations. International Journal of Molecular Sciences, 2021, 22, 3929.	4.1	3
32785	Reactive oxygen species production, genotoxicity and telomere length in FE1-Mutaâ„¢Mouse lung epithelial cells exposed to carbon nanotubes. Nanotoxicology, 2021, 15, 661-672.	3.0	18
32786	Piezoelectric bending of GPL-reinforced annular and circular sandwich nanoplates with FG porous core integrated with sensor and actuator using DQM. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	3.8	28
32787	Thermal buckling analysis of FG graphene nanoplatelets reinforced porous nanocomposite MCST-based annular/circular microplates. Aerospace Science and Technology, 2021, 111, 106561.	4.8	77
32788	Microfluidics for flexible electronics. Materials Today, 2021, 44, 105-135.	14.2	65
32789	Carbon Nanomaterials: Synthesis, Functionalization and Sensing Applications. Nanomaterials, 2021, 11, 967.	4.1	132
32790	Nanomaterials: Applications, waste-handling, environmental toxicities, and future challenges â€“ A review. Journal of Environmental Chemical Engineering, 2021, 9, 105028.	6.7	133
32791	Thiol-Amine Functionalized Decorated Carbon Nanotubes for Biomarker Gases Detection. Chemosensors, 2021, 9, 87.	3.6	3
32792	Graphene-encapsulation effect of BaTiO3 on AC electroluminescence. Journal of the Korean Physical Society, 2021, 78, 1128-1132.	0.7	1
32793	A Straightforward Approach to Create Ag/SWCNT Composites. Materials, 2021, 14, 1956.	2.9	1
32794	Non-monotonic contribution of nonionic surfactant on the retention of functionalized multi-walled carbon nanotubes in porous media. Journal of Hazardous Materials, 2021, 407, 124874.	12.4	6
32795	Insight into the nanomaterials enhancement mechanism of nucleic acid amplification reactions. TrAC - Trends in Analytical Chemistry, 2021, 137, 116221.	11.4	8
32796	Aromatic hydrocarbon belts. Nature Chemistry, 2021, 13, 402-419.	13.6	102
32797	The Effect of Magnetic Field on Optical Conductivity of Hexagonal Boron-Nitride Sheet. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2583-2589.	1.8	0
32798	An Overview of the Recent Progress in Polymeric Carbon Nitride Based Photocatalysis. Chemical Record, 2021, 21, 1811-1844.	5.8	29
32799	Characterization of Betulinic Acid-Multiwalled Carbon Nanotubes Modified with Hydrophilic Biopolymer for Improved Biocompatibility on NIH/3T3 Cell Line. Polymers, 2021, 13, 1362.	4.5	13
32800	Revolutionary Products and Materials from Heavy Oil that Producers, Investors, Consumers and Regulators Should Know About. , 2021, , .		0
32801	Carbon nanotube-based flexible metamaterials for THz sensing. Optical Materials Express, 2021, 11, 1470.	3.0	20

#	ARTICLE	IF	CITATIONS
32803	Fabrication of pn junction arrays with highly successful grown n-Si microneedles by using low temperature VLS method. Journal of Micromechanics and Microengineering, 2021, 31, 055008.	2.6	0
32804	A study on mechanical strength and stability of partially-fused carbon nanotube junctions. Carbon Trends, 2021, 3, 100039.	3.0	2
32805	Structural analyses of nano-stitched composite laminates based on FSDT using finite element approach. Mechanics of Materials, 2021, 155, 103771.	3.2	2
32806	Formation of helical polyphenyl nanostructures on carbon nanotubes. Inorganic Chemistry Communication, 2021, 126, 108491.	3.9	3
32807	Broadband Metallic Carbon Nanotube Saturable Absorber for Ultrashort Pulse Generation in the 1500â€“2100 nm Spectral Range. Applied Sciences (Switzerland), 2021, 11, 3121.	2.5	3
32808	A review of new adsorbents for separation of BTEX biomarkers. Biomedical Chromatography, 2021, 35, e5131.	1.7	3
32809	Exploiting the synergic strengthening effects of stacking faults in carbon nanotubes reinforced aluminum matrix composites for enhanced mechanical properties. Composites Part B: Engineering, 2021, 211, 108646.	12.0	65
32810	Performance Analysis of CNTFET based 6T SRAM Cell with Tube and Chiral Variation under 16 and 32 nm Technologies. , 2021, , .		1
32811	Modeling interactions of dsDNA inside single-walled nanotubes. AIP Advances, 2021, 11, .	1.3	2
32812	Comparison of characteristics of single-walled carbon nanotubes obtained by super-growth CVD and improved-arc discharge methods pertaining to interfacial film formation and nanohybridization with polymers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 615, 126221.	4.7	11
32813	Fiber emission of carbon nanotube containing materials for construction applications. Aerosol Science and Technology, 2021, 55, 1001-1013.	3.1	1
32814	CdSâ€“CNTâ€“CoPi Heterostructures for Simultaneous Exciton Separation: Ultrafast and Photoelectrochemical Studies. Journal of Physical Chemistry C, 2021, 125, 8684-8695.	3.1	8
32815	Thermal analysis of oblique stagnation point flow with slippage on second-order fluid. Journal of Thermal Analysis and Calorimetry, 2022, 147, 3839-3851.	3.6	25
32816	Efficient Optical Limiting in Carbon-Nanohorn Suspensions. Energies, 2021, 14, 2074.	3.1	2
32817	Fabrication and electrochemical study of K(1,1â€“ (1,4) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 187 Td (Butanediyl)dipyridinium)2[PW11 for electrocatalytic detection of nitrite. Journal of Electroanalytical Chemistry, 2021, 886, 115139.	3.8	9
32819	Homogeneous and stable carbon nanotube dispersion assisted by cellulose in NaOH/thiourea aqueous solution. Cellulose, 2021, 28, 5421.	4.9	4
32820	A trophic transfer study: accumulation of multi-walled carbon nanotubes associated to green algae in water flea Daphnia magna. NanoImpact, 2021, 22, 100303.	4.5	11
32822	Recent Progress of 2D Nanomaterials for Application on Microwave Absorption: A Comprehensive Study. Frontiers in Materials, 2021, 8, .	2.4	32

#	ARTICLE	IF	CITATIONS
32823	A molecular dynamics study on the buckling behavior of x-graphyne based single- and multi-walled nanotubes. Computational Materials Science, 2021, 191, 110333.	3.0	10
32824	CNT-sandwiched copper composites as super thermal conductors for heat management. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 128, 114557.	2.7	11
32825	Why do nanocrystals of 2D materials form nanotubes and why is that important?. Nano Today, 2021, 37, 101060.	11.9	8
32826	A Molecular Transformer: A π -Conjugated Macrocyclic Host. Angewandte Chemie - International Edition, 2021, 60, 11814-11818.	13.8	19
32827	IMPACT OF NANOFLUIDS ON EXTERNAL AND INTERNAL FLOW VIA NAVIER-STOKES AND CONVECTION-DIFFUSION EQUATIONS FOR PARALLEL PLATES WITH SLIP BOUNDARY CONDITIONS. Revista De Engenharia e Tecnologia, 2021, 20, 45.	0.2	0
32828	Methods and Applications of Electrical Conductivity Enhancement of Materials Using Carbon Nanotubes. Journal of Electronic Materials, 2021, 50, 3207-3221.	2.2	27
32829	A New Porous Metallic Carbon Allotrope with Interlocking Pentagons for Sodium-Ion Battery Anode Material. Advanced Theory and Simulations, 2021, 4, 2100025.	2.8	9
32830	Effect of viscoelastic properties of polymer and wavy shape of the CNTs on the vibrational behaviors of CNT/glass fiber/polymer plates. Engineering With Computers, 2022, 38, 4113-4126.	6.1	12
32831	Fuzzy Logic-Based and Nondestructive Concrete Strength Evaluation Using Modified Carbon Nanotubes as a Hybrid PZT-CNT Sensor. Materials, 2021, 14, 2953.	2.9	6
32832	Comparative Study of Topological Indices for Capped and Uncapped Carbon Nanotubes. Polycyclic Aromatic Compounds, 2022, 42, 4666-4683.	2.6	24
32833	A Bacteriophage-Based Electrochemical Biosensor for Detection of Methicillin-Resistant Staphylococcus aureus. Journal of the Electrochemical Society, 2021, 168, 057523.	2.9	15
32834	Gas Sensing Properties of Graphene-Rb-Based Sensor for Liquefied Petroleum Gas and Hydrogen. International Journal of Scientific Research in Science and Technology, 2021, , 353-359.	0.1	0
32835	First law of thermodynamics on the boundary for flow through a carbon nanotube. Physical Review E, 2021, 103, 053115.	2.1	8
32836	A review on recent advances in hydrogen energy, fuel cell, biofuel and fuel refining via ultrasound process intensification. Ultrasonics Sonochemistry, 2021, 73, 105536.	8.2	59
32837	Green Synthesis, Spectroscopic Characterization and Biomedical Applications of Carbon Nanotubes. Current Pharmaceutical Biotechnology, 2021, 22, 793-807.	1.6	10
32839	Synthetic efforts and applications of metal selenide nanotubes. Materials Science in Semiconductor Processing, 2021, 126, 105656.	4.0	6
32840	Beyond Color: The New Carbon Ink. Advanced Materials, 2021, 33, e2005890.	21.0	17
32841	Dopamine Drug Adsorption on the Aluminum Nitride Single-Wall Nanotube: Ab initio Study. Arabian Journal for Science and Engineering, 2022, 47, 477-484.	3.0	11

#	ARTICLE	IF	CITATIONS
32842	Recent progress of integrated circuits and optoelectronic chips. Science China Information Sciences, 2021, 64, 1.	4.3	56
32843	Carbon under pressure. Physics Reports, 2021, 909, 1-73.	25.6	64
32845	Thermal Ramping Rate during Annealing of TiO ₂ Nanotubes Greatly Affects Performance of Photoanodes. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100040.	1.8	9
32846	Transformation of Nanodiamonds to Onion-like Carbons by Ambient Electrospray Deposition. Journal of Physical Chemistry C, 2021, 125, 10998-11006.	3.1	5
32847	Polar Solvents Induce Sum Frequency Generation Activity for Multiwalled Carbon Nanotubes. Langmuir, 2021, 37, 6540-6548.	3.5	2
32848	Targeting functionalised carbon nanotubes at the interphase of Textile Reinforced Mortar (TRM) composites. Composites Part A: Applied Science and Manufacturing, 2021, 144, 106330.	7.6	10
32849	Effect of thermal axial load on vibration of cracked single-walled carbon nanotubes modelled as Timoshenko nanobeams using nonlocal theory. Australian Journal of Mechanical Engineering, 0, , 1-12.	2.1	2
32850	Carbon-nanotube Nanomotor Driven by Graphene Origami. Physical Review Applied, 2021, 15, .	3.8	11
32851	One-step synthesis of visible light CO ₂ reduction photocatalyst from carbon nanotubes encapsulating iodine molecules. Scientific Reports, 2021, 11, 10140.	3.3	7
32852	Radiation synthesis of polyacrylamide/functionalized multiwalled carbon nanotubes composites for the adsorption of Cu(II) metal ions from aqueous solution. Polymer Bulletin, 2022, 79, 4395-4415.	3.3	11
32853	Application-Driven Carbon Nanotube Functional Materials. ACS Nano, 2021, 15, 7946-7974.	14.6	102
32854	Natural rubber nanocomposites: effect of carbon black/multi-walled carbon nanotubes hybrid fillers on the mechanical properties and thermal conductivity. Polymer-Plastics Technology and Materials, 0, , 1-11.	1.3	1
32855	Evaluation and modeling of electrical conductivity in conductive polymer nanocomposite foams with multiwalled carbon nanotube networks. Chemical Engineering Journal, 2021, 411, 128382.	12.7	59
32856	Continuous growth of carbon nanotube films: From controllable synthesis to real applications. Composites Part A: Applied Science and Manufacturing, 2021, 144, 106359.	7.6	26
32857	Fracture Analysis of Vacancy Defected Nitrogen Doped Graphene Sheets Via MD Simulations. Mapta Journal of Mechanical and Industrial Engineering (MJMIE), 2021, 5, 18-23.	0.1	3
32858	Ultrasonication-mediated nitrogen-doped multiwalled carbon nanotubes involving carboxy methylcellulose composite for solid-state supercapacitor applications. Scientific Reports, 2021, 11, 9918.	3.3	24
32859	Structural exploration and properties of (BN) ₆ cluster via ab initio in combination with particle swarm optimization method. Theoretical Chemistry Accounts, 2021, 140, 1.	1.4	4
32860	Robust, freestanding, and bendable multi-walled carbon nanotube buckypapers as electrode materials for quasi-solid-state potassium-ion supercapacitors. Diamond and Related Materials, 2021, 115, 108354.	3.9	8

#	ARTICLE	IF	CITATIONS
32861	SiO ₂ -promoted growth of single-walled carbon nanotubes on an alumina supported catalyst. Carbon, 2021, 176, 367-373.	10.3	18
32862	Microscopic deformation mechanism and main influencing factors of carbon nanotube coated graphene foams under uniaxial compression. Nanotechnology, 2021, 32, 345704.	2.6	8
32864	Preparation of Ultrafiltration Membrane by Polyethylene Glycol Non-Covalent Functionalized Multi-Walled Carbon Nanotubes: Application for HA Removal and Fouling Control. Membranes, 2021, 11, 362.	3.0	8
32865	Analysis of mechanical strength and Young's modulus of ultrasonically functionalised CNT-epoxy composites. Advances in Materials and Processing Technologies, 0, , 1-8.	1.4	1
32866	Sorption and Desorption Analysis of Nitrobenzene on Differently Functionalized Multiwalled Carbon Nanotubes and Implications on the Stability. Water (Switzerland), 2021, 13, 1426.	2.7	1
32867	Magneto-Optical Effects in Various Crystalline Materials, Films, and Meso- and Nanostructures. Crystallography Reports, 2021, 66, 323-348.	0.6	5
32868	Review of Sorted Metallic Single-Walled Carbon Nanotubes. Advanced Materials Interfaces, 2021, 8, 2002106.	3.7	9
32869	On the static and dynamic responses of smart piezoelectric functionally graded graphene platelet-reinforced microplates. International Journal of Mechanical Sciences, 2021, 197, 106310.	6.7	41
32870	Properties of Silicone Rubber-Based Composites Reinforced with Few-Layer Graphene and Iron Oxide or Titanium Dioxide. Polymers, 2021, 13, 1550.	4.5	24
32871	Review—Recent Advances in FSCV Detection of Neurochemicals via Waveform and Carbon Microelectrode Modification. Journal of the Electrochemical Society, 2021, 168, 057520.	2.9	18
32872	Synthesis of single-walled, bamboo-shaped and Y-junction carbon nanotubes using microwave plasma CVD on low-temperature and chemically processed catalysts. Journal of Physics and Chemistry of Solids, 2021, 152, 109971.	4.0	7
32873	Biomimetic and flexible 3D carbon nanofiber networks with fire-resistant and high oil-sorption capabilities. Chemical Engineering Journal, 2021, 412, 128635.	12.7	27
32874	Nanohybrid Photodetectors. Advanced Photonics Research, 2021, 2, 2100015.	3.6	9
32875	Passive air cooling system and solar water heater with Phase Change Material for low energy buildings in hot arid climate. Energy and Buildings, 2021, 239, 110854.	6.7	13
32876	Non-linear vibration and instability of multi-phase composite plate subjected to non-uniform in-plane parametric excitation: Semi-analytical investigation. Thin-Walled Structures, 2021, 162, 107556.	5.3	16
32877	Application of Response Surface Methodology for Pipette-Tip Micro Solid-Phase Extraction of Nicotine from Cigarette, Seawater and Human Plasma by a Novel Carbon Nanotube/Zinc Oxide Nanocomposite Sorbent Following its Determination by Spectrophotometry. Journal of Analytical Chemistry, 2021, 76, 563-572.	0.9	7
32878	SiC-Coated Carbon Nanotubes with Enhanced Oxidation Resistance and Stable Dielectric Properties. Materials, 2021, 14, 2770.	2.9	5
32879	Current perspectives of anodized TiO ₂ nanotubes towards photodegradation of formaldehyde: A short review. Environmental Technology and Innovation, 2021, 22, 101418.	6.1	18

#	ARTICLE	IF	CITATIONS
32880	Influence of MWCNTs on portlandite Ca(OH) ₂ hydrates in MWCNT “ reinforced concrete. World Journal of Engineering, 2021, 18, 920-929.	1.6	2
32881	Carbon Nanotube Microelectrode Set: Detection of Biomolecules to Heavy Metals. Analytical Chemistry, 2021, 93, 7439-7448.	6.5	8
32882	Thermal Conductivity for Polymer Composite Materials: Recent Advances in Polyimide Materials. Journal of Chemical Engineering of Japan, 2021, 54, 186-194.	0.6	6
32883	How Do Defects in Carbon Nanostructures Regulate the Photoinduced Electron Transfer Processes? The Case of Phenine Nanotubes. ChemPhysChem, 2021, 22, 1178-1186.	2.1	7
32884	Semianalytical Development of Dynamic Instability and Response of a Multiscale Laminated Hybrid Composite Plate. Journal of Aerospace Engineering, 2021, 34, .	1.4	8
32885	Theoretical Basis for Designing High-Modulus Polymer Fibers and Nanocomposites Based on Them. Fibre Chemistry, 2021, 53, 46-49.	0.2	0
32886	Thermotropic liquid crystalline polymer reinforced polypropylene composites enhanced with carbon nanotubes for use in fused filament fabrication. Polymer Composites, 2021, 42, 4115-4127.	4.6	14
32887	Diverse Proton-Conducting Nanotubes via a Tandem Macrocyclization and Assembly Strategy. Journal of the American Chemical Society, 2021, 143, 8145-8153.	13.7	7
32888	Dynamic modelling and analysis of smart carbon nanotube-based hybrid composite beams: Analytical and finite element study. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 2185-2206.	1.1	6
32889	In-situ imaging the electrochemical reactions of Li-CO ₂ nanobatteries at high temperatures in an aberration corrected environmental transmission electron microscope. Nano Research, 2022, 15, 542-550.	10.4	14
32890	Nanocomposites of Multi-walled Carbon Nanotubes and Titanium dioxide (MWCNTs/TiO ₂) as affective counter electrode materials for Platinum-free Dye-Sensitized Solar Cells (DSSCs). Solar Energy, 2021, 220, 949-952.	6.1	15
32891	Adsorption properties of acetone, acetoacetic acid and beta-hydroxybutyric acid on armchair (8, 8) gallium nitride nanotube: A Density Functional Theory approach. Results in Surfaces and Interfaces, 2021, 3, 100012.	2.4	2
32892	Optimization of removal of lead and cadmium from industrial wastewater by ethylenediamine-modified single-walled carbon nanotubes. International Journal of Environmental Science and Technology, 2022, 19, 2747-2760.	3.5	7
32893	Electroactive Triphenylamine-Based Polymer Films as Passivation Layers for Improving Electrochemical Oxidation Stability of Silver Nanowires. ACS Applied Polymer Materials, 2021, 3, 2971-2978.	4.4	8
32894	Comparative assessments of the biodistribution and toxicity of oxidized single-walled carbon nanotubes dispersed with two different reagents after intravenous injection. Nanotoxicology, 2021, 15, 798-811.	3.0	6
32895	Microstructure and compression behavior of in-situ synthesized Ti ₂ AlC reinforced Ti-48Al-2Cr alloy with carbon nanotubes addition. Journal of Alloys and Compounds, 2021, 862, 158646.	5.5	31
32896	Modulation of electric field on low-frequency plasmons of carbon nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 129, 114666.	2.7	2
32897	Mechanical properties of group IV single-walled nanotubes: a finite element approach based on the density functional theory. Journal of Molecular Modeling, 2021, 27, 163.	1.8	1

#	ARTICLE	IF	CITATIONS
32898	Advances of microwave plasma-enhanced chemical vapor deposition in fabrication of carbon nanotubes: a review. <i>Journal of Materials Science</i> , 2021, 56, 12559-12583.	3.7	15
32899	A Review of the Use of Carbon Nanotubes and Graphene-Based Sensors for the Detection of Aflatoxin M1 Compounds in Milk. <i>Sensors</i> , 2021, 21, 3602.	3.8	17
32900	Bowl-Shaped Pentagon- and Heptagon-Embedded Nanographene Containing a Central Pyrrolo[3,2 <i>b</i>]pyrrole Core. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14998-15005.	13.8	53
32901	Bending analysis of functionally graded porous nanocomposite beams based on a non-local strain gradient theory. <i>Mathematics and Mechanics of Solids</i> , 2022, 27, 66-92.	2.4	16
32902	Deep-Ultraviolet Transparent Conductive MWCNT/SiO ₂ Composite Thin Film Fabricated by UV Irradiation at Ambient Temperature onto Spin-Coated Molecular Precursor Film. <i>Nanomaterials</i> , 2021, 11, 1348.	4.1	3
32903	Improving the rutting resistance of asphalt pavement modified with the carbon nanotubes additive. <i>Ain Shams Engineering Journal</i> , 2021, 12, 3619-3627.	6.1	18
32904	The unpredictable carbon nanotube biocorona and a functionalization method to prevent protein biofouling. <i>Journal of Nanobiotechnology</i> , 2021, 19, 129.	9.1	8
32905	van der Waals corrected density functionals for cylindrical surfaces: Ammonia and nitrogen dioxide adsorbed on a single-walled carbon nanotube. <i>Physical Review B</i> , 2021, 103, .	3.2	2
32906	Effect of ionic liquids in carbon nanotube bundles on CO ₂ , H ₂ S, and N ₂ separation from CH ₄ : A computational study. <i>Journal of Chemical Physics</i> , 2021, 154, 194504.	3.0	4
32907	Applying nonlocal strain gradient theory to size-dependent analysis of functionally graded carbon nanotube-reinforced composite nanoplates. <i>Applied Mathematical Modelling</i> , 2021, 93, 775-791.	4.2	35
32908	Spent Nuclear Fuel Incineration by Fusion-Driven Liquid Transmutator Operated in Real Time by Laser. <i>Fusion Science and Technology</i> , 2021, 77, 251-265.	1.1	6
32909	A mild molecular fusion route for the synthesis of polyhedral carbon nano-onions with high graphitization. <i>Nanotechnology</i> , 2021, 32, 335602.	2.6	0
32910	Analytical Studies of SWCNTs Embedded in Nonlinear Viscous Elastic Media and the Chaotic Effect of Its Various Parameters. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2021, 31, 2150081.	1.7	0
32911	Vibration and damping characteristics of CNTR viscoelastic skewed shell structures under the influence of hygrothermal conditions. <i>Engineering With Computers</i> , 2022, 38, 3773-3792.	6.1	6
32912	Bowl-Shaped Pentagon- and Heptagon-Embedded Nanographene Containing a Central Pyrrolo[3,2 <i>b</i>]pyrrole Core. <i>Angewandte Chemie</i> , 2021, 133, 15125-15132.	2.0	14
32913	Flexible Electrothermal Laminate Films Based on Tannic Acid-Modified Carbon Nanotube/Thermoplastic Polyurethane Composite. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 7844-7852.	3.7	21
32914	Electronic structure and field emission characteristics of a new kind of BeO nanotubes: A first-principles study. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2021, 39, 030601.	1.2	1
32915	Conjugated Molecular Nanotubes. <i>Chemistry - A European Journal</i> , 2021, 27, 8642-8655.	3.3	23

#	ARTICLE	IF	CITATIONS
32916	Credit to pioneering work on carbon nanotubes. International Journal of Nanomaterials Nanotechnology and Nanomedicine, 2021, , 043-044.	0.2	0
32917	Recent advances in carbon-based nanomaterials for flame retardant polymers and composites. Composites Part B: Engineering, 2021, 212, 108675.	12.0	110
32918	Investigation of microhardness properties of the multi-walled carbon nanotube additive MgB2 structure by using the vickers method. Cryogenics, 2021, 116, 103295.	1.7	1
32919	BxCyNz nanotubes decorated with tracks of fluorine: atomic structure, stability and electronic properties. Thin Solid Films, 2021, 727, 138675.	1.8	0
32920	Optical characterization of PANI/functionalized-MWCNTs/PVA nanocomposites induced by gamma irradiation. Synthetic Metals, 2021, 276, 116755.	3.9	5
32922	Self-Photoluminescence of Unzipped Multi-Walled Carbon Nanotubes. Nanomaterials, 2021, 11, 1632.	4.1	0
32923	Optimization of Electrical Conductivity of SA-graphene Nanocomposites Using Response Surface Methodology. Chemical Research in Chinese Universities, 0, , 1.	2.6	0
32924	Perfect and Defective ¹³ C-Furan-Derived Nanothreads from Modest-Pressure Synthesis Analyzed by ¹³ C NMR. Journal of the American Chemical Society, 2021, 143, 9529-9542.	13.7	11
32925	Tribological Properties of Aluminium Reinforced with Differently Oriented Carbon Nanotube: A Molecular Dynamics Study. Surface Topography: Metrology and Properties, 2021, 9, 025035.	1.6	3
32926	Granite-MWCNTs nanocomposite coated with <i>Dialium guineense</i> stem bark extract for enhanced adsorption of chromium(VI). International Journal of Environmental Analytical Chemistry, 2023, 103, 5045-5062.	3.3	1
32927	A Facile and Efficient Bromination of Multi-Walled Carbon Nanotubes. Materials, 2021, 14, 3161.	2.9	8
32928	Highly Temperature-Stable Carbon Nanotube Transistors and Gigahertz Integrated Circuits for Cryogenic Electronics. Advanced Electronic Materials, 2021, 7, 2100202.	5.1	13
32929	Improvements in thermal and mechanical properties of composites based on epoxy-carbon nanomaterials - A brief landscape. Polymer Testing, 2021, 98, 107180.	4.8	29
32930	DFT calculation of square MoS2 nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 130, 114693.	2.7	3
32931	A comprehensive assessment of empirical potentials for carbon materials. APL Materials, 2021, 9, .	5.1	26
32932	Encapsulation of Pollutant Gaseous Molecules by Adsorption on Boron Nitride Nanotubes: A Quantum Chemistry Study. ACS Omega, 2021, 6, 14824-14837.	3.5	9
32933	Fabrication and electromechanical performance of carbon nanotube based conductive membrane and its application in real-time multimode strain detection in composites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 268, 115120.	3.5	4
32934	Graphene nanoribbon as HBr sensor: An ab-initio analysis. Materials Today: Proceedings, 2021, , .	1.8	0

#	ARTICLE	IF	CITATIONS
32935	Physicochemical properties and biocompatibility of the bi-layer polyvinyl alcohol-based hydrogel for osteochondral tissue engineering. <i>Materials and Design</i> , 2021, 204, 109652.	7.0	29
32936	Graphene-based nanocomposites as sensing elements for the electrochemical detection of pesticides: a review. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 2145-2159.	2.5	16
32937	Multifaceted Regulation of Potassium-Ion Channels by Graphene Quantum Dots. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27784-27795.	8.0	4
32938	Host-Guest Molecular Interaction Enabled Separation of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10120-10130.	13.7	44
32939	Biomass-Derived Carbon Materials: Controllable Preparation and Versatile Applications. <i>Small</i> , 2021, 17, e2008079.	10.0	105
32940	Construction of a Highly Selective and Sensitive Dopamine Enzyme-free Biosensor Based on Carbon Nanomaterials. <i>Electroanalysis</i> , 2022, 34, 717-723.	2.9	2
32941	Prediction of axial Young's modulus of epoxy matrix reinforced by group-IV nanotube: A finite element investigation. <i>Mechanics of Materials</i> , 2021, 157, 103819.	3.2	4
32942	A review on carbon nanotube: An overview of synthesis, properties, functionalization, characterization, and the application. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 268, 115095.	3.5	260
32943	Carbon nanotubes reinforced with natural/synthetic polymers to mimic the extracellular matrices of bone – a review. <i>Materials Today Chemistry</i> , 2021, 20, 100420.	3.5	17
32944	In Situ Microwave Synthesis of SnO ₂ -Porous Biomass Carbon as Anode Materials for Lithium-Ion Batteries. <i>Advanced Engineering Materials</i> , 2021, 23, 2100064.	3.5	8
32945	Direct integration of carbon nanotubes on a suspended Pt microheater for hydrogen gas sensing. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19626-19634.	2.2	8
32946	Biosensing applications of carbon-based materials. <i>Current Opinion in Biomedical Engineering</i> , 2021, 18, 100274.	3.4	39
32947	Scalable, Divergent Synthesis of a High Aspect Ratio Carbon Nanobelt. <i>Journal of the American Chemical Society</i> , 2021, 143, 8619-8624.	13.7	43
32948	Low energy and area efficient quaternary multiplier with carbon nanotube field effect transistors. <i>ETRI Journal</i> , 2021, 43, 717-727.	2.0	1
32949	Designing of Inorganic Al ₁₂ N ₁₂ Nanocluster with Fe, Co, Ni, Cu and Zn Metals for Efficient Hydrogen Storage Materials. <i>Journal of Computational Biophysics and Chemistry</i> , 2021, 20, 359-375.	1.7	26
32950	Recent progress in synthesis, growth mechanisms, properties, and applications of silicon nitride nanowires. <i>Ceramics International</i> , 2021, 47, 14944-14965.	4.8	26
32951	Facile functionalization of multi walled carbon nanotubes with L-Proline: A spectroscopic approach. <i>Chemical Data Collections</i> , 2021, 33, 100715.	2.3	1
32953	Graphene preparation and graphite exfoliation. <i>Turkish Journal of Chemistry</i> , 2021, 45, 493-519.	1.2	45

#	ARTICLE	IF	CITATIONS
32954	Collective plasmonic oscillations of zigzag boron-nitride nanotubes in the presence of Holstein phonons. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 130, 114687.	2.7	0
32955	Atomicâ€œOrderingâ€œInduced Modulated Properties of Zigzag ZnTe Nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2100115.	1.5	0
32956	Carbon nanotubes-supported Ag/MoO ₂ or Ag/MnO ₂ heterostructures for a highly efficient oxygen reduction reaction. <i>Materials Characterization</i> , 2021, 176, 111147.	4.4	10
32957	Functionalization as a way to enhance dispersion of carbon nanotubes in matrices: a review. <i>Materials Today Chemistry</i> , 2021, 20, 100477.	3.5	51
32958	Electrochemical biosensors for the quantification of streptomycin in food systems: an overview. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-16.	3.3	0
32959	Complex Phenomenal Growth of Multi-walled Carbon Nanotubes in Conventional Arc Discharge Process. <i>Transactions of the Indian Institute of Metals</i> , 2021, 74, 2043-2048.	1.5	2
32960	Impact of carbon Nano tubes on fresh and hardned properties of conventional concrete. <i>Materials Today: Proceedings</i> , 2023, 80, 1920-1925.	1.8	5
32961	In vitro targeting and selective killing of mcf-7 and colo320dm cells by 5-fluorouracil anchored to carboxylated SWCNTs and MWCNTs. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 71.	3.6	7
32962	Ball Milled Al Spheres for the Manufacturing of Casting-Based Al-CNT Composites. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 46-56.	0.4	0
32963	Experimental investigation of flexural enhancement of RC beams with multi-walled carbon nanotubes. <i>Case Studies in Construction Materials</i> , 2021, 14, e00480.	1.7	6
32964	Carbon Nanotube-Based Scaffolds for Cardiac Tissue Engineeringâ€œSystematic Review and Narrative Synthesis. <i>Bioengineering</i> , 2021, 8, 80.	3.5	11
32965	Computational Investigations of Fixed-Free and Fixed-Fixed Types Single-Wall Carbon Nanotube Mass Sensing Biosensor. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-13.	1.8	1
32966	Fabricating Silicon Nanotubes by Electrochemical Exfoliation and Reduction of Layer-Structured CaSiO ₃ in Molten Salt. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30668-30677.	8.0	18
32967	A Multi-Scale Method for Designing Hybrid Fiber-Reinforced Composite Drive Shafts with Carbon Nanotube Inclusions. <i>Journal of Composites Science</i> , 2021, 5, 157.	3.0	10
32968	Mechanical properties of aluminium-graphene/carbon nanotubes (CNTs) metal matrix composites: Advancement, opportunities and perspective. <i>Materials Research Bulletin</i> , 2021, 138, 111224.	5.2	99
32969	Porous aerogel and sponge composites: Assisted by novel nanomaterials for electromagnetic interference shielding. <i>Nano Today</i> , 2021, 38, 101204.	11.9	142
32970	Structure optimization for improving the strength and ductility of heterogeneous carbon nanotube/Alâ€œCuâ€œMg composites. <i>Carbon</i> , 2021, 178, 190-201.	10.3	43
32971	Collapse phase diagram of carbon nanotubes with arbitrary number of walls. Collapse modes and macroscopic analog. <i>Carbon</i> , 2021, 178, 552-562.	10.3	12

#	ARTICLE	IF	CITATIONS
32972	Power Withstanding Capability and Transient Temperature of Carbon Nanotube-Based Nano Electrical Interconnects. ECS Journal of Solid State Science and Technology, 2021, 10, 061008.	1.8	2
32973	Analytical solution for static and free vibration analysis of functionally graded CNT-reinforced sandwich plates. Archive of Applied Mechanics, 2021, 91, 3819-3834.	2.2	11
32974	Smart Biosensors for Cancer Diagnosis Based on Graphene Quantum Dots. Cancers, 2021, 13, 3194.	3.7	39
32975	Free and Forced Vibration Characteristics of CNT Reinforced Composite Spherical Sandwich Shell Panels with MR Elastomer Core. International Journal of Structural Stability and Dynamics, 2021, 21, 2150136.	2.4	16
32976	A review concerning the main factors that interfere in the electrical percolation threshold content of polymeric antistatic packaging with carbon fillers as antistatic agent. Nano Select, 2022, 3, 248-260.	3.7	16
32977	Plasma Enhanced Chemical Vapor Deposition of Organic Polymers. Processes, 2021, 9, 980.	2.8	6
32978	Preparation and mechanic properties of multi-wall carbon nanotube reinforced alumina matrix composites by spray drying and hot-pressing sintering. Materials Research Express, 2021, 8, 065005.	1.6	1
32979	Investigating the influence of carbon nanotube on the performance of asphalt binder. Progress in Rubber, Plastics and Recycling Technology, 2021, 37, 422-440.	1.8	4
32980	Nonlocal Vibration Analysis of a Nonuniform Carbon Nanotube with Elastic Constraints and an Attached Mass. Materials, 2021, 14, 3445.	2.9	8
32981	Disposable electrochemical flow cell with paper-based electrode assemble. Journal of Electroanalytical Chemistry, 2021, 891, 115268.	3.8	5
32982	Carbon nanotubes bulk modified printed electrochemical sensor for green determination of vortioxetine hydrobromide by linear sweep voltammetry. Measurement: Journal of the International Measurement Confederation, 2021, 177, 109239.	5.0	8
32983	Addressing the Theoretical and Experimental Aspects of Low-Dimensional-Materials-Based FET Immunosensors: A Review. Chemosensors, 2021, 9, 162.	3.6	5
32984	Yeast-Derived Carbon Nanotube-Coated Separator for High Performance Lithium-Sulfur Batteries. Jom, 2021, 73, 2516-2524.	1.9	17
32985	Factorial Investigation of Cobalt Retention by Ti and Fe Oxides-Modified Carbon Nanotubes: Multivariate Against Univariate Analysis. Frontiers in Chemistry, 2021, 9, 690420.	3.6	1
32986	Effects of the carbon nanotube and polymer amounts on ultrafiltration membranes. Environmental Engineering Research, 2022, 27, 210626-0.	2.5	4
32987	Bio-nanocomposites of graphene with biopolymers; fabrication, properties, and applications. Advances in Colloid and Interface Science, 2021, 292, 102416.	14.7	62
32988	The stability loss of a locally curved double-walled carbon nanotube in visco-elastic matrix. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110127.	2.1	0
32989	Manganese Oxide Carbon-Based Nanocomposite in Energy Storage Applications. Solids, 2021, 2, 232-248.	2.4	34

#	ARTICLE	IF	CITATIONS
32990	A review exploring the adsorptive removal of organic micropollutants on tailored hierarchical carbon nanotubes. Toxicological and Environmental Chemistry, 2021, 103, 282-325.	1.2	6
32991	Structure and stability of deformed partially hydrogenated carbon nanotubes. Modern Physics Letters B, 2021, 35, 2150399.	1.9	0
32992	The Network Structure Formation of Cu-CNTs Composites During Multi-Directional Forging Process and its Mechanical Properties. Nano, 2021, 16, 2150070.	1.0	2
32993	Near-infrared nanoscopy with carbon-based nanoparticles for the exploration of the brain extracellular space. Neurobiology of Disease, 2021, 153, 105328.	4.4	23
32994	Activity Maintenance Characteristics and Protease Adsorption on Langmuir Monolayer of Organoâ€Modified Singleâ€Walled Carbon Nanotubes. ChemistrySelect, 2021, 6, 5329-5337.	1.5	3
32995	Recent Advances on Properties and Utility of Nanomaterials Generated from Industrial and Biological Activities. Crystals, 2021, 11, 634.	2.2	13
32996	Synthesis and Purification of Carbon Nanotubes. , 0, , .		0
32997	Periodically structured stretchable bundles of carbon nanofibers. Japanese Journal of Applied Physics, 2021, 60, 075002.	1.5	0
32998	Carbon Nanotube Research in Its 30th Year. ACS Nano, 2021, 15, 9197-9200.	14.6	15
32999	Progress in light-to-frequency conversion circuits based on low dimensional semiconductors. Nano Research, 2021, 14, 2938-2964.	10.4	4
33000	Atomic-scale investigation of carbon-based materials by gentle transmission electron microscopy. New Carbon Materials, 2021, 36, 497-511.	6.1	8
33001	The Influence of Fe/Al Molar Ratio on Microreactor-Based Catalyst Preparation and Carbon Nanotube Preparation. Materials Science Forum, 0, 1036, 130-136.	0.3	0
33002	Investigation of the thermal conductivity of tetrabenzo[8]circulene (TB8C) by molecular dynamics simulation. Molecular Simulation, 2021, 47, 1002-1009.	2.0	6
33003	Chemical Identification and Bond Control of Î€-Skeletons in a Coupling Reaction. Journal of the American Chemical Society, 2021, 143, 9461-9467.	13.7	19
33004	Mechanical and dynamic properties of stable two-dimensional boron-substituted ThMoB4â€type graphene: First-Principles Study. Materials Today Communications, 2021, 27, 102322.	1.9	3
33005	Low lattice thermal conductivity of pentadiamond. Journal of Applied Physics, 2021, 129, .	2.5	9
33006	Photoelectrochemical Waterâ€Splitting Using CuOâ€Based Electrodes for Hydrogen Production: A Review. Advanced Materials, 2021, 33, e2007285.	21.0	127
33007	A chalcogenide-cluster-based semiconducting nanotube array with oriented photoconductive behavior. Nature Communications, 2021, 12, 4275.	12.8	17

#	ARTICLE	IF	CITATIONS
33008	Mechanism of vertically arrays of carbon nanotubes by camphor based catalysed in-situ growth. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 476-486.	2.1	6
33009	Measurement of elastic modulus of CNT composites: a nondestructive study. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-7.	2.1	6
33010	A review on supramolecules/nanocomposites based on carbonic precursors and dielectric/conductive polymers and their applications. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 269, 115181.	3.5	6
33011	Dynamic analysis of wave propagation and buckling phenomena in carbon nanotubes(CNTs). Wave Motion, 2021, 104, 102730.	2.0	5
33012	An anchoring array assembly method for enhancing the electrical conductivity of composites of polypropylene and hybrid fillers. Composites Science and Technology, 2021, 211, 108846.	7.8	6
33013	Optimization of CNT/polymer/fiber laminated truncated conical panels for maximum fundamental frequency and minimum cost. Mechanics Based Design of Structures and Machines, 2023, 51, 3922-3944.	4.7	20
33014	Face index of nanotubes and regular hexagonal lattices. International Journal of Quantum Chemistry, 2021, 121, e26761.	2.0	3
33015	CNT/Epoxy-Masterbatch Based Nanocomposites: Thermal and Electrical Properties. , 2021, , .		4
33016	Shaping and structuring 2D materials via kirigami and origami. Materials Science and Engineering Reports, 2021, 145, 100621.	31.8	36
33017	Silicone Rubber Composites Reinforced by Carbon Nanofillers and Their Hybrids for Various Applications: A Review. Polymers, 2021, 13, 2322.	4.5	70
33018	Recent advances on the fundamental physical phenomena behind stability, dynamic motion, thermophysical properties, heat transport, applications, and challenges of nanofluids. Physics Reports, 2022, 946, 1-94.	25.6	179
33019	Dynamics of water conveying SWCNT nanoparticles and swimming microorganisms over a Riga plate subject to heat source/sink. AEJ - Alexandria Engineering Journal, 2022, 61, 2418-2429.	6.4	49
33020	Evaluation of Titanate Nanotubes (TiNTs) as a Modifier for the Determination of Lead (II) by Differential Pulse Adsorptive Stripping Voltammetry (DPAdSV). Analytical Letters, 2022, 55, 146-158.	1.8	2
33021	Novel collagen/GO-MWNT hybrid fibers with improved strength and toughness by dry-jet wet spinning. Composite Interfaces, 2022, 29, 413-429.	2.3	8
33022	EFFECT OF MACHINING PARAMETERS ON SURFACE ROUGHNESS, POWER CONSUMPTION, AND MATERIAL REMOVAL RATE OF ALUMINIUM 6065-SI-MWCNT METAL MATRIX COMPOSITE IN TURNING OPERATIONS. IJUM Engineering Journal, 2021, 22, 283-293.	0.8	0
33023	Rapid synthesis of few-layer graphdiyne using radio frequency heating and its application for dendrite-free zinc anodes. 2D Materials, 2021, 8, 044003.	4.4	10
33024	Effect of sintering temperature on the physiochemical properties, microstructure, and compressive strength of a bioceramic root canal sealer reinforced with multi-walled carbon nanotubes and titanium carbide. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 119, 104524.	3.1	5
33025	Computational Prediction of a Novel Superhard sp ³ Trigonal Carbon Allotrope with Bandgap Larger than Diamond. Chinese Physics Letters, 2021, 38, 076101.	3.3	14

#	ARTICLE	IF	CITATIONS
33026	New Multi-Walled carbon nanotube of industrial interest induce cell death in murine fibroblast cells. Toxicology Mechanisms and Methods, 2021, 31, 517-530.	2.7	6
33027	Recent advances in printable carbon nanotube transistors for large-area active matrices. Journal of Information Display, 2021, 22, 193-209.	4.0	10
33028	Fabrication of Electrochemical Biosensor Based on Titanium Dioxide Nanotubes and Silver Nanoparticles for Heat Shock Protein 70 Detection. Materials, 2021, 14, 3767.	2.9	20
33029	Preparation and Characterization of Functional Multi-Walled Carbon Nanotubes (MWCNTs) through Acidification and Radiation Induced Graft Polymerization. High Energy Chemistry, 2021, 55, 300-305.	0.9	3
33030	A Comparative Study on the Role of Polyvinylpyrrolidone Molecular Weight on the Functionalization of Various Carbon Nanotubes and Their Composites. Polymers, 2021, 13, 2447.	4.5	7
33031	Development of novel TPI/HDPE/CNTs ternary hybrid shape memory nanocomposites. Nanotechnology, 2021, 32, 405706.	2.6	8
33032	Growing carbon nanotubes on continuous carbon fibers to produce composites with improved interfacial properties: A step towards commercial production and application. Composites Science and Technology, 2021, 211, 108870.	7.8	44
33033	Nuclear quantum effects on the quasiparticle properties of the chloride anion aqueous solution within the GW approximation. Physical Review B, 2021, 104, .	3.2	6
33034	Tunable carbon nanotube diode with varying asymmetric geometry. AIP Advances, 2021, 11, 075212.	1.3	2
33035	Superlattice on the surface of a nanotube. Low Temperature Physics, 2021, 47, 533-549.	0.6	2
33036	The Brain-Machine Interface: Nanotechnology and Cybernetics 60 Years After Norbert Wiener. , 2021, , .		0
33037	Mechanical properties of single-walled penta-graphene-based nanotubes: A DFT and Classical molecular dynamics study. Chemical Physics, 2021, 547, 111187.	1.9	6
33038	Synergistic effect of carbon nanotube/TiO2 nanotube multi-scale reinforcement on the mechanical properties and hydration process of portland cement paste. Construction and Building Materials, 2021, 293, 123447.	7.2	34
33039	Experimental study on turning performance of a novel nanofluid prepared by composites of MWCNTs. International Journal of Advanced Manufacturing Technology, 2021, 116, 2373-2385.	3.0	2
33040	Study on acidified carbon nanotubes modified polyacrylonitrile hollow fiber membrane. Ferroelectrics, 2021, 578, 169-178.	0.6	0
33041	Continuous interlaminar shear stress analysis of laminated FG-CNTRC beams based on an extended high-order layerwise model. Mechanics of Advanced Materials and Structures, 2022, 29, 5006-5025.	2.6	4
33042	Chaos of a Single-Walled Carbon Nanotube Resulting from Periodic Parameter Perturbation. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2021, 31, 2150130.	1.7	2
33043	Comparative Mechanical, Tribological and Morphological Properties of Epoxy Resin Composites Reinforced With Multi-Walled Carbon Nanotubes. Arabian Journal for Science and Engineering, 2022, 47, 8059-8067.	3.0	6

#	ARTICLE	IF	CITATIONS
33044	Three-dimensional acetylenic modified graphene for high-performance optoelectronics and topological materials. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	4
33045	The adverse effects of injected functionalized multi-walled carbon nanotube (f-MWCNT) on in vivo neurosecretory brain cells of Jamaican field cricket, <i>Gryllus assimilis</i> . <i>Environmental Science and Pollution Research</i> , 2021, 28, 66968-66977.	5.3	3
33046	Dynamic analysis of nanoscale Timoshenko CNTs based on doublet mechanics under moving load. <i>European Physical Journal Plus</i> , 2021, 136, 1.	2.6	24
33047	A quasi-three-dimensional isogeometric model for porous sandwich functionally graded plates reinforced with graphene nanoplatelets. <i>Journal of Sandwich Structures and Materials</i> , 2022, 24, 825-859.	3.5	24
33048	Effect of Pt-Mn nanoparticles supported on CNT in methanol electro-oxidation reaction, experimental, and theoretical studies. <i>Journal of Materials Research</i> , 2021, 36, 4216-4226.	2.6	3
33049	X-ray absorption near edge spectroscopy of the electronic structure of potassium adsorbed single walled carbon nanotubes. <i>Physica Scripta</i> , 2021, 96, 105803.	2.5	1
33050	Porous 3D Silicon@Diamondyne Blooms Excellent Storage and Diffusion Properties for Li, Na, and K Ions. <i>Advanced Energy Materials</i> , 2021, 11, 2101197.	19.5	35
33051	Molecular Control of Carbon-Based Oxygen Reduction Electrocatalysts through Metal Macrocyclic Complexes Functionalization. <i>Advanced Energy Materials</i> , 2021, 11, 2100866.	19.5	60
33052	The effect of iron decorated MWCNTs and iron-ionic liquid decorated MWCNTs onto thermal decomposition of ammonium perchlorate. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1607-1619.	1.2	25
33053	Comprehensive review on carbon nanotubes embedded in different metal and polymer matrix: fabrications and applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 837-864.	12.3	31
33054	Chirality dependent structural, electronic and mechanical properties of pristine Ag, Au and Pt nanotubes: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 131, 114745.	2.7	4
33056	High-strength carbon nanotube/epoxy resin composite film from a controllable cross-linking reaction. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021, 146, 106409.	7.6	22
33057	Behaviors of Electromagnetic Wave Propagation in Double-Walled Carbon Nanotubes. <i>Materials</i> , 2021, 14, 4069.	2.9	3
33058	Hybrid approach for dynamic analysis of single-walled Boron Nitride Nanotube (SW-BNNT) in presence of vacancy defect. <i>Materials Today: Proceedings</i> , 2021, 47, 3413-3417.	1.8	1
33059	Effect of Grinding and the Mill Type on Magnetic Properties of Carboxylated Multiwall Carbon Nanotubes. <i>Materials</i> , 2021, 14, 4057.	2.9	2
33060	Study on the nonlinear vibration of embedded carbon nanotube via the Hamiltonian-based method. <i>Journal of Low Frequency Noise Vibration and Active Control</i> , 2022, 41, 112-117.	2.9	13
33061	A DFT Study on the Interaction of Doped Carbon Nanotubes with H ₂ S, SO ₂ and Thiophene. <i>Quantum Reports</i> , 2021, 3, 366-375.	1.3	8
33062	Polymer/Carbon Nanocomposites for Biomedical Applications. <i>Advances in Material Research and Technology</i> , 2022, , 109-150.	0.6	2

#	ARTICLE	IF	CITATIONS
33063	We can use carbon to decarbonize“and get hydrogen for free. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
33064	Two dimensional kinematic models for CNT reinforced sandwich cylindrical panels with accurate transverse interlaminar shear stress estimation. Thin-Walled Structures, 2021, 164, 107881.	5.3	9
33065	Fenton-like reaction driving the degradation and uptake of multi-walled carbon nanotubes mediated by bacterium. Chemosphere, 2021, 275, 129888.	8.2	5
33066	The phonon transport properties in cubic graphene with entirely sp ² hybridization state. Physics Letters, Section A: General, Atomic and Solid State Physics, 2021, 404, 127410.	2.1	1
33067	Electrical Conductivity and Thermal Sensing of CNTs/Polymer Nanocomposites. , 2021, , .		0
33068	Health monitoring of composite single lap joints with highly sensitive MWCNTs film sensors. Journal of Adhesion Science and Technology, 0, , 1-18.	2.6	0
33069	Review: Sensors for Biosignal/Health Monitoring in Electronic Skin. Polymers, 2021, 13, 2478.	4.5	22
33070	Microbial Fuel Cell as a Bioelectrochemical Sensor of Nitrite Ions. Processes, 2021, 9, 1330.	2.8	5
33071	Electrocatalytic Isoxazoline“Nanocarbon Metal Complexes. Journal of the American Chemical Society, 2021, 143, 10441-10453.	13.7	18
33072	Carbon clathrates as strong lightweight structures. International Journal of Mechanical Sciences, 2021, 202-203, 106509.	6.7	6
33073	Carbon Nanotube (CNTs): Structure, Synthesis, Purification, Functionalisation, Pharmacology, Toxicology, Biodegradation and Application as Nanomedicine and Biosensor. , 2021, 001, .		3
33074	Various Electrode Configurations Effect on the Electronic Transport of CNT/Benzene/CNT System by DFT-NEGF Method. Iranian Journal of Science and Technology, Transaction A: Science, 2021, 45, 1657-1663.	1.5	0
33075	Ultrahigh Convergent Thermal Conductivity of Carbon Nanotubes from Comprehensive Atomistic Modeling. Physical Review Letters, 2021, 127, 025902.	7.8	18
33076	Indium (In)-Catalyzed Silicon Nanowires (Si NWs) Grown by the Vapor“Liquid“Solid (VLS) Mode for Nanoscale Device Applications. , 0, , .		0
33077	High-Throughput Screening of Element-Doped Carbon Nanotubes Toward an Optimal One-Dimensional Superconductor. Journal of Physical Chemistry Letters, 2021, 12, 6667-6675.	4.6	4
33078	Photoluminescent Properties of Hydroxyapatite and Hydroxyapatite/Multi-Walled Carbon Nanotube Composites. Crystals, 2021, 11, 832.	2.2	17
33079	Removal of Heavy Metals from Wastewater by Adsorption. , 0, , .		8
33080	Emerging coaxial nanostructures for clean energy generation and storage systems: A minireview. Journal of Materials Research, 2021, 36, 4084-4101.	2.6	4

#	ARTICLE	IF	CITATIONS
33081	A review on nano-carbon materials for pollution remediation. Egyptian Journal of Chemistry, 2021, .	0.2	1
33082	DFT Study of Chemical Adsorption of NO ₂ Gas on Graphene Nano Material. Materials Science Forum, 0, 1039, 391-397.	0.3	4
33083	Carbon Nanotubes: A Summary of Beneficial and Dangerous Aspects of an Increasingly Popular Group of Nanomaterials. Frontiers in Oncology, 2021, 11, 693814.	2.8	23
33084	A Review of Conductive Carbon Materials for 3D Printing: Materials, Technologies, Properties, and Applications. Materials, 2021, 14, 3911.	2.9	34
33085	Sensing Organophosphorus Compounds with SWCNT Films. Sensors, 2021, 21, 4915.	3.8	1
33086	Combinatorics of chiral and stereo isomers of substituted nanotubes: applications of Eulerian character indices and comparison with bondonic formalism. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-19.	2.1	3
33087	A new approach to plastic recycling via the concept of microfibrillar composites. Advanced Industrial and Engineering Polymer Research, 2021, 4, 187-198.	4.7	18
33088	CO and NO selective adsorption by a C16Mg8O8 nanocage: A DFT Study. Main Group Chemistry, 2021, 20, 489-499.	0.8	2
33089	Introductory Chapter: Introduction to Advanced Carbon Materials and Innovative Engineering Applications. , 0, , .		1
33090	Charge/discharge properties of activated carbon/ruthenocene hybrid electrodes in an ionic liquid electrolyte. Journal of Solid State Chemistry, 2021, 299, 122149.	2.9	3
33091	Electroanalytical overview: utilising micro- and nano-dimensional sized materials in electrochemical-based biosensing platforms. Mikrokimika Acta, 2021, 188, 268.	5.0	28
33092	Toxicity and remediation of pharmaceuticals and pesticides using metal oxides and carbon nanomaterials. Chemosphere, 2021, 275, 130055.	8.2	89
33093	Vibrational and electronic properties of (5,0) zigzag and (5,5) armchair carbon and SiC nanotubes using density functional theory. Physica B: Condensed Matter, 2021, 615, 413074.	2.7	1
33094	Carbon-nanotube-based ultralight materials for ultrabroadband electromagnetic wave shielding and absorption. Japanese Journal of Applied Physics, 2021, 60, 087003.	1.5	6
33095	Linear and nonlinear thermal spin transport properties of zigzag $\hat{\pm}$ -graphyne nanoribbons with sp^2 edges. Chemical Physics Letters, 2021, 777, 138724.	2.6	7
33096	Benzo-fused Tri[8]annulenes as Molecular Models of Cubic Graphite. Angewandte Chemie - International Edition, 2021, 60, 20220-20224.	13.8	12
33097	Multi-walled carbon nanotubes and chromium ferrites nanoparticles nanohybrids as anode materials for lithium-ion batteries. Journal of Alloys and Compounds, 2021, 872, 159654.	5.5	6
33098	Direct Electrochemical Determination of Peroxide-Type Explosives Using Well-Dispersed Multi-Walled Carbon Nanotubes/Polyethyleneimine-Modified Glassy Carbon Electrodes. Analytical Chemistry, 2021, 93, 11451-11460.	6.5	15

#	ARTICLE	IF	CITATIONS
33099	Computational Study of Adsorption Effects of Karanjin Drug Over Carbon Nanotube (C56H16) as Factor of Drug Delivery System – A Quantum Chemical Approach. Nano, 2021, 16, .	1.0	5
33100	Three-dimensional analysis of a counterweight type space elevator. Acta Astronautica, 2021, 185, 132-139.	3.2	7
33101	Chlorosulfonic Acid Stretched Carbon Nanotube Sheet for Flexible and Low-Voltage Heating Applications. Nanomaterials, 2021, 11, 2132.	4.1	6
33102	A novel rotation transmission nano-system based on Carbon@Boron-Nitride@Carbon heterogeneous nanotubes: A molecular dynamics study. Computational Materials Science, 2021, 196, 110517.	3.0	4
33103	Heterostructural conductive polymer with multi-dimensional carbon materials for capacitive energy storage. Applied Surface Science, 2021, 558, 149910.	6.1	16
33104	Predicting carbon nanotube forest attributes and mechanical properties using simulated images and deep learning. Npj Computational Materials, 2021, 7, .	8.7	19
33105	Personal Thermal Management by Single-Walled Carbon Nanotubes Functionalized Polyester Fabrics. Materials, 2021, 14, 4616.	2.9	0
33106	Multi-Walled Carbon Nanotube-Assisted Encapsulation Approach for Stable Perovskite Solar Cells. Molecules, 2021, 26, 5060.	3.8	8
33107	Modification of regenerated cellulose ultrafiltration membranes with multi-walled carbon nanotubes for enhanced antifouling ability: Field test and mechanism study. Science of the Total Environment, 2021, 780, 146657.	8.0	14
33108	Recent Advances and Applications Toward Emerging Lithium–Sulfur Batteries: Working Principles and Opportunities. Energy and Environmental Materials, 2022, 5, 777-799.	12.8	106
33109	Analysis of carbon nanotube reinforced composite plate using finite element method with higher order zigzag theory. Advances in Materials and Processing Technologies, 2022, 8, 1699-1713.	1.4	2
33110	Carbothermal shock enabled facile and fast growth of carbon nanotubes in a second. Nano Research, 2022, 15, 2576-2581.	10.4	11
33111	Methods of the Controlled Growth and Post Separation for Chirality-Specific Carbon Nanotubes. Key Engineering Materials, 0, 896, 99-109.	0.4	0
33112	Study of Generalized Hourglass Section in Carbon Nanocone via Connection Number. Journal of Chemistry, 2021, 2021, 1-8.	1.9	0
33113	Nanocarbon-Based Flame Retardant Polymer Nanocomposites. Molecules, 2021, 26, 4670.	3.8	25
33114	Effect of Au-Al Dual-Metal Gate on 3D Double-Gate Junctionless Transistor Performance. Algorithms for Intelligent Systems, 2022, , 421-429.	0.6	0
33115	Determination of Metallic Impurities in Carbon Nanotubes by Glow Discharge Mass Spectrometry. ACS Omega, 2021, 6, 22717-22725.	3.5	4
33116	Unconventional Thermoelectric Materials for Energy Harvesting and Sensing Applications. Chemical Reviews, 2021, 121, 12465-12547.	47.7	186

#	ARTICLE	IF	CITATIONS
33117	An Insight into Processing and Properties of Smart Carbon Nanotubes Reinforced Nanocomposites. Smart Science, 2022, 10, 40-55.	3.2	19
33118	Countering major challenges confronting photocatalytic technology for the remediation of treated palm oil mill effluent: A review. Environmental Technology and Innovation, 2021, 23, 101764.	6.1	12
33119	Molecular-strain engineering of double-walled tetrahedra. Chem, 2021, 7, 2160-2174.	11.7	23
33120	Determination of Atorvastatin with Voltammetric Sensors Based on Nanomaterials. Inventions, 2021, 6, 57.	2.5	12
33121	Orthorhombic C36: a sp ² –sp ³ carbon with pressure-induced metallization and superconductivity. Journal of Materials Science, 2021, 56, 17665-17673.	3.7	7
33122	A critical overview of adsorption kinetics for cooling and refrigeration systems. Advances in Colloid and Interface Science, 2021, 294, 102468.	14.7	21
33123	Advanced Metallic and Polymeric Coatings for Neural Interfacing: Structures, Properties and Tissue Responses. Polymers, 2021, 13, 2834.	4.5	23
33124	Recent progress on improving the mechanical, thermal and electrical conductivity properties of polyimide matrix composites from nanofillers perspective for technological applications. Journal of Polymer Engineering, 2021, .	1.4	4
33125	Recent Nanocarrier Approaches for Targeted Drug Delivery in Cancer Therapy. Current Molecular Pharmacology, 2021, 14, 350-366.	1.5	9
33126	Nylon 6,6 composites with carbon fiber covalently bonded to functionalized carbon nanotubes fabricated by reactive extrusion. Journal of Industrial and Engineering Chemistry, 2021, 100, 364-371.	5.8	2
33127	Challenges towards Targeted Drug Delivery in Cancer Nanomedicines. Processes, 2021, 9, 1527.	2.8	36
33128	An analytical solution for the free vibration of FG nanoplates. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	38
33129	Atrial Natriuretic Peptide Antibody-Functionalised, PEGylated Multiwalled Carbon Nanotubes for Targeted Ischemic Stroke Intervention. Pharmaceutics, 2021, 13, 1357.	4.5	6
33131	Photocurrent in carbon nanotube bundle: Graded Seebeck coefficient phenomenon. Nano Energy, 2021, 86, 106054.	16.0	9
33132	Carbon nanotube-based CMOS transistors and integrated circuits. Science China Information Sciences, 2021, 64, 1.	4.3	4
33133	Paraffin Wax [As a Phase Changing Material (PCM)] Based Composites Containing Multi-Walled Carbon Nanotubes for Thermal Energy Storage (TES) Development. Crystals, 2021, 11, 951.	2.2	11
33134	Adsorption modeling of organic compounds (OCs) by carbon nanotubes (CNTs): role of OC and CNT properties on the linear solvation energy relationship. Water Science and Technology, 2021, 84, 1635-1647.	2.5	4
33135	The electronic transport properties of SWCNTs under the influence of deformation and a magnetic field. Physica B: Condensed Matter, 2021, 615, 413063.	2.7	0

#	ARTICLE	IF	CITATIONS
33136	Estimation of Number of Graphene Layers Using Different Methods: A Focused Review. <i>Materials</i> , 2021, 14, 4590.	2.9	87
33137	Recent progress on carbon based desalination membranes and carbon nanomaterial incorporated non-polyamide desalination membranes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105762.	6.7	13
33138	Comprehensive review on ultrasound-responsive theranostic nanomaterials: mechanisms, structures and medical applications. <i>Beilstein Journal of Nanotechnology</i> , 2021, 12, 808-862.	2.8	22
33139	Characterizations of Polypropylene/Single-Walled Carbon Nanotube Nanocomposites Prepared by the Novel Melt Processing Technique with a Controlled Residence Time. <i>Processes</i> , 2021, 9, 1395.	2.8	4
33140	Evaluation of the Carbon Nanostructures Toxicity as a Function of Their Dimensionality Using Model Organisms: a Review. <i>Water, Air, and Soil Pollution</i> , 2021, 232, 1.	2.4	8
33141	Investigating mechanical properties and thermal conductivity of 2D carbon-based materials by computational experiments. <i>Computational Materials Science</i> , 2021, 196, 110493.	3.0	13
33142	Humid air plasma-assisted surface treatment as a green functionalization technique to enhance the multi-walled carbon nanotubes dispersion and stability in aqueous solutions. <i>Journal of Dispersion Science and Technology</i> , 0, , 1-10.	2.4	1
33143	Plasma synthesis of Pt/g-C ₃ N ₄ photocatalysts with enhanced photocatalytic hydrogen generation. <i>Journal of Alloys and Compounds</i> , 2021, 873, 159871.	5.5	51
33145	Effect of MWCNTs on the Wetting Behavior of PP/NR Blends. <i>Macromolecular Symposia</i> , 2021, 398, 2000214.	0.7	9
33146	Carbon Nanotube Based Radio Frequency Transistors for K-Band Amplifiers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 37475-37482.	8.0	9
33147	Hybrid nanoparticles embedded polyvinyl butyral nanocomposites for improved mechanical, thermal and microwave absorption performance. <i>Journal of Composite Materials</i> , 0, , 002199832110395.	2.4	2
33148	Recent Advances in Sample Preparation for Cosmetics and Personal Care Products Analysis. <i>Molecules</i> , 2021, 26, 4900.	3.8	24
33149	Water lubrication of graphene oxide-based materials. <i>Friction</i> , 2022, 10, 977-1004.	6.4	19
33150	Facile synthesis and applications of carbon nanotubes in heavy-metal remediation and biomedical fields: A comprehensive review. <i>Journal of Molecular Structure</i> , 2021, 1238, 130462.	3.6	72
33151	Novel emerging graphdiyne based two dimensional materials: Synthesis, properties and renewable energy applications. <i>Nano Today</i> , 2021, 39, 101207.	11.9	49
33152	Microwave Absorption Performance of Single-Layer and Multi-Layer Structures Prepared by CNTs/Fe ₃ O ₄ Nonwoven Materials. <i>Crystals</i> , 2021, 11, 1000.	2.2	9
33153	Synthesis and characterization of catalytic CVD growth pristine and functionalized MWCNT. <i>Journal of Applied Physics</i> , 2021, 130, 075106.	2.5	2
33154	Coverage-dependent magnetic and electronic properties of graphene with Co adatoms. <i>International Journal of Modern Physics C</i> , 2021, 32, .	1.7	0

#	ARTICLE	IF	CITATIONS
33155	Versatile zero- to three-dimensional carbon for electrochemical energy storage. , 2021, 3, 895-915.		41
33156	Structure and properties of Be- and Mg-doped cyclo[18]carbon. European Physical Journal D, 2021, 75, 1.	1.3	6
33157	Dynamic Properties of Nonlocal Temperature-Dependent FG Nanobeams under Various Thermal Environments. Transport in Porous Media, 2022, 142, 187-208.	2.6	21
33158	Molecular dynamics study on the effect of polymer physisorption on the thermal conductivity of cross-linked functionalized carbon nanotubes. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 3663-3671.	2.1	1
33159	Benzo-fused Tri[8]annulenes as Molecular Models of Cubic Graphite. Angewandte Chemie, 2021, 133, 20382-20386.	2.0	5
33160	Synthesis and characterization of boron nitride nanotubes (BNNTs) with a new method and precursor materials. G4m4hane �niversitesi Fen Bilimleri Enstit�s� Dergisi, 0, , .	0.0	1
33161	Transverse wave propagation analysis in single-walled and double-walled carbon nanotubes via higher-order doublet mechanics theory. Waves in Random and Complex Media, 2023, 33, 762-793.	2.7	4
33162	Toxicity and environmental impact of multi-walled carbon nanotubes to nitrogen-fixing bacterium Azotobacter chroococcum. Journal of Environmental Chemical Engineering, 2021, 9, 105291.	6.7	10
33163	Preparation of carbon nanotube arrays nanocomposites filled with Prussian blue and electrochemical sensing of hydrogen peroxide. Ferroelectrics, 2021, 580, 42-54.	0.6	0
33164	Recent Progress of Nanostructured Sensing Materials from 0D to 3D: Overview of Structure-Property-Application Relationship for Gas Sensors. Small Methods, 2021, 5, e2100515.	8.6	162
33165	Progress in-situ synthesis of graphitic carbon nanoparticles with physical vapour deposition. Progress in Crystal Growth and Characterization of Materials, 2021, 67, 100534.	4.0	12
33166	Formation of carbon nanofibers with Ni catalyst supported on a micro-mesoporous glass. Microporous and Mesoporous Materials, 2021, 323, 111168.	4.4	5
33167	Carbon nanomaterials for cardiovascular theranostics: Promises and challenges. Bioactive Materials, 2021, 6, 2261-2280.	15.6	42
33168	Nanotube-Based 1D Heterostructures Coupled by van der Waals Forces. Small, 2021, 17, e2102585.	10.0	21
33169	Schiff Base Metal Complexes Precursor for Metal Oxide Nanomaterials: A Review. Current Nanoscience, 2021, 17, 634-645.	1.2	9
33170	Fate of weathered multi-walled carbon nanotubes in an aquatic sediment system. Chemosphere, 2021, 277, 130319.	8.2	7
33171	Perfluorocarbons Therapeutics in Modern Cancer Nanotechnology for Hypoxia-induced Anti-tumor Therapy. Current Pharmaceutical Design, 2021, 27, 4376-4387.	1.9	1
33172	Carbon Nanotube Wearable Sensors for Health Diagnostics. Sensors, 2021, 21, 5847.	3.8	15

#	ARTICLE	IF	CITATIONS
33173	Monitoring and sensing of (HF)n linear chain for n=4 on aluminum nitride nanocage in both gas and water phases; computational study. Journal of Environmental Chemical Engineering, 2021, 9, 105680.	6.7	0
33174	A hybrid molecular peapod of sp ² - and sp ³ -nanocarbons enabling ultrafast terahertz rotations. Nature Communications, 2021, 12, 5062.	12.8	12
33175	Engineered nanomaterials for biomedical applications and their toxicity: a review. Environmental Chemistry Letters, 2022, 20, 445-468.	16.2	32
33176	Optically transparent and lightweight nanocomposite substrate of poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 627 To (p theoretical insight. Journal of Materials Science, 2021, 56, 17040-17061.	3.7	15
33177	Applications of Carbon Nanotubes in Oxygen Electrocatalytic Reactions. ACS Applied Materials & Interfaces, 2022, 14, 20455-20462.	8.0	16
33178	Fluorescence and structural properties of polyvinyl alcohol fibers modified with multiwalled carbon nanotubes-hyperbranched poly (phenylalanine-lysine). Polymer Bulletin, 2022, 79, 7303-7321.	3.3	2
33179	Optimizing electrode structure of carbon nanotube gas sensors for sensitivity improvement based on electric field enhancement effect of fractal geometry. Scientific Reports, 2021, 11, 16675.	3.3	4
33180	Characterization and comparison of properties of cryogenic conditioned CNT reinforced thermoset (epoxy) and thermoplastic (poly vinyl alcohol) composite yarns. Journal of Composite Materials, 2021, 55, 4503-4511.	2.4	5
33181	Electronic and mechanical properties of (6,1) single-walled carbon nanotubes with different tube diameters: a theoretical study. Carbon Letters, 2022, 32, 451-460.	5.9	6
33183	Hierarchical Mo ₂ C@CNT Hybrid Structure Formation for the Improved Lithium-Ion Battery Storage Performance. Nanomaterials, 2021, 11, 2195.	4.1	6
33184	A highly responsive voltammetric methodology for the sensing of antihistamine drug cetirizine on the surface of cetrimonium bromide immobilized multi-walled carbon nanotube electrode. Journal of Materials Science: Materials in Electronics, 2021, 32, 22668-22679.	2.2	4
33185	Torsional strain engineering of transition metal dichalcogenide nanotubes: an ab initio study. Nanotechnology, 2021, 32, 47LT01.	2.6	9
33186	Coupled effects of magnetic field, number of walls, geometric imperfection, temperature change, and boundary conditions on nonlocal nonlinear vibration of carbon nanotubes resting on elastic foundations. Forces in Mechanics, 2021, 3, 100010.	2.8	8
33187	Multistability of carbon nanotube packings on flat substrate. Physica Status Solidi - Rapid Research Letters, 0, , 2100437.	2.4	3
33188	General synthesis of ultrahigh-surface-area porous carbons with superior yield via preferential removal of sp ² -hybridized atoms. Carbon, 2021, 182, 100-108.	10.3	12
33189	Chitosan derivative functionalized carbon nanotubes as carriers for enzyme immobilization to improve synthetic efficiency of ethyl caproate. LWT - Food Science and Technology, 2021, 149, 111897.	5.2	17
33190	Sub-10Ånm two-dimensional transistors: Theory and experiment. Physics Reports, 2021, 938, 1-72.	25.6	80
33191	Mass specific performance of potassium tetrabromoaurate as a carbon nanotube dopant. Computational Materials Science, 2021, 197, 110573.	3.0	4

#	ARTICLE	IF	CITATIONS
33192	Solution of the Spectral Problem for (2 m,m) Carbon Nanotubes by Green's Function Method. Physica Status Solidi (B): Basic Research, 0, , 2100264.	1.5	1
33193	Study of structural, electronic, and mechanical properties of pure and hydrogenated multilayer penta-graphene nano-plates using density functional theory. Materials Today Communications, 2021, 28, 102608.	1.9	1
33194	One-step Hydrothermal Synthesis of N-doped Fluorescent Carbon Dots from Fermented Rice with Highly Selective Characteristics for Label-free Detection of Fe ³⁺ Ions and as Fluorescent Ink. Analytical Sciences, 2021, 37, 1227-1234.	1.6	2
33195	Damping characteristics of carbon nanotube reinforced epoxy nanocomposite beams. Thin-Walled Structures, 2021, 166, 108127.	5.3	46
33196	Synthesis, Applications, and Prospects of Graphene Quantum Dots: A Comprehensive Review. Small, 2022, 18, e2102683.	10.0	151
33197	Applications of Cement-Based Smart Composites to Civil Structural Health Monitoring: A Review. Applied Sciences (Switzerland), 2021, 11, 8530.	2.5	12
33198	A Review on the Production Methods and Applications of Graphene-Based Materials. Nanomaterials, 2021, 11, 2414.	4.1	34
33199	Study on the aqueous dispersibility of multi-walled carbon nanotubes bearing modified corn starch. Chemical Papers, 2022, 76, 691-700.	2.2	0
33200	Carbon Nanotubes and its Potential Application in Sensing. ChemistrySelect, 2021, 6, 9571-9590.	1.5	8
33201	Bio-based production of carbon nanotubes via co-pyrolysis of eucalyptus oil and ferrocene. Journal of Analytical and Applied Pyrolysis, 2021, 158, 105257.	5.5	13
33202	Small percentage reinforcement of carbon nanotubes (CNTs) in epoxy(bisphenol-A) for enhanced mechanical performance. Materials Today: Proceedings, 2022, 61, 275-279.	1.8	12
33203	Defect induced deformation effect on water transport through (6, 6) carbon nanotube. Chemical Physics Letters, 2021, 778, 138632.	2.6	2
33204	Synthesis of Saddle-Shape Octaaminotetraphenylene Octahydrochloride. Journal of Organic Chemistry, 2021, 86, 14398-14403.	3.2	2
33205	Electrostatic deposition and functionalization of CVD grown multiwalled carbon nanotubes for sensitive & selective detection of CO and NOx at room temperature. Analytica Chimica Acta, 2021, 1177, 338766.	5.4	4
33206	Tracking the interaction between single-wall carbon nanotube and SARS-Cov-2 spike glycoprotein: A molecular dynamics simulations study. Computers in Biology and Medicine, 2021, 136, 104692.	7.0	28
33207	Study on Bimetallic Catalysts for Carbon Nanotube Growth on the Surface of Continuous Carbon Fibres. ECS Journal of Solid State Science and Technology, 2021, 10, 091005.	1.8	4
33208	Effect of functionalized multi-walled carbon nanotubes on mechanical properties and durability of cement mortars. Journal of Building Engineering, 2021, 41, 102407.	3.4	31
33209	Detection of formic acid and acetic acid gases by a QCM sensor coated with an acidified multi-walled carbon nanotube membrane. Environmental Technology (United Kingdom), 2023, 44, 751-761.	2.2	6

#	ARTICLE	IF	CITATIONS
33210	A Review of the Terahertz Conductivity and Photoconductivity of Carbon Nanotubes and Heteronanotubes. <i>Advanced Optical Materials</i> , 2021, 9, 2101042.	7.3	32
33211	Application of Non-Viral Vectors in Drug Delivery and Gene Therapy. <i>Polymers</i> , 2021, 13, 3307.	4.5	17
33213	Construction of carbon nanotubes/bismaleimide composite films with superior tensile strength and toughness. <i>Composites Science and Technology</i> , 2021, 214, 108975.	7.8	19
33214	Growth of Single-walled Carbon Nanotubes at Low-temperatures Using Double-layer Film Consisting of Cobalt and Iron Layers as Catalyst. <i>Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan</i> , 2021, 72, 499-502.	0.2	0
33215	Characterizations of Carbon Nanotubes and Graphene. <i>Springer Series in Materials Science</i> , 2022, , 65-90.	0.6	0
33216	RTV silicone rubber composites reinforced with carbon nanotubes, titanium-di-oxide and their hybrid: Mechanical and piezoelectric actuation performance. <i>Nano Materials Science</i> , 2021, 3, 233-240.	8.8	28
33217	Thermal-magneto-mechanical stability analysis of nanofluid conveying carbon nanotubes based on nonlocal couple stress theory. <i>Journal of Thermal Stresses</i> , 2021, 44, 1221-1243.	2.0	1
33218	Influence of cobalt doping concentration on ZnO/MWCNTs hybrid prepared by sol-gel method for antibacterial activity. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 100, 115-131.	2.4	4
33219	Synthesis of carbon nanotubes using pre-sintered oil fly ash via a reproducible process with large-scale potential. <i>Methods</i> , 2021, , .	3.8	3
33220	Investigation of Dielectric Properties of a Novel Structure Au/CNTs/TiO2/SiO2/p-Si/Al. <i>ECS Journal of Solid State Science and Technology</i> , 2021, 10, 091014.	1.8	0
33221	A novel spatialâ€‘temporal nonlocal strain gradient theorem for wave dispersion characteristics of FGM nanoplates. <i>Waves in Random and Complex Media</i> , 0, , 1-20.	2.7	5
33222	Preparation and electrochemical activity of platinum catalyst-supported graphene and Fe-based metal-organic framework composite electrodes for fuel cells. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 105, 259-267.	5.8	6
33223	Advanced Carbon Materials for Sustainable and Emerging Applications. , 0, , .		2
33225	Single-Walled Carbon Nanotube-Based Biosensors for Detection of Bronchial Inflammation. <i>International Journal of Nanoscience</i> , 0, , 2130002.	0.7	0
33226	A review on 3D grapheneâ€‘carbon nanotube hybrid polymer nanocomposites. <i>Journal of Materials Science</i> , 2021, 56, 17411-17456.	3.7	21
33227	Novel Degree-Based Topological Descriptors of Carbon Nanotubes. <i>Journal of Chemistry</i> , 2021, 2021, 1-15.	1.9	10
33228	Recent Advancements in Carbon Nano-Infused Cementitious Composites. <i>Materials</i> , 2021, 14, 5176.	2.9	7
33229	A Review on Fracture Analysis of CNT/Graphene Reinforced Composites for Structural Applications. <i>Archives of Computational Methods in Engineering</i> , 2022, 29, 545-582.	10.2	7

#	ARTICLE	IF	CITATIONS
33230	Graphene and Carbon Nanotube-based Electrochemical Sensing Platforms for Dopamine. Chemistry - an Asian Journal, 2021, 16, 3516-3543.	3.3	36
33231	Recent advances and challenges in silicon carbide (SiC) ceramic nanoarchitectures and their applications. Materials Today Communications, 2021, 28, 102533.	1.9	52
33232	Feasibility assessment of bulk density property of carbon nano tube as a viable alternative to reinforcement steel in construction projects. Case Studies in Construction Materials, 2021, , e00716.	1.7	0
33233	Forced Nonlinear vibration and bifurcation analysis of circular cylindrical nanocomposite shells using the normal form. International Journal of Non-Linear Mechanics, 2021, 134, 103733.	2.6	12
33234	Hydrogen molecule adsorption on pristine and selected elements (periods 2-4) doped armchair (5,5) and zigzag (10,0) beryllium oxide nanotubes as hydrogen storage materials. International Journal of Energy Research, 2022, 46, 1198-1219.	4.5	2
33235	Mechanisms and biological impacts of graphene and multi-walled carbon nanotubes on <i>Drosophila melanogaster</i> : Oxidative stress, genotoxic damage, phenotypic variations, locomotor behavior, parasitoid resistance, and cellular immune response. Journal of Applied Toxicology, 2022, 42, 450-474.	2.8	18
33236	Free vibration and dynamic stability of functionally graded composite microtubes reinforced with graphene platelets. Composite Structures, 2021, 272, 114231.	5.8	26
33237	Carbon Nanotubes (CNTs) from Synthesis to Functionalized (CNTs) Using Conventional and New Chemical Approaches. Journal of Nanomaterials, 2021, 2021, 1-31.	2.7	45
33238	sp ² -sp ³ Hybrid Porous Carbon Materials Applied for Supercapacitors. Energies, 2021, 14, 5990.	3.1	5
33240	Partial Auxeticity of Laterally Compressed Carbon Nanotube Bundles. Physica Status Solidi - Rapid Research Letters, 2022, 16, 2100189.	2.4	9
33241	Preparation of a Novel CO ₂ -Responsive Polymer/Multiwall Carbon Nanotube Composite. Processes, 2021, 9, 1638.	2.8	0
33242	Exceeding high concentration limits of aqueous dispersion of carbon nanotubes assisted by nanoscale xylan hydrate crystals. Chemical Engineering Journal, 2021, 419, 129602.	12.7	17
33243	Recent Progress on Molecular Photoacoustic Imaging with Carbon-Based Nanocomposites. Materials, 2021, 14, 5643.	2.9	6
33244	Thermal Degradation Behavior of Epoxy Resin Containing Modified Carbon Nanotubes. Polymers, 2021, 13, 3332.	4.5	25
33245	Nonlinear Damped Transient Vibrations of Carbon Nanotube-Reinforced Magneto-Electro-Elastic Shells with Different Electromagnetic Circuits. Journal of Vibration Engineering and Technologies, 2022, 10, 351-374.	2.2	10
33246	A review on the development of optical limiters from homogeneous to reflective 1-D photonic crystal structures. Optics and Laser Technology, 2021, 141, 107144.	4.6	21
33248	High-temperature electrical conductivity and thermal stability of FeCl ₃ doping in carbon nanotube tapes. Applied Physics Express, 2021, 14, 095002.	2.4	1
33249	Ultrahigh anti-corrosion performance of polymer-based coating filled with a novel micro network nanofiller. Corrosion Science, 2021, 190, 109685.	6.6	34

#	ARTICLE	IF	CITATIONS
33250	Coupling Dynamic Behavior of Space Flexible Hollow Beam. International Journal of Applied Mechanics, 2021, 13, .	2.2	2
33251	Electronic and optical properties of pristine and Li/Na/K/Mg/Ca decorated net-Y: First-principles calculations. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115269.	3.5	2
33252	Composite materials based on aluminum with carbon nanofibers obtained by hot extrusion and rolling. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 156-159.	2.1	1
33253	Theoretical Study of Electronic Properties and Vibration Frequencies for Tri-Rings Layer (6, 0) Linear (Zigzag) SWCNT. , 2021, , 15-27.		0
33254	A review of gas sensors based on carbon nanomaterial. Carbon Letters, 2022, 32, 339-364.	5.9	45
33255	Stepwise Generation of Mono-, Di-, and Triply-Reduced Warped Nanographenes: Charge-Dependent Aromaticity, Surface Nonequivalence, Swing Distortion, and Metal Binding Sites. Angewandte Chemie, 2021, 133, 25649-25657.	2.0	3
33256	Recent Advances on Conducting Polymer-Supported Nanocomposites for Nonenzymatic Electrochemical Sensing. Industrial & Engineering Chemistry Research, 2021, 60, 13425-13437.	3.7	12
33257	Essential Electronic Properties of Silicon Nanotubes. Nanomaterials, 2021, 11, 2475.	4.1	5
33258	Recent advances in carbon nanomaterial-optimized perovskite solar cells. Materials Today Energy, 2021, 21, 100769.	4.7	14
33259	High harmonic generation in fullerene molecules. Physical Review B, 2021, 104, .	3.2	11
33260	Modeling and Analysis of the Geometry-Dependent Mechanical and Thermal Properties of Coiled Carbon Nanotubes. Physica Status Solidi - Rapid Research Letters, 0, , 2100360.	2.4	2
33261	Stepwise Generation of Mono-, Di-, and Triply-Reduced Warped Nanographenes: Charge-Dependent Aromaticity, Surface Nonequivalence, Swing Distortion, and Metal Binding Sites. Angewandte Chemie - International Edition, 2021, 60, 25445-25453.	13.8	12
33262	Recent advances in heterogeneous catalysts for the effective electroreduction of carbon dioxide to carbon monoxide. Journal of Power Sources, 2021, 506, 230215.	7.8	22
33263	Dependence of secondary operations in powder metallurgy and their impact on the electrical conductivity of MWCNTs/Cu nanocomposites. Materials Today: Proceedings, 2022, 49, 2143-2148.	1.8	1
33264	Dyes adsorption from aqueous media through the nanotechnology: A review. Journal of Materials Research and Technology, 2021, 14, 2195-2218.	5.8	107
33265	Unconventional van der Waals heterostructures beyond stacking. IScience, 2021, 24, 103050.	4.1	4
33266	Time-dependent growth of CaO nano flowers from egg shells exhibit improved adsorption and catalytic activity. Advanced Powder Technology, 2021, 32, 3288-3296.	4.1	5
33267	Molecular dynamics of axial interwall van der Waals force and mechanical vibration of double-walled carbon nanotubes. Materials Today Communications, 2021, 28, 102708.	1.9	3

#	ARTICLE	IF	CITATIONS
33268	Effect of structural parameters on the optical absorption properties of carbon nanowire arrays. Applied Physics B: Lasers and Optics, 2021, 127, 1.	2.2	0
33269	Diacid Molecules Welding Achieved Self-Adaption Layered Structure Ti ₃ C ₂ MXene toward Fast and Stable Lithium-Ion Storage. ACS Sustainable Chemistry and Engineering, 2021, 9, 12930-12939.	6.7	24
33270	The effect of CaCO ₃ in the formation of carbon nanotubes via electrolysis of molten Li ₂ CO ₃ /CaCO ₃ mixtures. International Journal of Applied Ceramic Technology, 2022, 19, 451-458.	2.1	4
33271	Interfacial shear strength of carbon nanotube reinforced polymer composites: A review. Materials Today: Proceedings, 2022, 50, 1774-1780.	1.8	4
33272	MXene/Carbon Nanotube Hybrids: Synthesis, Structures, Properties, and Applications. ChemSusChem, 2021, 14, 5079-5111.	6.8	39
33273	Smartphone-assisted electrochemical sensor for reliable detection of tyrosine in serum. Talanta, 2022, 237, 122869.	5.5	22
33274	Biaxial Stretching of Polymer Nanocomposites: A Mini-Review. Frontiers in Materials, 2021, 8, .	2.4	11
33275	Synthesis, Dielectric and Electrical Properties of Silver-Polymer Nanocomposites. , 0, , .		2
33276	Controlled Growths of Carbon Nanotubes and Graphene. Springer Series in Materials Science, 2022, , 41-64.	0.6	0
33277	Vacuum-Free Fabrication of Transparent Electrodes for Soft Electronics. , 0, , .		0
33278	3D printed nanocomposites for tailored cardiovascular tissue constructs: A minireview. Materialia, 2021, 19, 101184.	2.7	8
33279	Wave dispersion in viscoelastic FG nanobeams via a novel spatial-temporal nonlocal strain gradient framework. Waves in Random and Complex Media, 0, , 1-23.	2.7	6
33280	Rapid industrial scale synthesis of robust carbon nanotube network electrodes for electroanalysis. Journal of Electroanalytical Chemistry, 2021, 896, 115255.	3.8	8
33281	Fabrication and mechanical properties of functionally graded materials: A review. Materials Today: Proceedings, 2022, 52, 379-387.	1.8	18
33282	Biocompatibility of 2D silicon nitride: interaction at the nano-bio interface. Materials Research Express, 2021, 8, 095404.	1.6	2
33283	Modes of Vibration of Single- and Double-Walled CNTs with an Attached Mass by a Non-local Shell Model. Journal of Vibration Engineering and Technologies, 2022, 10, 375-393.	2.2	3
33284	Compressive properties and behavior of copper nanowires wrapped by carbon nanotube. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	0
33285	Bio-inspired (GO+ÂCNTs)-PU hydrophobic coating via replication of Lotus leaf and its enhanced mechanical and anti-corrosion properties. Progress in Organic Coatings, 2021, 159, 106414.	3.9	6

#	ARTICLE	IF	CITATIONS
33286	Single stage synthesis of amorphous carbon covered nanotubes arrays. Carbon Trends, 2021, 5, 100099.	3.0	3
33287	Sustainable and green synthesis of carbon nanomaterials: A review. Journal of Environmental Chemical Engineering, 2021, 9, 106118.	6.7	30
33288	The mechanics of carbon-based nanomaterials as cement reinforcement – A critical review. Construction and Building Materials, 2021, 303, 124441.	7.2	31
33289	Influence of ultrasonication energy on reinforcing-roles of CNTs to strengthen ITZ and corresponding anti-permeability properties of concrete. Construction and Building Materials, 2021, 303, 124451.	7.2	12
33290	Micro-cracking pattern recognition of hybrid CNTs/GNPs cement pastes under three-point bending loading using acoustic emission technique. Journal of Building Engineering, 2021, 42, 102816.	3.4	7
33291	Buckling responses of porous structural components with gradient power-based and sigmoid material variations under different types of compression loads. Composite Structures, 2021, 273, 114313.	5.8	28
33292	Carbon-nanotube yarns induce axonal regeneration in peripheral nerve defect. Scientific Reports, 2021, 11, 19562.	3.3	18
33293	Multiscale based finite element modeling for the nonlinear bending and postbuckling analyses of some noncarbon nanomaterials. International Journal of Non-Linear Mechanics, 2021, 135, 103755.	2.6	0
33294	Carbon nanotubes for cardiac tissue regeneration: State of the art and perspectives. Carbon, 2021, 184, 641-650.	10.3	17
33295	Effect of pyrrolic-N defects on the capacitance and magnetization of nitrogen-doped multiwalled carbon nanotubes. Carbon, 2021, 183, 743-762.	10.3	22
33296	Highly-energy efficient oxidation of MWCNT with nanosecond pulsed dielectric barrier discharge plasma. Applied Surface Science, 2021, 563, 150139.	6.1	10
33297	The possible structure and electronic structure of zigzag silicon nanotubes doped with group V elements. Materials Science in Semiconductor Processing, 2021, 133, 105962.	4.0	6
33298	Self-Assembled Materials Incorporating Functional Porphyrins and Carbon Nanoplatfoms as Building Blocks for Photovoltaic Energy Applications. Frontiers in Chemistry, 2021, 9, 727574.	3.6	3
33299	Synthesis of carbon nanotube arrays on quartz-based fibrous materials and their morphological characterization. Japanese Journal of Applied Physics, 2022, 61, SB1014.	1.5	3
33300	Thermal property and lattice thermal conductivity of three-dimensional pentagonal silicon. Physica B: Condensed Matter, 2021, 618, 413178.	2.7	4
33301	A neural network-aided Bayesian identification framework for multiscale modeling of nanocomposites. Computer Methods in Applied Mechanics and Engineering, 2021, 384, 113937.	6.6	15
33302	Graphene and carbon nanotubes interfaced electrochemical nanobiosensors for the detection of SARS-CoV-2 (COVID-19) and other respiratory viral infections: A review. Materials Science and Engineering C, 2021, 129, 112356.	7.3	34
33303	The bonding performances of carbon nanotube (CNT)-reinforced epoxy adhesively bonded joints on steel substrates. Progress in Organic Coatings, 2021, 159, 106407.	3.9	13

#	ARTICLE	IF	CITATIONS
33304	Smallest carbon nanowires made easy: Long linear carbon chains confined inside single-walled carbon nanotubes. Carbon, 2021, 183, 571-577.	10.3	23
33305	Loading rate dependence of mode II fracture toughness in laminated composites reinforced by carbon nanotube films. Composites Science and Technology, 2021, 215, 109005.	7.8	7
33306	Adsorption optimization of uranium(VI) onto polydopamine and sodium titanate co-functionalized MWCNTs using response surface methodology and a modeling approach. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127145.	4.7	18
33307	From metallic to semiconductor conversion of single-walled carbon nanotubes by chlorination. Chemical Physics Letters, 2021, 781, 138988.	2.6	1
33308	Genomics of carbon atomic chains. Carbon, 2021, 183, 977-983.	10.3	2
33309	In-plane thermal conductivity of multi-walled carbon nanotube yarns under mechanical loading. Carbon, 2021, 184, 452-462.	10.3	14
33310	Purification of carbon nanotubes produced by the electric arc-discharge method. Surfaces and Interfaces, 2021, 26, 101389.	3.0	14
33311	A non-local modeling for the influence of fluid forces on vibration characteristics of carbon nanotubes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115348.	3.5	3
33312	Advancement of metal compounds as therapeutic and diagnostic metallodrugs: Current frontiers and future perspectives. Coordination Chemistry Reviews, 2021, 445, 214104.	18.8	59
33313	Dispersion of single wall carbon nanotube using air entraining agent and its application to portland cement paste. Construction and Building Materials, 2021, 302, 124421.	7.2	7
33314	Electromagnetic couple stress film flow of hybrid nanofluid over an unsteady rotating disc. International Communications in Heat and Mass Transfer, 2021, 127, 105562.	5.6	42
33315	Nano-bridge effect on thermal conductivity of hybrid polymer composites incorporating 1D and 2D nanocarbon fillers. Composites Part B: Engineering, 2021, 222, 109072.	12.0	30
33316	Vibration characteristics of plates and shells with functionally graded pores imperfections using an enhanced finite shell element. Computers and Mathematics With Applications, 2021, 99, 52-72.	2.7	24
33317	Dynamic characteristics of truncated conical panels made of FRPs reinforced with agglomerated CNTs. Structures, 2021, 33, 4701-4717.	3.6	17
33318	Geometry-controlled carbon nanostructures as effective drug delivery carriers for MAO enzyme inhibitors: A DFT study. Journal of Molecular Liquids, 2021, 340, 116857.	4.9	11
33319	Prediction and optimization of the thermal transport in hybrid carbon-boron nitride honeycombs using machine learning. Carbon, 2021, 184, 492-503.	10.3	4
33320	The importance of surface states in N-doped carbon quantum dots. Carbon, 2021, 183, 1-11.	10.3	71
33321	Micro-end-milling of carbon nanotube reinforced epoxy nanocomposites manufactured using three roll mill technique. Journal of Manufacturing Processes, 2021, 70, 307-320.	5.9	11

#	ARTICLE	IF	CITATIONS
33323	Derivation of nonlocal FEM formulation for thermo-elastic Timoshenko beams on elastic matrix. <i>Composite Structures</i> , 2021, 273, 114292.	5.8	12
33324	Perspective and application of modified electrode material technology in electrochemical voltammetric sensors for analysis and detection of illicit drugs. <i>Sensors and Actuators A: Physical</i> , 2021, 329, 112821.	4.1	24
33325	On the physical and electrochemical properties of MLG-based electrode surfaces modified by microwave-assisted reactive plasma. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021, 272, 115346.	3.5	5
33326	Recent progress in polyaniline composites for high capacity energy storage: A review. <i>Journal of Energy Storage</i> , 2021, 42, 103018.	8.1	49
33327	Carbon-based materials for fast charging lithium-ion batteries. <i>Carbon</i> , 2021, 183, 721-734.	10.3	177
33328	Optimized graphene electrodes for contacting graphene nanoribbons. <i>Carbon</i> , 2021, 184, 331-339.	10.3	30
33329	Band alignment in carbon-based one-dimensional van der Waals heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 134, 114929.	2.7	2
33330	Rapid annealing and cooling induced surface cleaning of semiconducting carbon nanotubes for high-performance thin-film transistors. <i>Carbon</i> , 2021, 184, 764-771.	10.3	14
33331	A comprehensive review of thermophysical properties and prospects of ionanocolloids in thermal energy applications. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111593.	16.4	14
33332	Sorption studies of sulfadimethoxine and tetracycline molecules on $\hat{1}^2$ -antimonene nanotube - A first-principles insight. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 108, 107988.	2.4	14
33333	Graphene oxide-assisted Co-sintering synthesis of carbon nanotubes with enhanced electromagnetic wave absorption performance. <i>Carbon</i> , 2021, 185, 186-197.	10.3	36
33334	A DFT investigation of lithium adsorption on graphenes as a potential anode material in lithium-ion batteries. <i>Journal of Molecular Graphics and Modelling</i> , 2021, 108, 107998.	2.4	11
33335	Linear diameter dependence magnetization of Fe-CoNi core-shell nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 537, 168164.	2.3	2
33336	Synthesis of silicon nanowire and crystalline carbon quantum dots heterostructure and study of photo response and photoluminescence property. <i>Materials Letters</i> , 2021, 303, 130493.	2.6	8
33337	One- and two-dimensional structures based on gallium nitride. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122513.	2.9	8
33338	Evaluation the potential of carboxyl functionalized BC ₂ N nanotubes as a drug delivery vehicle for chlormethine anti-cancer drug. <i>Journal of Molecular Liquids</i> , 2021, 342, 117521.	4.9	1
33339	High entropy nanoparticles of CoCrXFeNi (X=Al, Cu, Mn) loaded on activated carbon for efficient degradation of methylene blue. <i>Journal of Materials Research and Technology</i> , 2021, 15, 256-267.	5.8	7
33340	Effect of inter-wall coupling on the electronic structure and optical properties of group-III doped SiCNTs. <i>Physica B: Condensed Matter</i> , 2021, 620, 413276.	2.7	6

#	ARTICLE	IF	CITATIONS
33341	A review of carbon-based thermal interface materials: Mechanism, thermal measurements and thermal properties. <i>Materials and Design</i> , 2021, 209, 109936.	7.0	75
33342	Role of nanotube chirality on the mechanical characteristics of pillared graphene. <i>Mechanics of Materials</i> , 2021, 162, 104035.	3.2	16
33343	Potassium hydroxide as a novel catalyst for metal-free carbon nanotubes growth on powder activated carbon. <i>Physica B: Condensed Matter</i> , 2021, 621, 413294.	2.7	5
33344	Characterization and electrochemical studies of MWCNTs decorated with Ag nanoparticles through pulse reversed current electrodeposition using a deep eutectic solvent for energy storage applications. <i>Journal of Materials Research and Technology</i> , 2021, 15, 342-359.	5.8	20
33345	Post-synthesis treatment improves the electrical properties of dry-spun carbon nanotube yarns. <i>Carbon</i> , 2021, 185, 314-323.	10.3	9
33346	Nonlinear vibration of multilayer shell-type structural elements with double curvature consisting of CNT patterned layers within different theories. <i>Composite Structures</i> , 2021, 275, 114401.	5.8	32
33347	Large-area alloy nanotube arrays with highly-ordered periodicity: Fabrication and characterization. <i>Materials and Design</i> , 2021, 209, 109998.	7.0	8
33348	Instability and Vibration Analyses of Functionally Graded Carbon Nanotubeâ€“Reinforced Laminated Composite Plate Subjected to Localized In-Plane Periodic Loading. <i>Journal of Aerospace Engineering</i> , 2021, 34, .	1.4	6
33349	Bct-C5: A new body-centered tetragonal carbon allotrope. <i>Diamond and Related Materials</i> , 2021, 119, 108571.	3.9	6
33350	An effect of MHD and radiation on CNTS-Water based nanofluids due to a stretching sheet in a Newtonian fluid. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101462.	5.7	61
33351	An approach to the solution of nonlinear forced vibration problem of structural systems reinforced with advanced materials in the presence of viscous damping. <i>Mechanical Systems and Signal Processing</i> , 2021, 161, 107991.	8.0	40
33352	Elucidation of thermo-mechanical properties of silicon nanowires from a molecular dynamics perspective. <i>Computational Materials Science</i> , 2021, 200, 110821.	3.0	12
33353	Analysis of entropy generation in a power-law nanofluid flow over a stretchable rotatory porous disk. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101370.	5.7	28
33354	Nanostructuring enforced sandwich-tubular CNT-Cu interconnects. <i>Composite Structures</i> , 2021, 278, 114705.	5.8	1
33355	Direct growth of multilayered graphene nanofibers by chemical vapour deposition and their binder-free electrodes for symmetric supercapacitor devices. <i>Progress in Organic Coatings</i> , 2021, 161, 106511.	3.9	3
33356	Effect of MWCNT dispersion parameters on the performance of electrochemical sensors. <i>Measurement: Sensors</i> , 2021, 18, 100335.	1.7	2
33357	A multi-plug filtration (m-PFC) cleanup method based on carboxylic multi-walled carbon nanotubes for the detection of 14 perfluorinated compounds and dietary risk assessment of chicken, beef, and mutton collected from Shanghai markets. <i>Food Control</i> , 2021, 130, 108330.	5.5	6
33358	Nanomaterials and Aging. <i>Current Stem Cell Research and Therapy</i> , 2021, 16, 57-65.	1.3	7

#	ARTICLE	IF	CITATIONS
33359	Multi walled carbon nanotubes functionalized by hydroxyl and Schiff base and their hydrogen storage properties. Diamond and Related Materials, 2021, 120, 108604.	3.9	5
33360	Influence of carbon nanotubes on the dielectric and electro-optical properties of a proto-type ferroelectric mixture used in display devices. Journal of Molecular Liquids, 2021, 343, 117653.	4.9	2
33361	Recent progress and perspectives on silicon anode: Synthesis and prelithiation for LIBs energy storage. Journal of Energy Chemistry, 2022, 64, 615-650.	12.9	127
33362	Boron doped carbon nanotubes: Synthesis, characterization and emerging applications – A review. Chemical Engineering Journal, 2022, 427, 131616.	12.7	78
33363	Ti3C2T /carbon nanotube/porous carbon film for flexible supercapacitor. Chemical Engineering Journal, 2022, 427, 132002.	12.7	95
33364	Carbon Based Materials. , 2022, , 394-419.		0
33365	Electronic transport via DTF-NEGF at bipyridine junctions with 1D organic electrodes. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 135, 114953.	2.7	0
33366	Decoupling the effects of material thickness and size scale on the transverse free vibration of BNNTs based on beam models. Mechanical Systems and Signal Processing, 2022, 166, 108440.	8.0	13
33367	Conversion of pyrolytic non-condensable gases from polypropylene co-polymer into bamboo-type carbon nanotubes and high-quality oil using biochar as catalyst. Journal of Environmental Management, 2022, 301, 113791.	7.8	19
33368	New analytical methods using carbon-based nanomaterials for detection of Salmonella species as a major food poisoning organism in water and soil resources. Chemosphere, 2022, 287, 132243.	8.2	18
33369	The competition: Non-silicon nanowire/nanotube strategies in nanomedicine. , 2022, , 379-400.		0
33370	Effect of HF wet-etching and H2-plasma polishing on the low-temperature growth of carbon nanotubes on stainless-steel substrates. Journal of Physics and Chemistry of Solids, 2022, 160, 110307.	4.0	4
33371	Hydrogen as an energy currency: Encapsulation of inorganic Ga12N12 with alkali metals for efficient H2 adsorption as hydrogen storage materials. Journal of Physics and Chemistry of Solids, 2022, 160, 110352.	4.0	23
33372	Highly sensitive, self-powered photodetector based on reduced graphene oxide- polyvinyl pyrrolidone fibers (Fs)/p-Si heterojunction. Journal of Alloys and Compounds, 2021, 889, 161647.	5.5	23
33373	Debranched starch: Preparation and hydrophobic cavity characterization using carbon nanotubes. LWT - Food Science and Technology, 2022, 153, 112548.	5.2	2
33374	Non-traditional processing of carbon nanotubes: A review. AEJ - Alexandria Engineering Journal, 2022, 61, 597-617.	6.4	20
33375	Nonlinear vibrations of functionally graded graphene reinforced composite cylindrical panels. Applied Mathematical Modelling, 2022, 101, 1-18.	4.2	42
33376	Solid catalysts for environmentally benign synthesis. , 2022, , 23-80.		0

#	ARTICLE	IF	CITATIONS
33377	Nonlinear vibration and instability of a randomly distributed CNT-reinforced composite plate subjected to localized in-plane parametric excitation. Applied Mathematical Modelling, 2022, 101, 453-480.	4.2	9
33378	Carbon Nanomaterials as Carriers of Anti-inflammatory Drugs. RSC Nanoscience and Nanotechnology, 2021, , 39-55.	0.2	0
33379	Novel applications of nanotechnology in food safety assessment. , 2021, , 461-505.		1
33380	Ionic liquid impregnated Allium cepa peel for supercapacitor application. Materials Today: Proceedings, 2021, 49, 3066-3066.	1.8	1
33381	Sorting and decoration of semiconducting single-walled carbon nanotubes <i>via</i> the quaternization reaction. RSC Advances, 2021, 11, 2898-2904.	3.6	3
33382	Technological Aspects of Getting Functional Materials Reinforced with Carbon Nanofibres. Lecture Notes in Civil Engineering, 2021, , 184-191.	0.4	0
33383	Utilization of carbon allotropes with special reference to carbon nanotubes and graphene for the high performance of natural rubber. , 2021, , 203-246.		3
33384	Modulation of intertube band dispersion relation of carbon nanotube bundles by symmetry and intertube wave function coupling. Japanese Journal of Applied Physics, 2021, 60, 025002.	1.5	1
33385	Graphite Nanoplateletâ€“Carbon Nanotube Hybrids for Electrical Conducting Polymer Composites. Inorganic Materials Series, 2021, , 129-203.	0.7	0
33386	On the low reinforcing efficiency of carbon nanotubes in high-performanceÂpolymer fibres. Nanocomposites, 2021, 7, 53-69.	4.2	13
33387	Investigation of the layer thickness and diameter distribution of P-WMCNTs by image analysis. AIP Conference Proceedings, 2021, , .	0.4	0
33388	Buckling analysis of restrained nanobeams using strain gradient elasticity. Waves in Random and Complex Media, 2022, 32, 2960-2979.	2.7	35
33389	Antimicrobial and anti-adhesive properties of carbon nanotube-based surfaces for medical applications: a systematic review. IScience, 2021, 24, 102001.	4.1	63
33390	Effect of carbon nanotubes modified with different concentrations of rare earth lanthanum on the mechanical and tribological properties of epoxy composites. Journal of Composite Materials, 2021, 55, 2197-2210.	2.4	4
33391	Nonlinear optics of graphdiyne. Materials Chemistry Frontiers, 2021, 5, 6413-6428.	5.9	20
33392	The effect of water cement ratio on the characteristics of multi-walled carbon nanotube reinforced concrete. Materials Today: Proceedings, 2021, 43, 3852-3855.	1.8	10
33393	A new age of innovative technology for wastewater treatment using nanomaterials. , 2021, , 331-358.		1
33394	Edge State Induced Spintronic Properties of Graphene Nanoribbons: A Theoretical Perspective. Advances in Sustainability Science and Technology, 2021, , 165-198.	0.6	0

#	ARTICLE	IF	CITATIONS
33395	Solid State Synthesis of Materials. Indian Institute of Metals Series, 2021, , 1-49.	0.3	2
33396	Kohlenstoffgruppe: Elemente der vierten Hauptgruppe. , 2021, , 211-276.		0
33397	Nanostructures: categories, formation procedures, and synthesis. , 2021, , 105-145.		0
33398	Carbon-based heterogeneous photocatalysts for water cleaning technologies: a review. Environmental Chemistry Letters, 2021, 19, 643-668.	16.2	32
33399	Size-dependent vibration analysis of fluid-infiltrated porous curved microbeams integrated with reinforced functionally graded graphene platelets face sheets considering thickness stretching effect. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 1077-1099.	1.1	21
33400	Molecular dynamics simulation of transversely isotropic elastic properties of carbon nanocones. Physica Scripta, 2021, 96, 035702.	2.5	3
33401	Nanomaterials: a review of synthesis methods, properties, recent progress, and challenges. Materials Advances, 2021, 2, 1821-1871.	5.4	1,049
33402	Functionalized graphene-based nanocomposites for smart optoelectronic applications. Nanotechnology Reviews, 2021, 10, 605-635.	5.8	28
33403	Carbon nanostructure-based superhydrophobic surfaces and coatings. Nanotechnology Reviews, 2021, 10, 518-571.	5.8	42
33404	Biosensor fabrication with nanomaterials. , 2021, , 31-55.		1
33405	Impacts of Carbon Nanotubes on Physiology and Biochemistry of Plants. Nanotechnology in the Life Sciences, 2021, , 171-182.	0.6	0
33406	Three-Dimensional and Lamellar Graphene Oxide Membranes for Water Purification. Springer Series on Polymer and Composite Materials, 2021, , 87-111.	0.7	4
33407	One-dimensional Sub-stoichiometric W ₃ O ₈ Nanowires Filled Carbon Nanotubes. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2021, , 139.	1.3	0
33408	Applications of nanomaterials in wastewater treatment. Materials Today: Proceedings, 2021, 43, 2877-2881.	1.8	14
33409	Carbon-based electrodes as a scaffold for the electrochemical sensing of pharmaceuticals. , 2021, , 1-23.		1
33410	Synthesis, fabrication, and mechanism of action of electrically conductive membranes: a review. Environmental Science: Water Research and Technology, 2021, 7, 671-705.	2.4	32
33411	Mechanical Properties of Graphene–Carbon Nanotube Reinforced Hybrid Polymer Nanocomposites. , 2021, , 278-316.		2
33412	Beyond 3D-traditional materials thermoelectric materials. , 2021, , 163-193.		1

#	ARTICLE	IF	CITATIONS
33413	Transmission electron microscopy characterization of graphene. , 2021, , 317-343.		0
33414	Introduction to physics of low-dimensional systems. , 2021, , 1-12.		0
33415	Carrier Transport in Nanotubes and Nanowires. , 2021, , 831-877.		0
33416	Polymer nanocomposites in additive manufacturing processes for typical applications in the industry. , 2021, , 633-673.		0
33417	An investigation on thermal stability of single wall carbon nanotubes (SWCNTs) by molecular dynamics simulations. Materials Today: Proceedings, 2021, 44, 4940-4944.	1.8	2
33418	Conventional Nanosized Drug Delivery Systems for Cancer Applications. Advances in Experimental Medicine and Biology, 2021, 1295, 3-27.	1.6	6
33419	The Electrical Properties of Single-walled Carbon Nanotubes. Journal of Physics: Conference Series, 2021, 1748, 052005.	0.4	0
33420	Techniques of introducing intentional voids into particles and fibers. , 2021, , 139-166.		0
33421	Carbon-based nanostructures and nanomaterials. , 2021, , 103-130.		1
33422	Carbon-based nanomaterials for hydrogen production and storage applications. , 2021, , 117-131.		2
33423	Carbon Nanotubes for Cardiac Applications. RSC Nanoscience and Nanotechnology, 2021, , 223-256.	0.2	1
33425	Mathematical Modeling of Physical and Mechanical Properties of Polymeric Materials Reinforced with Carbon Nanotubes. Lecture Notes in Mechanical Engineering, 2021, , 33-42.	0.4	0
33426	Environmental Aspect on Nanoproducts. , 2021, , 1-21.		0
33427	Advances in photothermal nanomaterials for biomedical, environmental and energy applications. Nanoscale, 2021, 13, 14268-14286.	5.6	60
33428	Intranasal gene therapy for the treatment of neurological disorders. , 2021, , 351-387.		2
33429	Biomedical applications of carbon nanotubes. , 2021, , 365-398.		0
33430	Tuning the through-thickness orientation of 1D nanocarbons to enhance the electrical conductivity and ILSS of hierarchical CFRP composites. Science and Engineering of Composite Materials, 2021, 28, 453-465.	1.4	5
33431	Carbohydrate Biosensors and Applications. , 2021, , 149-167.		0

#	ARTICLE	IF	CITATIONS
33432	Augmentation of Brain Functions by Nanotechnology. Contemporary Clinical Neuroscience, 2021, , 233-259.	0.3	0
33433	Solar cell based on carbon and graphene nanomaterials. , 2021, , 537-556.		0
33434	Designing nanoscale capacitors based on twin-graphene. Physical Chemistry Chemical Physics, 2021, 23, 16268-16276.	2.8	16
33435	Research Progress of Flexible Electrochemical Sensors Based on Carbon-Based Materials. Advances in Analytical Chemistry, 2021, 11, 108-116.	0.1	0
33436	Toward nanobioelectronic medicine: Unlocking new applications using nanotechnology. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1693.	6.1	14
33437	Chemical water contaminants: potential risk to human health and possible remediation. , 2021, , 157-172.		5
33438	(Bio)degradable Polymer Nanocomposites for Environmental Protection. , 2021, , 1435-1461.		0
33439	Analyzing the Dynamic Characteristics of Double-Walled Carbon Nanotube Reinforced Polymer Nanocomposites. , 2021, , 429-463.		2
33440	Terbium($\text{bis-phthalocyaninato}$ single-molecule magnet encapsulated in a single-walled carbon nanotube. Journal of Materials Chemistry C, 2021, 9, 10697-10704.	5.5	9
33441	Swarm intelligence unravels the confinement effects for tiny noble gas clusters within carbon nanotubes. European Physical Journal D, 2021, 75, 1.	1.3	6
33442	A reactive molecular dynamics study on the mechanical properties of a recently synthesized amorphous carbon monolayer converted into a nanotube/nanoscroll. Physical Chemistry Chemical Physics, 2021, 23, 9089-9095.	2.8	8
33443	Multifunctional lignin-based nanocomposites and nanohybrids. Green Chemistry, 2021, 23, 6698-6760.	9.0	93
33444	Synthesis, property, and application of carbon nanotube fiber. Journal of the Korean Ceramic Society, 2021, 58, 148-159.	2.3	20
33445	Carbon nanotube materials for electrocardiography. RSC Advances, 2021, 11, 3020-3042.	3.6	12
33446	The addition of carbon nanotubes to orthodontic adhesives: an in vitro study. Australasian Orthodontic Journal, 2017, 33, 57-63.	0.3	0
33447	Free energy surface of initial cap formation in carbon nanotube growth. Nanoscale Advances, 0, , .	4.6	1
33448	Multifunctional Cement Mortars Enhanced with Graphene Nanoplatelets and Carbon Nanotubes. Sensors, 2021, 21, 933.	3.8	23
33449	Free vibration and buckling analyses of FG porous sandwich curved microbeams in thermal environment under magnetic field based on modified couple stress theory. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	3.8	53

#	ARTICLE	IF	CITATIONS
33450	Scalable Synthesis of Crystalline One-Dimensional Carbon Nanothreads through Modest-Pressure Polymerization of Furan. ACS Nano, 2021, 15, 4134-4143.	14.6	32
33451	Experimentation on the MWCNT strips reinforced functionally graded honeycomb composite materials. AIP Conference Proceedings, 2021, , .	0.4	1
33452	A top-down approach making cellulose carbonaceous aerogel/MnO ₂ ultrathick bulk electrodes with high mass loading for supercapacitors. Materials Chemistry Frontiers, 2021, 5, 7892-7902.	5.9	10
33453	Synthesis of a zigzag carbon nanobelt. Nature Chemistry, 2021, 13, 255-259.	13.6	96
33454	Effect of Carboxylic Functional Group Functionalized on Carbon Nanotubes Surface on the Removal of Lead from Water. Bioinorganic Chemistry and Applications, 2010, 2010, 1-9.	4.1	47
33467	OD Quantum Systems. , 0, , 73-76.		7
33472	Polymers Based on Carbon Nanotubes. , 0, , 271-303.		1
33479	Pincushion of Tubule Discovery and Tubular Morphology Landscape Establishment of Block Copolymer Self-Assemblies. Macromolecular Rapid Communications, 2017, 38, 1700424.	3.9	5
33480	Past, Present and Future of Fullerene Nanotubes: Buckytubes. , 2002, , 3-10.		9
33481	Nanomanipulation and Characterization of Individual Carbon Nanotubes. , 2002, , 65-74.		1
33482	Chemical Vapor Deposition. , 2003, , 102-144.		2
33483	Carbon Nanotube Based Interconnect Technology: Opportunities and Challenges. , 2007, , A181-A204.		5
33484	Nanotube Spintronics: Magnetic Systems Based on Carbon Nanotubes. , 2004, , 359-378.		3
33486	Fracture Nucleation in Single-Wall Carbon Nanotubes. , 2006, , 79-88.		2
33487	SCANNING TUNNELING MICROSCOPY AND SPECTROSCOPY OF CARBON NANOTUBES. , 2006, , 19-42.		1
33488	The Remarkable Capacities of (6,0) Carbon and Carbon/Boron/Nitrogen Model Nanotubes for Transmission of Electronic Effects. Challenges and Advances in Computational Chemistry and Physics, 2007, , 487-504.	0.6	1
33489	Development of a Microdisplay Based on the Field Emission Display Technology. Lecture Notes in Computer Science, 2005, , 1036-1044.	1.3	3
33490	Symmetry Based Fundamentals of Carbon Nanotubes. Nanoscience and Technology, 2005, , 41-88.	1.5	15

#	ARTICLE	IF	CITATIONS
33491	Topological Defects in Carbon Nanocrystals. Springer Series in Solid-state Sciences, 2006, , 93-116.	0.3	2
33492	Dendrimers with Carbon Rich-Cores. Topics in Current Chemistry, 2001, , 51-93.	4.0	46
33493	Molecular Electronics: A Review of Metal-Molecule-Metal Junctions. Lecture Notes in Physics, 2001, , 105-124.	0.7	10
33494	Novel OD Devices: Carbon-Nanotube Quantum Dots. , 1999, , 281-289.		2
33495	Nanotechnology “ Bottom-up Meets Top-down. , 2002, , 231-240.		13
33496	Strong Correlations and Electron-Phonon Interaction in Superconductors. Lecture Notes in Physics, 2000, , 211-229.	0.7	1
33497	Molecular Paneling Through Metal-Directed Self-Assembly. , 2000, , 177-201.		63
33498	Scanning Probe Microscopy of Individual Carbon Nanotube Quantum Devices. , 2007, , 423-439.		1
33499	Theoretical Study of Nanowires. , 2003, , 95-124.		2
33500	Nanowires of Functional Oxides. , 2003, , 113-137.		7
33501	Controlled Growth and Optical Properties of Zinc Oxide Nanostructures. , 2003, , 139-156.		1
33502	Biomedical Applications of Organic-Inorganic Hybrid Nanoparticles. , 2009, , 707-768.		8
33503	Composites, Multifunctional. , 2009, , 1283-1302.		2
33504	Synthesis and Patterning Methods for Nanostructures Useful for Biological Applications. Fundamental Biomedical Technologies, 2012, , 27-44.	0.2	25
33505	Chemical Vapor Deposition of Organized Architectures of Carbon Nanotubes for Applications. , 2007, , 188-211.		3
33506	Transparent Conducting Films by Using Carbon Nanotubes. , 2008, , 15-28.		3
33507	One-Dimensional SiC Nanostructures: Synthesis and Properties. , 2008, , 17-59.		21
33508	Solution Cast Films of Carbon Nanotubes for Transparent Conductors and Thin Film Transistors. Kluwer International Series in Electronic Materials: Science and Technology, 2009, , 297-328.	0.5	5

#	ARTICLE	IF	CITATIONS
33511	Isotropically Conductive Adhesives (ICAs). , 2010, , 121-225.		10
33512	Quasiparticle and Optical Properties of Solids and Nanostructures: The GW-BSE Approach. , 2005, , 215-240.		15
33513	Polyprismanes. Flights of Fun and Fancy. , 2008, , 185-226.		2
33514	The Role of Silicon in Dendritic Polymer Chemistry. Advances in Silicon Science, 2009, , 1-20.	0.6	2
33515	Direct Observation of Carbon Nanotube Growth by Environmental Transmission Electron Microscopy. Springer Proceedings in Physics, 2008, , 209-212.	0.2	1
33516	Carbon Nanotubes: From Fundamental Nanoscale Objects Towards Functional Nanocomposites and Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 101-119.	0.3	9
33517	Simulations of the Structural and Chemical Properties of Nanoporous Carbon. Carbon Materials, 2010, , 79-128.	1.2	2
33518	Exotic Carbon Phases: Structure and Properties. Carbon Materials, 2010, , 207-240.	1.2	1
33519	Multiscale Modeling of Carbon Nanotubes. Challenges and Advances in Computational Chemistry and Physics, 2010, , 367-388.	0.6	1
33520	Predicting the Atomic Configuration of 1- and 2-Dimensional Nanostructures via Global Optimization Methods. Challenges and Advances in Computational Chemistry and Physics, 2010, , 231-253.	0.6	1
33521	Carbon Nanotube Composite Materials: Opportunities and Processing Issues. NATO Science for Peace and Security Series B: Physics and Biophysics, 2009, , 181-198.	0.3	2
33523	Heteroatomic Single-Wall Nanotubes Made of Boron, Carbon, and Nitrogen. , 2009, , 45-81.		4
33524	Molecular Dynamics Simulations of Nanodiamond Graphitization. , 2010, , 35-54.		5
33525	Conductive Adhesives for Flip-Chip Applications. , 2013, , 201-261.		4
33526	Monitoring Tissue Healing Through Nanosensors. , 2011, , 41-59.		5
33527	FPCNA: A Carbon Nanotube-Based Programmable Architecture. , 2011, , 307-348.		3
33528	Engineering Carbon Nanomaterials for Stem Cell-Based Tissue Engineering. , 2014, , 641-665.		3
33529	Nanotechnology in Carbon Materials. , 1999, , 285-329.		7

#	ARTICLE	IF	CITATIONS
33530	Dielectric Elastomers for Actuators and Artificial Muscles. , 2012, , 1-56.		32
33531	Lab on a Wire: Application of Silicon Nanowires for Nanoscience and Biotechnology. , 2014, , 241-278.		3
33532	Catalyst-Free Chemical Vapor Deposition for Synthesis of SiC Nanowires with Controlled Morphology. Springer Series in Materials Science, 2013, , 179-213.	0.6	2
33533	Phonons in Bulk and Low-Dimensional Systems. Topics in Applied Physics, 2014, , 41-79.	0.8	2
33534	Electron Microscopy of Boron Nitride Nanotubes. , 2003, , 221-250.		1
33535	Micelles and Foams: 2-D Manifolds Arising from Local Interactions. NATO ASI Series Series B: Physics, 1993, , 315-329.	0.2	2
33536	Basic Electrochromics of CPs. , 1999, , 43-76.		1
33538	Nanotechnology. , 2007, 381, 411-436.		25
33539	Preheated Carbon Source for Carbon Nanotube Synthesis. , 2007, , 3-6.		2
33540	CO-tolerant Catalysts. , 2008, , 759-834.		5
33542	An innovative approach for the fabrication of highly conductive nanocomposites with different carbon. , 2010, , 9-13.		1
33543	Atomic Resolution Transmission Electron Microscopy. Springer Handbooks, 2019, , 3-47.	0.6	4
33544	Developments of Carbon-Based Membrane Materials for Water Treatment. Environmental Chemistry for A Sustainable World, 2020, , 121-175.	0.5	1
33545	Lanthanum Hydroxide Nanoparticles/Multi-Wall Carbon Nanotubes Nanocomposites. Springer Proceedings in Materials, 2020, , 25-34.	0.3	3
33546	Emerging Trends in Polymers, Composites, and Nano Biomaterial Applications. , 2021, , 19-34.		7
33547	Carbon Nanotubes: Synthesis and Application in Solar Cells. , 2020, , 159-184.		1
33548	Effect of Multiwall Carbon Nanotube (MWCNT) Concentration on Thermal and Electrical Properties of Glycerol Nanofluid. Advances in Intelligent Systems and Computing, 2020, , 297-305.	0.6	3
33549	Application and Impact of Nanotechnology in Sport. IFMBE Proceedings, 2020, , 349-362.	0.3	3

#	ARTICLE	IF	CITATIONS
33550	Characteristics of Carbon Nanotubes. Springer Series in Materials Science, 2020, , 179-214.	0.6	20
33551	Characteristics of Carbon Nanofibers. Springer Series in Materials Science, 2020, , 215-245.	0.6	27
33552	Carbon Materials From Various Sources for Composite Materials. , 2020, , 3-33.		2
33553	Transition Metal Oxide/Carbon Nanotube Composites as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 245-270.	0.6	12
33554	Carbon Nanotube as Electrode Materials for Supercapacitors. Springer Series in Materials Science, 2020, , 229-243.	0.6	21
33555	Degradation of Pesticides Residue by Engineered Nanomaterials. Sustainable Agriculture Reviews, 2021, , 259-310.	1.1	5
33556	Size-Dependent Theories of Beams, Plates and Shells. Advanced Structured Materials, 2021, , 25-78.	0.5	6
33557	Nanomaterials Synthesis Routes. Springer Series in Materials Science, 2020, , 13-26.	0.6	4
33558	Carbon Nanotubes and Their Composites: From Synthesis to Applications. Engineering Materials, 2021, , 37-67.	0.6	4
33560	Background Theory. Springer Theses, 2014, , 5-38.	0.1	3
33562	Multiscale Modeling of Multifunctional Fuzzy Fibers Based on Multi-Walled Carbon Nanotubes. Springer Series in Materials Science, 2014, , 135-176.	0.6	5
33563	Electrical Characteristics of SWCNT Chemiresistor. Environmental Science and Engineering, 2014, , 569-571.	0.2	1
33564	Holographic Liquid Crystals for Nanophotonics. Nanoscience and Technology, 2014, , 1-34.	1.5	2
33565	Aberration-Corrected Electron Microscopy of Nanoparticles. , 2015, , 1-29.		2
33566	Recent Advances in Synthesis, Modification, and Applications of TiO ₂ Nanotube Arrays by Electrochemical Anodization. , 2016, , 1379-1416.		4
33570	Oxide (TiO ₂) Nanotubes Obtained Through Sol-Gel Method. , 2016, , 1-28.		2
33571	Structure, Chirality, and Formation of Giant Icosahedral Fullerenes and Spherical Graphitic Onions. , 2015, , 101-112.		12
33572	Bio-Inspired Engineering of 3D Carbon Nanostructures. Springer Series in Biomaterials Science and Engineering, 2016, , 365-420.	1.0	1

#	ARTICLE	IF	CITATIONS
33573	Nanotubes/Polymethyl Methacrylate Composite Resins as Denture Base Materials. Springer Series in Biomaterials Science and Engineering, 2016, , 227-240.	1.0	2
33574	A Brief History of Controlled Atmosphere Transmission Electron Microscopy. , 2016, , 3-43.		3
33575	Uncertainty Analysis of Mechanical Behavior of Functionally Graded Carbon Nanotube Composite Materials. Conference Proceedings of the Society for Experimental Mechanics, 2016, , 59-72.	0.5	2
33576	Oxide (TiO ₂) Nanotubes Obtained Through Sol-Gel Method. , 2018, , 737-764.		1
33577	Introduction (General Considerations on the 1D Oxide Nanostructures). SpringerBriefs in Materials, 2016, , 1-3.	0.3	1
33578	Handbook of Nanofibers. , 2019, , .		9
33579	Experimental Investigations of Actuators Based on Carbon Nanotube Architectures. Computational Methods in Applied Sciences (Springer), 2017, , 67-95.	0.3	3
33580	Electrically Conductive Adhesives (ECAs). , 2017, , 421-468.		4
33581	Spark Plasma Sintering (SPS) of Carbon Nanotube (CNT) / Graphene Nanoplatelet (GNP)-Nickel Nanocomposites: Structure Property Analysis. , 2015, , 53-79.		1
33582	Atomistic Study of Carbon Nanotubes: Effect of Cut-Off Distance. , 2016, , 293-300.		2
33583	Nanotube Sheet “ Graphite Hybrid Nanocomposite for Damage Detection. , 2016, , 69-76.		2
33584	Investigation of Film Formation and Electrical Properties of PS Latex/MWCNT Nanocomposites. Advanced Structured Materials, 2017, , 79-100.	0.5	2
33585	Nanomaterials for Water Remediation: Synthesis, Application and Environmental Fate. , 2017, , 25-60.		7
33586	Electrochemistry: A Powerful Tool for Preparation of Semiconductor Materials for Decontamination of Organic and Inorganic Pollutants, Disinfection, and CO ₂ Reduction. , 2017, , 239-269.		1
33587	Carbon Nanotube Purification. Carbon Nanostructures, 2017, , 55-73.	0.1	2
33588	Nanosensors for Food and Agriculture. Sustainable Agriculture Reviews, 2017, , 41-79.	1.1	4
33589	Nanostructured Catalysts for the Electrochemical Reduction of CO ₂ . Nanostructure Science and Technology, 2017, , 337-373.	0.1	4
33590	Introducing Carbon Nanotubes (CNTs). , 2018, , 3-10.		2

#	ARTICLE	IF	CITATIONS
33591	CNT Applications in Microelectronics, "Nanoelectronics" and "Nanobioelectronics", 2018, , 65-72.		1
33592	CNT Applications in Displays and Transparent, Conductive Films/Substrates. , 2018, , 73-75.		1
33593	Graphene Applications in Electronics, Electrical Conductors, and Related Uses. , 2018, , 141-146.		4
33594	Characterization Methods. , 2018, , 403-488.		2
33595	Microwave- and Conductivity-Based Technologies. , 2018, , 655-669.		3
33596	CNT Applications in Sensors and Actuators. , 2018, , 53-60.		3
33597	Development of Carbon Nanotube-Reinforced Ceramic Matrix Nanocomposites for Advanced Structural Applications. , 2019, , 1-46.		2
33598	Desalination. Polymers and Polymeric Composites, 2019, , 1011-1044.	0.6	1
33599	Introduction to Carbon Nanotubes. , 2007, , 43-112.		25
33600	NanoMechanics: Elasticity in Nano-Objects. Nanoscience and Technology, 2007, , 219-254.	1.5	2
33601	Near-Field Raman Spectroscopy and Imaging. Nanoscience and Technology, 2007, , 287-329.	1.5	5
33602	Trends in Ferroelectric/Piezoelectric Ceramics. Springer Series in Materials Science, 2008, , 553-569.	0.6	2
33603	Computational Implementation of a New Multiphysics Model for Field Emission from CNT Thin Films. Lecture Notes in Computer Science, 2008, , 197-206.	1.3	1
33604	Fire-Retardant Mechanisms in Polymer Nano-Composite Materials. , 2007, , 87-108.		7
33605	Actuators in Adaptronics. , 2007, , 95-300.		3
33606	Carbon-Nanotube Metrology. Topics in Applied Physics, 2007, , 63-100.	0.8	24
33607	Mechanical and Nanomechanical Properties. , 2007, , 229-267.		1
33608	Carbon Nanotubes as SPM Tips: Mechanical Properties of Nanotube Tips and Imaging. , 2008, , 137-181.		6

#	ARTICLE	IF	CITATIONS
33609	Raman Imaging and Electronic Properties of Graphene. , 2008, , 171-176.		4
33610	Carbon Nanotube TFTs. , 2012, , 751-776.		1
33611	CHH Cement Composite. , 2009, , 181-185.		10
33612	Polymer Nanocomposites for Infrastructure Rehabilitation. , 2009, , 241-250.		3
33613	Conversion of Metal Oxide Nanosheets into Nanotubes. Topics in Applied Physics, 2010, , 135-146.	0.8	8
33614	Synthesis and Applications of Titanium Oxide Nanotubes. Topics in Applied Physics, 2010, , 17-32.	0.8	30
33615	Ohmic and Schottky Contact CNTFET: Transport Properties and Device Performance Using Semi-classical and Quantum Particle Simulation. Engineering Materials, 2011, , 215-235.	0.6	3
33616	Multifunctional and Smart Carbon Nanotube Reinforced Cement-Based Materials. , 2011, , 1-47.		70
33617	Materials for Adsorbent Applications. , 2011, , 141-155.		2
33618	Compound Crystals. , 2013, , 605-638.		2
33619	Carbon in Polymer. , 2013, , 695-728.		1
33620	Fullerenes and Beyond: Complexity, Morphology, and Functionality in Closed Carbon Nanostructures. , 2013, , 83-104.		6
33621	Single-Walled Carbon Nanotubes. , 2013, , 105-146.		26
33622	Multi-Walled Carbon Nanotubes. , 2013, , 147-188.		37
33623	Carbon Nanofibers. , 2013, , 233-262.		36
33624	Polyamide 12: Carbon Nanotube Composite Material Under the Aspect of Future Application as Balloon Catheter Material. , 2013, , 275-286.		1
33625	Spectroscopic Studies of the Influence of Multi-Walled Carbon Nanotubes on the Hydration of Tricalcium Silicate and Microstructure of Calcium Silicate Hydrate Phases. , 2012, , 765-772.		1
33627	DNA-Directed Assembly of Nanophase Materials: An Updated Review. , 2013, , 157-183.		2

#	ARTICLE	IF	CITATIONS
33629	Advances in Carbon Nanotube Technology for Corrosion Applications. , 2015, , 335-359.		5
33630	Structural Phase Transformation. Springer Series in Materials Science, 1998, , 141-181.	0.6	3
33631	Generation of Graphitic Onions. Springer Series in Solid-state Sciences, 1993, , 78-82.	0.3	1
33632	A molecular dynamics study on the formation of metallofullerene. , 1999, , 385-388.		5
33633	The Wonderful World of Carbon. Springer Series in Materials Science, 1998, , 9-29.	0.6	5
33634	Crystalline Ropes of Metallic Carbon Nanotubes. Springer Series in Materials Science, 1998, , 31-40.	0.6	7
33635	The Geometry of Multishell Nanotubes. Springer Series in Materials Science, 1998, , 51-79.	0.6	3
33637	Electronic, Transport and Mechanical Properties of Carbon Nanotubes. Springer Series in Cluster Physics, 2002, , 187-220.	0.3	3
33638	Introduction to Carbon Nanotubes. , 2004, , 39-98.		1
33640	Nanostructured Materials for Soft Robotics “ Sensors and Actuators. , 2015, , 147-156.		2
33642	Introduction to Clay- and Carbon-Based Polymer Nanocomposites: Materials, Processing, and Characterization. , 2017, , 1-24.		2
33643	Molecular Simulation of Adsorption of Gases on Nanotubes. , 2010, , 41-67.		7
33644	Statistical Mechanical Lattice Model Studies of Adsorption in Nanochannels Treated by Exact Matrix Methods. , 2010, , 121-145.		1
33645	Reduction of Metal Ions in Polymer Matrices as a Condensation Method of Nanocomposite Synthesis. , 2014, , 13-89.		8
33646	Phase Ordering in Mixtures of Liquid Crystals and Nanoparticles. NATO Science for Peace and Security Series A: Chemistry and Biology, 2010, , 125-139.	0.5	3
33647	Integration of Observational and Analytical Methodologies to Characterize Organic Matter in Early Archaean Rocks: Distinguishing Biological from Abiotically Synthesized Carbonaceous Matter Structures. , 2011, , 209-237.		5
33648	Carbon Nanotubes: Biorisks and Biodefence. NATO Science for Peace and Security Series A: Chemistry and Biology, 2011, , 11-22.	0.5	5
33649	The Topological Background of Schwarzite Physics. Carbon Materials, 2011, , 217-247.	1.2	7

#	ARTICLE	IF	CITATIONS
33650	Wiener Index of Nanotubes, Toroidal Fullerenes and Nanostars. Carbon Materials, 2011, , 21-38.	1.2	2
33651	Toxicity Study of Nanofibers. , 2011, , 133-149.		3
33652	Carbon Nanotubes for Environmental Protection. Environmental Chemistry for A Sustainable World, 2012, , 83-98.	0.5	1
33653	Nanoplatforms for Detection, Remediation and Protection Against Chem-Bio Warfare. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 191-203.	0.5	1
33654	Topological Versus Physical and Chemical Properties of Negatively Curved Carbon Surfaces. Carbon Materials, 2013, , 105-136.	1.2	2
33655	Symmetry in Spheroalcanes, Fullerenes, Tubules and Other Column-Like Aggregates. , 1996, , 181-201.		3
33656	Fundamental Properties and Applications of Fullerene and Carbon Nanotube Systems. , 2002, , 213-224.		2
33657	Modeling and Interpretation of STM Images of Carbon Nanosystems. , 2002, , 43-58.		2
33659	Atomic Force Microscopy Investigation of Carbon Nanotubes. , 2001, , 255-263.		2
33660	Electronic Properties of Carbon Nanotubes and Applications. , 2001, , 11-49.		2
33661	Properties and Applications of Carbon Nanotubes. , 2001, , 315-330.		13
33662	Carbon Nanotubes Formation in the Arc Discharge Process. , 2001, , 75-84.		5
33663	Catalytic Production, Purification, Characterization and Application of Single-and Multiwall Carbon Nanotubes. , 2001, , 85-109.		7
33665	Spatially Resolved EELS on Carbon-Based Nanostructures. , 2001, , 201-232.		5
33666	Scanning Probe Microscopy (STM, AFM) Investigation of Carbon Nanotubes. , 2000, , 405-420.		1
33667	Preparation and Structure of Carbon Fibres and Carbon Nanotubes from the Vapour Phase. , 2001, , 207-216.		1
33668	Past, Present and Future of Fullerene Nanotubes: Buckytubes. , 2002, , 3-10.		6
33669	FT-ICR Reaction Experiments and Molecular Dynamics Simulations of Precursor Clusters for SWNTs. , 2002, , 131-142.		1

#	ARTICLE	IF	CITATIONS
33670	Physical Hydrogen Storage on Nanotubes and Nanocarbon Materials. , 2002, , 327-339.		1
33671	Graphite â€” A Unique Host Lattice. Physics and Chemistry of Materials With Low-dimensional Structures, 1994, , 83-176.	1.0	12
33672	Synthesis and Characterization of Carbon Nanotubes. , 1994, , 11-25.		2
33673	Competing Factors in Fullerene Stability. , 1994, , 41-62.		4
33674	Carbon - From Space to Laboratory. Astrophysics and Space Science Library, 1999, , 249-277.	2.7	8
33675	Carbyne Intercalation Compounds. Physics and Chemistry of Materials With Low-dimensional Structures, 1999, , 269-294.	1.0	1
33676	Synthesis of Nanowires Encapsulated in Carbon Nanotubes by the Arc Discharge Method. , 1997, , 99-108.		2
33677	From Fullerenes to Nanotubes. , 1996, , 19-26.		2
33678	Theoretical Study of the Structure and Electronic Properties of Carbon and B X C Y N Z Nanotubes. , 1996, , 419-435.		1
33679	Electronic and Doping Properties of B x C y N z Nanotubes. , 1997, , 133-142.		1
33680	Nanostructure Science and Technology. , 1999, , .		152
33681	Functional Nanoscale Devices. , 1999, , 67-91.		4
33682	Nanotechnology Research Directions: IWGN Workshop Report. , 2000, , .		150
33683	Applications: Nanodevices, Nanoelectronics, and Nanosensors. , 2000, , 111-138.		2
33685	Molecular Modeling and Simulation of Physical Properties and Behavior of Low-Dimensional Carbon Allotropes. , 2014, , 45-109.		1
33686	Application of Carbon Nanotubes in Fluidic Waste treatment and Energy Harvesting. , 2019, , 1273-1285.		1
33688	Background: Carbon Nanotubes for Targeted Drug Delivery. SpringerBriefs in Applied Sciences and Technology, 2019, , 1-9.	0.4	4
33689	Toxicity Consideration of Carbon Nanotubes. SpringerBriefs in Applied Sciences and Technology, 2019, , 89-101.	0.4	1

#	ARTICLE	IF	CITATIONS
33690	Regulatory Considerations of Carbon Nanotubes. SpringerBriefs in Applied Sciences and Technology, 2019, , 103-106.	0.4	3
33691	Synthesis of Carbon Nanotubes. SpringerBriefs in Applied Sciences and Technology, 2019, , 17-20.	0.4	2
33692	Carbon-based Nanozymes. Nanostructure Science and Technology, 2020, , 171-193.	0.1	3
33693	Introduction to Transparent Conductors. Springer Theses, 2020, , 1-8.	0.1	1
33694	Performance Analysis of Multiwalled Carbon Nanotube, Composite Multiwalled Carbon Nanotube, and Copper-Based Antenna in X-Band Applications. Lecture Notes in Electrical Engineering, 2021, , 439-448.	0.4	2
33696	Carbon Nanotube-Based Antimicrobial and Antifouling Surfaces. Materials Horizons, 2020, , 65-93.	0.6	4
33698	Carbon Nanotubes in Agriculture: Production, Potential, and Prospects. , 2019, , 121-130.		7
33699	Nanotechnology and Its Role in Agronomic Crops. , 2019, , 605-636.		2
33700	Dynamic stability of viscoelastic nanotubes conveying pulsating magnetic nanoflow under magnetic field. Engineering With Computers, 2021, 37, 2877-2889.	6.1	11
33701	Active composites based on shape memory polymers: overview, fabrication methods, applications, and future prospects. Journal of Materials Science, 2020, 55, 10975-11051.	3.7	53
33702	Carbon Nanotube Sensing Skins for Spatial Strain and Impact Damage Identification. , 2009, 28, 9.		1
33703	Investigation of optical properties and glass transition temperature of nano-epoxy matrix. Bulletin of Materials Science, 2020, 43, 1.	1.7	2
33704	Target-specific gene delivery in plant systems and their expression: Insights into recent developments. Journal of Biosciences, 2020, 45, 1.	1.1	12
33705	Processing and Characterization of Graphene and Multi-wall Carbon Nanotube-Reinforced Aluminium Alloy AA2219 Composites Processed by Ball Milling and Vacuum Hot Pressing. Metallography, Microstructure, and Analysis, 2017, 6, 289-303.	1.0	14
33706	Single-walled carbon nanotubes loaded hydroxyapatite-“alginate beads with enhanced mechanical properties and sustained drug release ability. Progress in Biomaterials, 2020, 9, 1-14.	4.5	14
33707	MEMS-based Material Testing Systems. , 2006, , 1-10.		2
33708	CATALYTIC PRODUCTION AND PURIFICATION OF NANOTUBULES HAVING FULLERENE-SCALE DIAMETERS. , 1996, , 15-26.		2
33709	HEMI-TOROIDAL NETWORKS IN PYROLYTIC CARBON NANOTUBES. , 1996, , 105-109.		3

#	ARTICLE	IF	CITATIONS
33710	PROPERTIES OF BUCKYTUBES AND DERIVATIVES. , 1996, , 111-120.		4
33711	ELECTRONIC PROPERTIES OF CARBON NANOTUBES: EXPERIMENTAL RESULTS. , 1996, , 121-128.		1
33712	VIBRATIONAL MODES OF CARBON NANOTUBES; SPECTROSCOPY AND THEORY. , 1996, , 129-142.		5
33713	NANOPARTICLES AND FILLED NANOCAPSULES. , 1996, , 153-162.		5
33714	On-Surface Chemistry of Alkyne Derivatives. , 2018, , 324-334.		3
33715	The Scientometric Overview in Cancer Targeting. , 2016, , 871-895.		5
33716	Electronic Properties of Carbon Nanotubes Probed by Magnetic Measurements. , 1999, , 76-88.		2
33717	Capillarity in Carbon Nanotubes. , 1999, , 128-142.		7
33718	Carbon Nanotubes as a Novel π -Electron Material and Their Promise for Technological Applications. , 1999, , 153-163.		1
33719	Multiscale meshfree method for the analysis of carbon nanotube-based materials. , 2003, , 2101-2104.		1
33720	MOLECULAR ORGANIZATION OF PEPTIDES AND THEIR FUNCTION. , 2001, , 207-231.		1
33721	Nanostructured actinide compounds: an introduction. , 2007, , 443-456.		2
33722	Introduction to advanced nanocomposites in civil, structural, and construction engineering. , 2016, , 1-5.		1
33723	Nonlinear stability and vibration of imperfect CNTs by Doublet mechanics. Applied Mathematics and Computation, 2020, 382, 125311.	2.2	33
33724	Development of a paper-based microanalysis device doped with multi-walled carbon nanotubes for in vitro evaluation of fluorene cytotoxicity. Bioelectrochemistry, 2020, 135, 107552.	4.6	7
33725	Phonon transport probed at carbon nanotube yarn/sheet boundaries by ultrafast structural dynamics. Carbon, 2020, 170, 165-173.	10.3	5
33726	Novel Mercury(II) 1-Phenyl-1H-tetrazol-5-thiol and carbon nanotube complexes: synthesis, characterization and H ₂ storage capacities. Chemical Data Collections, 2020, 28, 100399.	2.3	33
33727	In-situ growth of novel CNTs-graphene hybrid structure on Ni-silica nanocomposites by CVD method for oxygen evolution reaction. Ceramics International, 2020, 46, 19158-19169.	4.8	28

#	ARTICLE	IF	CITATIONS
33728	Supramolecular Purification and Regioselective Functionalization of Fullerenes and Endohedral Metallofullerenes. <i>Chem</i> , 2020, 6, 3219-3262.	11.7	38
33729	Biophilic carbon nanotubes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 310-318.	5.0	10
33730	Nonlinear flexural behavior of temperature-dependent FG-CNTRC laminated beams with negative Poisson's ratio resting on the Pasternak foundation. <i>Engineering Structures</i> , 2020, 207, 110250.	5.3	51
33731	Co-transport of multi-walled carbon nanotubes and sodium dodecylbenzenesulfonate in chemically heterogeneous porous media. <i>Environmental Pollution</i> , 2019, 247, 907-916.	7.5	28
33732	Transformation of TiO ₂ nanoparticles to nanotubes by simple solvothermal route and its performance as dye-sensitized solar cell (DSSC) photoanode. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15441-15452.	7.1	41
33733	Revalorization of CO ₂ for methanol production via ZnO promoted carbon nanofibers based Cu-ZrO ₂ catalytic hydrogenation. <i>Journal of Energy Chemistry</i> , 2019, 39, 68-76.	12.9	49
33734	Polycyclic silicone polymer as novel single source precursor for the facile synthesis of nanostructured SiC. <i>Materials Chemistry and Physics</i> , 2018, 206, 64-70.	4.0	4
33735	Ozone treatment on the dispersion of carbon nanotubes in ultra-high performance concrete. <i>Materials and Design</i> , 2020, 193, 108813.	7.0	22
33736	Three-phase modelling and characterization of elastic behavior of MWCNT reinforced GFRP composites: A combined numerical and experimental study. <i>Materials Today: Proceedings</i> , 2020, 26, 944-949.	1.8	12
33737	A brief review on the mechanical properties of Carbon nanotube reinforced polymer composites. <i>Materials Today: Proceedings</i> , 2020, 22, 2109-2117.	1.8	21
33738	Hot corrosion behaviour of CNT-reinforced zirconium yttrium composite coating at elevated temperature. <i>Materials Today: Proceedings</i> , 2020, 28, 1530-1539.	1.8	4
33739	The recent advancement of low-dimensional nanostructured materials for drug delivery and drug sensing application: A brief review. <i>Journal of Molecular Liquids</i> , 2020, 320, 114427.	4.9	70
33740	Preparation of CNTs/Cu composites with good electrical conductivity and excellent mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 771, 138656.	5.6	56
33741	Crl ₃ magnetic nanotubes: A comparative DFT and DFT+U study, and strain effect. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020, 123, 114205.	2.7	12
33742	Topological carbon materials: A new perspective. <i>Physics Reports</i> , 2020, 868, 1-32.	25.6	42
33743	New insight into structure-property relationships of natural rubber and styrene-butadiene rubber nanocomposites filled with MWCNT. <i>Polymer</i> , 2020, 201, 122604.	3.8	21
33746	Detection of partial discharge in SF ₆ gas using a carbon nanotube-based gas sensor. <i>Sensors and Actuators B: Chemical</i> , 2005, 105, 164-169.	7.8	20
33747	A novel, PbS quantum dot-Sensitized solar cell structure with TiO ₂ -fMWCNTs nano-composite filled meso-porous anatase TiO ₂ photoanode. <i>Solar Energy</i> , 2020, 204, 617-623.	6.1	15

#	ARTICLE	IF	CITATIONS
33748	Recent advancement of carbon nanomaterials engrained molecular imprinted polymer for environmental matrix. Trends in Environmental Analytical Chemistry, 2020, 27, e00092.	10.3	42
33749	Agglomeration effects on free vibration characteristics of three-phase CNT/polymer/fiber laminated truncated conical shells. Thin-Walled Structures, 2020, 157, 107077.	5.3	49
33750	Molecular self-assemblies through coordination. Advances in Supramolecular Chemistry, 2000, , 1-39.	1.8	27
33751	Metal-carbon clusters. Advances in Metal and Semiconductor Clusters, 1996, , 181-221.	1.5	4
33752	Electron nanodiffraction and stem imaging of nanoparticles and nanotubes. Advances in Metal and Semiconductor Clusters, 1998, , 67-113.	1.5	2
33753	A review of graphynes: Properties, applications and synthesis. New Carbon Materials, 2020, 35, 619-629.	6.1	32
33756	The New Physics. , 2006, , .		12
33758	Nanoconfined Liquid Phase Nanoextraction Based on Carbon Nanofibers. Analytical Chemistry, 2021, 93, 1310-1316.	6.5	12
33759	Tunneling Plasmonics: Vacuum Rabi Oscillations in Carbon Nanotube Mediated Electromigrated Nanojunctions. Journal of Physical Chemistry C, 2021, 125, 782-791.	3.1	20
33760	Carbon Nanotubesâ€“Nanoporous Anodic Alumina Composite Membranes: Influence of Template on Structural, Chemical, and Transport Properties. Journal of Physical Chemistry C, 2017, 121, 13634-13644.	3.1	14
33761	Polystyrene Homopolymer Enhances Dispersion of MWCNTs Stabilized in Solution by a PS-b-P2VP Copolymer. Langmuir, 2021, 37, 391-399.	3.5	2
33762	Selecting Carbon Nanotubes with Diameters of Less than 1 nm by Laser Pulses: An Ab Initio Exploration. Nano Letters, 2020, 20, 4416-4421.	9.1	1
33763	Morphology-Controlled Tensile Mechanical Characteristics in Graphene Allotropes. ACS Omega, 2017, 2, 3977-3988.	3.5	26
33764	Characterization of Nanomaterials Using Transmission Electron Microscopy. RSC Nanoscience and Nanotechnology, 2015, , 1-29.	0.2	31
33765	Fabrication Techniques of Graphene Nanostructures. RSC Nanoscience and Nanotechnology, 2014, , 1-30.	0.2	17
33766	CHAPTER 4. Design and Physicochemical Characterization of Novel Organicâ€“Inorganic Hybrids from Natural Aluminosilicate Nanotubes. RSC Smart Materials, 2016, , 131-156.	0.1	5
33767	Computational Materials Discovery: Dream or Reality?. , 2018, , 1-14.		3
33768	Carbon-based Nanomaterials in Analytical Chemistry. RSC Detection Science, 2018, , 1-36.	0.0	10

#	ARTICLE	IF	CITATIONS
33769	Controlling high coercivities in cm-scale buckypapers with unusual stacking of vertically aligned and randomly entangled Fe-filled carbon nanotubes. RSC Advances, 2016, 6, 69226-69232.	3.6	12
33770	Micrometre-length continuous single-crystalline nm-thin Fe ₃ C-nanowires with unusual 010 preferred orientation inside radial few-wall carbon nanotube structures: the key role of sulfur in viscous boundary layer CVS of ferrocene. RSC Advances, 2017, 7, 13272-13280.	3.6	12
33771	Tinâ€‘carbon nanomaterial formation in a helium atmosphere during arc-discharge. RSC Advances, 2019, 9, 36621-36630.	3.6	8
33772	Recent developments in pre-treatment and analytical techniques for synthetic polymers by MALDI-TOF mass spectrometry. Analytical Methods, 2020, 12, 5767-5800.	2.7	12
33773	Topology of transition metal dichalcogenides: the case of the coreâ€‘shell architecture. Nanoscale, 2020, 12, 23897-23919.	5.6	14
33775	Review on development of carbon nanotube field emission cathode for space propulsion systems. High Voltage, 2020, 5, 409-415.	4.7	20
33776	Electrical properties of osteoblasts cultured on carbon nanotubes. Micro and Nano Letters, 2006, 1, 19.	1.3	12
33777	Formation of rare earth hydroxide nanotubes and whiskers as corrosion product of LaNi ₅ -type alloys in aqueous KOH. EPJ Applied Physics, 2000, 9, 205-213.	0.7	7
33778	Electrostatic displacement of multiwalled carbon nanotubes by scanning a voltage-applied tip of an atomic force microscope. EPJ Applied Physics, 2004, 28, 301-304.	0.7	3
33779	Shape transformations in single-layer carbon nanotubes. Microscopy Microanalysis Microstructures, 1993, 4, 501-504.	0.4	25
33780	HREM characterization of graphitic nanotubes. Microscopy Microanalysis Microstructures, 1993, 4, 505-512.	0.4	6
33781	Quantitative Elemental Distribution Image of a Carbon Nanotube. Microscopy Microanalysis Microstructures, 1995, 6, 405-413.	0.4	7
33782	Highly enhanced and temporally stable field emission from MWCNTs grown on aluminum coated silicon substrate. AIP Advances, 2015, 5, .	1.3	8
33783	Mapping the transition from catalyst-pool to bamboo-like growth-mechanism in vertically-aligned free-standing films of carbon nanotubes filled with Fe ₃ C: The key role of water. AIP Advances, 2016, 6, 085101.	1.3	3
33784	Direct interaction of flagellin termini essential for polymorphic ability of flagellarâ€‘filament. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 15108-15113.	7.1	49
33785	The performance of the single-walled carbon nanotube covalently modified with polyethylene glycol to delivery of Gemcitabine anticancer drug in the aqueous environment. Journal of Biomolecular Structure and Dynamics, 2021, 39, 881-888.	3.5	9
33787	Uniformly Dispersed Nano-SiO ₂ Particles Reinforced Copper Matrix by Chemical Coprecipitation Method. Integrated Ferroelectrics, 2020, 207, 148-155.	0.7	4
33788	Investigation on vibration characteristics of fluid conveying single walled carbon nanotube via DTM. Australian Journal of Mechanical Engineering, 0, , 1-7.	2.1	1

#	ARTICLE	IF	CITATIONS
33789	Study on the performance of NaBH ₄ using Ru-Co/CNTs catalyst to catalyze alcoholysis to produce hydrogen. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 891-899.	2.1	11
33790	Thermal and kinetic properties of poly(vinylacetate)/modified MWCNT nanocomposites. Fullerenes Nanotubes and Carbon Nanostructures, 2021, 29, 475-485.	2.1	11
33791	On size-dependent nonlinear free vibration of carbon nanotube-reinforced beams based on the nonlocal elasticity theory: Perturbation technique. Mechanics Based Design of Structures and Machines, 2022, 50, 2124-2146.	4.7	37
33792	<i>In vivo</i> near-infrared fluorescent optical imaging for CNS drug discovery. Expert Opinion on Drug Discovery, 2020, 15, 903-915.	5.0	24
33793	Editor's note. Nanotechnology, 2006, 17, R41-R56.	2.6	23
33794	A new two-dimensional semiconducting carbon allotrope with direct band gap: a first-principles prediction. Journal of Physics Condensed Matter, 2021, 33, 045502.	1.8	6
33795	Piezoelectric effects in boron nitride nanotubes predicted by the atomistic finite element method and molecular mechanics. Nanotechnology, 2017, 28, 355705.	2.6	13
33796	Selective synthesis of DC carbon arc-generated carbon nanotube and layered-graphene and the associated mechanism. Nanotechnology, 2021, 32, 105602.	2.6	3
33797	Effect of doping profile variation on nanoscale cylindrical gate carbon nanotube field-effect transistor: a computational study using nonequilibrium Green's function formalism. Semiconductor Science and Technology, 2021, 36, 015012.	2.0	7
33798	Topological phase transition from T-carbon to bct-C ₁₆ . New Journal of Physics, 2020, 22, 073036.	2.9	5
33799	Charge structure factors of doped armchair nanotubes in the presence of electron-phonon interaction. Chinese Physics B, 2020, 29, 096501.	1.4	1
33800	Towards ultra-high gradient particle acceleration in carbon nanotubes. Journal of Physics: Conference Series, 2020, 1596, 012028.	0.4	1
33801	The structure of multi-walled carbon nanotubes as a factor affecting the life of E. Coli. Journal of Physics: Conference Series, 2020, 1611, 012009.	0.4	11
33802	Effects of electron irradiation on single-walled carbon nanotubes. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012180.	0.6	1
33803	Topological carbon allotropes: knotted molecules, carbon-nano-chain, chainmails, and Hopfene. Materials Research Express, 2020, 7, 056301.	1.6	5
33804	Few-layer flakes of Molybdenum Disulphide produced by anodic arc discharge in pulsed mode. Plasma Research Express, 2019, 1, 045009.	0.9	6
33807	Toward the Emergence of Nanoneurosurgery: Part I—Progress in Nanoscience, Nanotechnology, and the Comprehension of Events in the Mesoscale Realm. Neurosurgery, 2005, 57, 606-634.	1.1	24
33808	Novel 2D CaCl crystals with metallicity, room-temperature ferromagnetism, heterojunction, piezoelectricity-like property and monovalent calcium ions. National Science Review, 2021, 8, nwaa274.	9.5	16

#	ARTICLE	IF	CITATIONS
33810	Particle-in-cell simulation of x-ray wakefield acceleration and betatron radiation in nanotubes. Physical Review Accelerators and Beams, 2016, 19, .	1.6	38
33811	Stacking- and chirality-dependent collapse of single-walled carbon nanotubes: A large-scale density-functional study. Physical Review B, 2019, 100, .	3.2	21
33812	Charged iodide in chains behind the highly efficient iodine doping in carbon nanotubes. Physical Review Materials, 2017, 1, .	2.4	25
33813	Heavy boron doping in superconducting carbon materials. Physical Review Materials, 2020, 4, .	2.4	3
33814	Topological superconductivity in carbon nanotubes with a small magnetic flux. Physical Review Research, 2020, 2, .	3.6	12
33815	Electron pairing induced by repulsive interactions in tunable one-dimensional platforms. Physical Review Research, 2020, 2, .	3.6	5
33816	Amelioration of freeze thaw damage of concrete with multi-walled carbon nano tubes. World Journal of Engineering, 2021, 18, 58-65.	1.6	5
33817	Strength of CNT Cement Composites with Different Types of Surfactants and Doses. Journal of the Korea Institute for Structural Maintenance Inspection, 2015, 19, 99-107.	0.1	3
33818	Interlayer Attraction Force in Concentric Carbon Nanotubes. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	2.2	4
33819	A Review on Nanocomposites. Part 1: Mechanical Properties. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2020, 142, .	2.2	8
33820	Imperfect Bifurcation and Chaos of Slightly Curved Carbon Nanotube Conveying Hot Pressurized Fluid Resting on Foundations. Journal of Fluids Engineering, Transactions of the ASME, 2020, 142, .	1.5	3
33821	Elastic Properties and Nonlinear Elasticity of the Noncarbon Hexagonal Lattice Nanomaterials Based on the Multiscale Modeling. Journal of Engineering Materials and Technology, Transactions of the ASME, 2021, 143, .	1.4	5
33822	Pull-Out Testing of SWCNTs Simulated by Molecular Dynamics. International Journal of Theoretical and Applied Nanotechnology, 0, , .	0.0	6
33823	Liquid-phase exfoliated semiconducting single-walled carbon nanotubes as a saturable absorber for passively Q-switched laser. Journal of Nanophotonics, 2018, 12, 1.	1.0	4
33824	Polymer dispersed liquid crystals films doped with carbon nanotubes: preparation methods. , 2018, , .		8
33825	Microscopic Growth Mechanisms for Carbon Nanotubes. Science, 1997, 275, 647-649.	12.6	220
33826	MECHANICAL PROPERTIES, STABILITY, AND BUCKLING OF GRAPHENE SHEETS AND CARBON NANOTUBES (REVIEW). Journal of Applied Mechanics and Technical Physics, 2020, 61, 834-846.	0.5	16
33827	On diffusion of single-walled carbon nanotubes. Thermophysics and Aeromechanics, 2020, 27, 847-855.	0.5	6

#	ARTICLE	IF	CITATIONS
33828	Modeling of the Mechanical Properties of Chiral Metallic Nanotubes. Physical Mesomechanics, 2020, 23, 477-486.	1.9	9
33829	Câ€C20 Carbyneâ€Carbinofullerene Chains. Physics of the Solid State, 2019, 61, 2553-2559.	0.6	2
33830	Voltammetric Determination of Mitomycin c Using a Chemically-Modified Glassy Carbon Electrode. Collection of Czechoslovak Chemical Communications, 2005, 70, 178-187.	1.0	6
33831	Electroanalysis of some catecholamines at a single-wall nanotubes modified carbon paste electrode. Collection of Czechoslovak Chemical Communications, 2010, 75, 1217-1228.	1.0	3
33832	Vertical Growth of Individual Single-Walled Carbon Nanotubes on Silicon and SiO2Substrates. Japanese Journal of Applied Physics, 2005, 44, 1564-1568.	1.5	11
33833	Fabrication of a Single-Electron Inverter in Single-Wall Carbon Nanotubes. Japanese Journal of Applied Physics, 2005, 44, 1588-1591.	1.5	12
33834	Mass Spectroscopy of Chemical Reaction of 3d Metal Clusters Involved in Chemical Vapor Deposition Synthesis of Carbon Nanotubes. Japanese Journal of Applied Physics, 2008, 47, 1931-1936.	1.5	13
33835	Effect of Ambient Gas on the Catalytic Properties of Au in Single-Walled Carbon Nanotube Growth. Japanese Journal of Applied Physics, 2008, 47, 1966.	1.5	7
33836	Elementary Excitations in Cylinder Bundles. Journal of the Physical Society of Japan, 1998, 67, 2522-2528.	1.6	5
33837	Ground-State Properties of a Peierlsâ€Hubbard Triangular Prism. Journal of the Physical Society of Japan, 2010, 79, 044709.	1.6	7
33838	Nanoantennas design for THz communication. , 2020, , .		2
33839	Nano-Crystalline Quartz Prepared by AP-CVD. Electrochemical and Solid-State Letters, 2005, 8, C72.	2.2	2
33840	Properties of Nitrogen-Doped Nano-Crystalline Graphite Thin Films and Their Application as Electrochemical Sensors. Journal of the Electrochemical Society, 2020, 167, 126510.	2.9	6
33841	An Analytical Model for Ballistic Carbon Nanotube Field Effect Transistor Applicable to Circuit Simulators. ECS Journal of Solid State Science and Technology, 2017, 6, M109-M113.	1.8	1
33842	Dynamical and Static Charge Structure Factors of Doped Zigzag Nanotubes. ECS Journal of Solid State Science and Technology, 2020, 9, 051004.	1.8	2
33843	Thermoelectric Properties of Graphene Like Nanotube Structure Due to Next-to-nearest Neighbor Hopping Amplitude. ECS Journal of Solid State Science and Technology, 2020, 9, 051009.	1.8	1
33844	Sub-harmonic Bifurcation Analysis of Single-Walled Carbon Nanotube Based Mass Sensor. Applied and Computational Mathematics, 2016, 5, 97.	0.3	2
33845	Corrosion Behaviour of CNT Reinforced AA 7075 Nanocomposites. Advances in Materials, 2013, 2, 1.	1.0	11

#	ARTICLE	IF	CITATIONS
33846	Purification and Characterization of Carbon Nanotubes and the Formation of Magnetic Semiconductors for the Spintronic Application. Science Research, 2015, 3, 122.	0.2	3
33847	Modelling of Paclitaxel Conjugated with Carbon Nanotubes as an Antitumor Agent for Cancer Therapy. Journal of Biomedical Nanotechnology, 2020, 16, 224-234.	1.1	10
33848	Interactions Between Cultured Neurons and Carbon Nanotubes: A Nanoneuroscience Vignette. Journal of Nanoneuroscience, 2009, 1, 10-16.	0.5	45
33849	Transmission Light Microscopy of Carbon Nanotubes-Epoxy Nanocomposites Involving Different Dispersion Methods. Advanced Composites Letters, 2006, 15, 096369350601500.	1.3	25
33850	Structure of non-graphitising carbons. International Materials Reviews, 1997, 42, 206-218.	19.3	16
33851	Autogenous Shrinkage and Crack Resistance of Carbon Nanotubes Reinforced Cement-Based Materials. International Journal of Concrete Structures and Materials, 2020, 14, .	3.2	13
33852	Layered Metal Chalcogenides. , 2004, , .		1
33853	Modeling of Carbon Nanotube/Polymer Composites. , 2005, , .		1
33854	Synthesis of Boron Nitride Nanotubes Using a Ball-Milling and Annealing Method. , 2005, , .		2
33855	Structures and Properties of Carbon Nanotubes. , 2004, , 1-24.		12
33856	Computational Nanotechnology of Carbon Nanotubes. , 2004, , 25-63.		17
33857	Growth of Carbon Nanotubes by Arc Discharge and Laser Ablation. , 2004, , 65-97.		9
33858	Characterization Techniques in Carbon Nanotube Research. , 2004, , 117-136.		1
33859	Carbon Nanotube-Based Metal-Organic Framework Nanocomposites. , 2020, , 237-260.		1
33860	Carbon Nanotubes: Properties and Applications. , 2019, , 195-216.		2
33863	Nanocomposite Scaffolds for Tissue Engineering. The Electrical Engineering Handbook, 2006, , 40-1-40-11.	0.2	1
33865	Rubber Nanocomposites Based on Miscellaneous Nanofillers. , 2008, , .		1
33866	Nanocomposite Scaffolds for Tissue Engineering. , 2007, , 11-1-11-11.		1

#	ARTICLE	IF	CITATIONS
33869	Graphite Whiskers, Cones, and Polyhedral Crystals. Advanced Materials and Technologies, 2006, , 149-174.	0.4	2
33871	Inorganic Nanotubes and Fullerene-Like Materials of Metal Dichalcogenide and Related Layered Compounds. Advanced Materials and Technologies, 2006, , 135-155.	0.4	2
33872	Carbon Chain Molecules in Cryogenic Matrices. , 2005, , 1-14.		2
33873	Size Effects on Thermal Transport. , 2005, , 14-1-14-15.		2
33874	Advanced Battery Applications of Carbons. Advanced Materials and Technologies, 2009, , 469-507.	0.4	3
33876	Polymer Nanocomposites. , 2009, , 261-299.		2
33877	Shape-Memory Polymer Composites. , 2010, , 203-232.		5
33879	Carbon Nanotubes and Infectious Diseases. , 2011, , .		7
33880	Recent Developments in Boron Neutron Capture Therapy Driven by Nanotechnology. , 2016, , 167-184.		4
33881	Nanostructures and Nanomaterials via DNA-Based Self-Assembly. , 2011, , 13-48.		2
33882	Nanotechnology and Limits to Growth. Perspectives in Nanotechnology, 2011, , 3-20.	0.1	1
33883	- Atomistic Simulation of Gas Adsorption in Carbon Nanostructures. , 2012, , 307-348.		1
33884	Applications of Carbon Nanotubes in Biosensing and Nanomedicine. , 2017, , 169-210.		1
33885	Aspects of Speciation. , 2013, , 9-26.		1
33886	Commercial-Scale Production of Nanoparticles. , 2013, , 139-169.		2
33887	CARBON-BASED HIGH ASPECT RATIO POLYMER NANOCOMPOSITES. , 2013, , 85-123.		4
33888	Present Status of Hard-Yet-Tough Ceramic Coatings. Advances in Materials Science and Engineering, 2015, , 1-46.	0.4	1
33890	A Detailed Review On Modeling Of Cnt/green Polymer Composites. , 2016, , 109-176.		2

#	ARTICLE	IF	CITATIONS
33892	Carbon Nanotubes and Other Carbon Materials. , 2008, , 691-706.		1
33893	Carbon Nanotubes for Storage of Energy. , 2008, , 707-721.		2
33894	Synthesis of Multi-Walled Carbon Nanotubes by Fluidized-Bed Chemical Vapor Deposition over Co/Al ₂ O ₃ . Journal of Chemical Engineering of Japan, 2014, 47, 28-39.	0.6	3
33895	Simple Evaluation Scheme of Adsorbate-Solid Interaction for Nano-Pore Characterization Studied with Monte Carlo Simulation.. Journal of Chemical Engineering of Japan, 2000, 33, 103-112.	0.6	14
33896	Nanotechnology-supported THz medical imaging. F1000Research, 2013, 2, 100.	1.6	9
33897	Positron Annihilation in Carbon Nanotubes Studied by Coincidence Doppler Broadening Spectroscopy. Acta Physica Polonica A, 2008, 113, 1479-1484.	0.5	4
33898	An ab initio Study of a Model of Single Wall GaN Nanotubes with Oxygen and Zinc as Impurities: Structural and Electronic Properties. Acta Physica Polonica A, 2008, 113, 713-722.	0.5	7
33899	Dispersive Micro Raman Backscattering Spectroscopy Investigation of Arc Discharge Synthesized CNTs Doped by Boron and Nitrogen. Acta Physica Polonica A, 2009, 116, 217-220.	0.5	7
33900	Resonance Raman Study on Carbon Nanotubes Formation. Acta Physica Polonica A, 2009, 116, 93-95.	0.5	2
33901	Construction and Characterisation of Double Layer Capacitors. Acta Physica Polonica A, 2010, 117, 228-233.	0.5	9
33902	Angular Distribution of N-Doped Carbon Nanotubes in Alumina Membrane Channels: A High-Energy X-ray Diffraction Study. Acta Physica Polonica A, 2010, 117, 302-306.	0.5	1
33903	Vibrational Analysis of Initially Stressed Carbon Nanotubes. Acta Physica Polonica A, 2011, 119, 778-782.	0.5	6
33904	Preparation of Carbon Nanomaterials over Ni/ZSM-5 Catalyst Using Simplex Method Algorithm. Acta Physica Polonica A, 2016, 129, 153-157.	0.5	7
33905	Functionalization and Characterization of MWCNT Produced by Different Methods. Acta Physica Polonica A, 2016, 129, 405-408.	0.5	23
33906	Phase Analysis of Magnetic Inclusions in Nanomaterials Based on Multiwall Carbon Nanotubes. Acta Physica Polonica A, 2017, 131, 863-865.	0.5	1
33907	Multinanosensors Based on MWCNTs and Biopolymer Matrix - Production and Characterization. Acta Physica Polonica A, 2017, 132, 1251-1255.	0.5	4
33908	Improved Performance of Ultra-Fast Carbon Nanotube Film Heaters. Journal of Automation and Control Engineering, 2014, 2, 150-153.	0.3	4
33909	Molecular Dynamics Study of Carbon Nanotube/Epoxy Interfaces Using ReaxFF. , 0, , .		2

#	ARTICLE	IF	CITATIONS
33910	Zastosowanie nanotechnologii w ochronie przeciwpożarowej. Safety & Fire Technology, 2016, , 95-102.	0.5	2
33911	Carbon Nanotubes/Polymer Composite Honeycomb Structure Film. Kobunshi Ronbunshu, 2013, 70, 55-62.	0.2	1
33912	Synthesis and Characterization of Polystyrene Composites with Oxidized and Ethylbenzene Functionalized Multiwall Carbon Nanotubes. Journal of Composites and Biodegradable Polymers, 2013, 1, 23-33.	0.3	3
33913	Thermal buckling properties of zigzag single-walled carbon nanotubes using a refined nonlocal model. Advances in Materials Research (South Korea), 2014, 3, 77-89.	0.6	5
33914	Carbon nanotube antennas analysis and applications: review. Advances in Nano Research, 2013, 1, 13-27.	0.9	7
33915	Nonlinear vibration properties of a zigzag single-walled carbon nanotube embedded in a polymer matrix. Advances in Nano Research, 2015, 3, 29-37.	0.9	70
33916	Critical buckling load of chiral double-walled carbon nanotube using non-local theory elasticity. Advances in Nano Research, 2015, 3, 193-206.	0.9	16
33917	Free vibration analysis of chiral double-walled carbon nanotube using non-local elasticity theory. Advances in Nano Research, 2016, 4, 31-44.	0.9	19
33918	Analytical solution for nonlocal buckling characteristics of higher-order inhomogeneous nanosize beams embedded in elastic medium. Advances in Nano Research, 2016, 4, 229-249.	0.9	6
33919	Forced vibration of nanorods using nonlocal elasticity. Advances in Nano Research, 2016, 4, 265-279.	0.9	22
33920	Buckling temperature of a single-walled boron nitride nanotubes using a novel nonlocal beam model. Advances in Nano Research, 2017, 5, 1-12.	0.9	12
33921	Influence of the microstructure on effective mechanical properties of carbon nanotube composites. Coupled Systems Mechanics, 2017, 6, 1-15.	0.4	2
33922	Buckling characteristics of multiwalled carbon nanotubes under external pressure. Interaction and Multiscale Mechanics, 2009, 2, 209-222.	0.4	10
33923	Forced vibration of an embedded single-walled carbon nanotube traversed by a moving load using nonlocal Timoshenko beam theory. Steel and Composite Structures, 2011, 11, 59-76.	1.3	68
33924	Nonlinear cylindrical bending of functionally graded carbon nanotube-reinforced composite plates. Steel and Composite Structures, 2012, 12, 491-504.	1.3	27
33925	The effect of MWCNTs on the mechanical properties of woven Kevlar/epoxy composites. Steel and Composite Structures, 2014, 17, 825-834.	1.3	29
33926	Elastic properties of CNT- and graphene-reinforced nanocomposites using RVE. Steel and Composite Structures, 2016, 21, 1085-1103.	1.3	16
33927	Dynamic analysis of functionally graded nanocomposite plates reinforced by wavy carbon nanotube. Steel and Composite Structures, 2016, 22, 277-299.	1.3	14

#	ARTICLE	IF	CITATIONS
33928	Bending, buckling and vibration analyses of nonhomogeneous nanotubes using GDQ and nonlocal elasticity theory. Structural Engineering and Mechanics, 2009, 33, 193-213.	1.0	48
33929	A wireless impedance analyzer for automated tomographic mapping of a nanoengineered sensing skin. Smart Structures and Systems, 2011, 8, 139-155.	1.9	23
33930	DNA-functionalized single-walled carbon nanotube-based sensor array for gas monitoring. Smart Structures and Systems, 2013, 12, 73-95.	1.9	6
33931	Mechanical properties and deformation behavior of carbon nanotubes calculated by a molecular mechanics approach. Smart Structures and Systems, 2014, 13, 685-709.	1.9	11
33933	Current trends in Nanotechnology applications in surgical specialties and orthopedic surgery. Biomedical and Pharmacology Journal, 2019, 12, 1095-1127.	0.5	20
33934	The Linear and Nonlinear Bending Analyses of Functionally Graded Carbon Nanotube-Reinforced Composite Plates Based on the Novel Four-Node Quadrilateral Element. European Journal of Computational Mechanics, 0, , .	0.0	2
33935	Synthesis of Carbon-Encapsulated Metal Nanoparticles from Wood Char. Forest Products Journal, 2010, 60, 527-533.	0.4	14
33936	Thermal Conversion of Pine Wood Char to Carbon Nanomaterials in the Presence of Iron Nanoparticles. Forest Products Journal, 2012, 62, 462-466.	0.4	5
33937	Effect of Temperature and Flow Rate of Carbon Sources of Multiwalled Carbon Nanotubes Synthesized Using Natural Precursor by Spray Pyrolysis. Journal of Environmental Nanotechnology, 2012, 1, 28-31.	0.3	5
33938	Response Surface Methodology for Optimizing Process Parameters for Synthesis of Carbon Nanotubes. Journal of Environmental Nanotechnology, 2012, 1, 40-45.	0.3	9
33939	Morphology and Structural Studies of Multi-walled Carbon Nanotubes by Spray Pyrolysis using Madhuca Longifolia Oil. Journal of Environmental Nanotechnology, 2013, 2, 15-20.	0.3	3
33940	THE ROLE OF UREA ON THE HYDROTHERMAL SYNTHESIS OF BOEHMITE NANOARCHITECTURES. Ceramics - Silikaty, 2016, , 162-168.	0.3	12
33941	Influence of Carbon Nanotubes Dispersion on Thermal Properties of Copper-Carbon Nanotubes (CNTs) Composite Materials. Universal Journal of Materials Science, 2015, 3, 55-61.	0.3	3
33942	High harmonic generation in armchair carbon nanotubes. Optics Express, 2020, 28, 19760.	3.4	7
33943	Two-photon saturable absorption properties and laser Q-switch application of carbon quantum dots. Optics Letters, 2017, 42, 3972.	3.3	16
33944	Silver nanowires with different concentration for Q-switched fiber lasers. Optical Materials Express, 2020, 10, 187.	3.0	14
33945	Proteomic Analysis of Cellular Response Induced by Multi-Walled Carbon Nanotubes Exposure in A549 Cells. PLoS ONE, 2014, 9, e84974.	2.5	39
33946	Drosophila Embryos as Model to Assess Cellular and Developmental Toxicity of Multi-Walled Carbon Nanotubes (MWCNT) in Living Organisms. PLoS ONE, 2014, 9, e88681.	2.5	26

#	ARTICLE	IF	CITATIONS
33947	The Effect of DNA-Dispersed Single-Walled Carbon Nanotubes on the Polymerase Chain Reaction. PLoS ONE, 2014, 9, e94117.	2.5	25
33948	Fabrication of an Electrochemical Sensor Based on Gold Nanoparticles/Carbon Nanotubes as Nanocomposite Materials: Determination of Myricetin in Some Drinks. PLoS ONE, 2014, 9, e96686.	2.5	29
33949	Carbon Nanotubes Filled with Different Ferromagnetic Alloys Affect the Growth and Development of Rice Seedlings by Changing the C:N Ratio and Plant Hormones Concentrations. PLoS ONE, 2016, 11, e0157264.	2.5	104
33950	Synthesis of irregular graphene oxide tubes using green chemistry and their potential use as reinforcement materials for biomedical applications. PLoS ONE, 2017, 12, e0185235.	2.5	33
33951	Creation of conjugated polymer nanowires through controlled chain polymerization. E-Journal of Surface Science and Nanotechnology, 2004, 2, 99-105.	0.4	6
33952	Theoretical Simulation of Atomic-Scale Peeling of Single-Walled Carbon Nanotube from Graphite Surface. E-Journal of Surface Science and Nanotechnology, 2006, 4, 133-137.	0.4	20
33953	Carbon-nanopillar tubulization caused by liquidlike iron catalyst nanoparticles. E-Journal of Surface Science and Nanotechnology, 2006, 4, 401-405.	0.4	2
33954	Dual Role of Purification and Functionalisation of Single Walled CNT by Electron Cyclotron Resonance (ECR) Nitrogen Plasma. E-Journal of Surface Science and Nanotechnology, 2009, 7, 337-340.	0.4	3
33955	Chemical State Analysis of Si-Doped CNT on SiC by Hard X-Ray Photoelectron Spectroscopy. E-Journal of Surface Science and Nanotechnology, 2011, 9, 54-57.	0.4	2
33956	Effect of Inrush Current on Carbon Nanotube Synthesis from Xylene by Liquid-Phase Pulsed Arc Method Using Copper Electrodes. E-Journal of Surface Science and Nanotechnology, 2013, 11, 8-12.	0.4	3
33957	Structures and Properties of Atoms and Molecules Confined in Nanospaces. Structures and Properties of Atoms and Molecules Confined in Nanoporous Spaces.. Hyomen Kagaku, 2000, 21, 2-9.	0.0	1
33958	Competitive Surface Growth of Carbon Nanowires and Graphite (0001) Terraces on a C-doped Ni(111) Substrate. Hyomen Kagaku, 2003, 24, 531-537.	0.0	2
33959	Inhibition of SARS-CoV-2 Replication by Acidizing and RNA Lyase-Modified Carbon Nanotubes Combined with Photodynamic Thermal Effect. Journal of Exploratory Research in Pharmacology, 2020, 000, 1-6.	0.4	12
33961	Electromagnetic Characteristics of Cement Matrix Materials with Carbon Nanotubes. ACI Materials Journal, 2012, 109, .	0.2	3
33962	Gigas Growth of Carbon Nanotubes. Defence Science Journal, 2008, 58, 496-503.	0.8	26
33963	Carbon Nanotubes: Detection of Chemical and Biological Warfare Agents. Defence Science Journal, 2008, 58, 617-625.	0.8	14
33964	Carbon Nanotube-based Cold Cathode for High Power Microwave Vacuum Electronic Devices: A Potential Field Emitter. Defence Science Journal, 2008, 58, 650-654.	0.8	4
33965	Carbon Nanotube—Purification and Sorting Protocols. Defence Science Journal, 2008, 58, 591-599.	0.8	20

#	ARTICLE	IF	CITATIONS
33966	Defence Applications of Polymer Nanocomposites. Defence Science Journal, 2010, 60, 551-563.	0.8	127
33967	Mathematical Modelling of Rotating Single-walled Carbon Nanotubes used in Nanoscale Rotational Actuators. Defence Science Journal, 2011, 61, 317-324.	0.8	19
33968	Preparation, Characterisation and Photocatalytic Applications of TiO ₂ -MWCNTs Composite. Defence Science Journal, 2013, 63, 435-441.	0.8	16
33969	Highly Sensitive NO ₂ Detection and DMP Sensing at Room Temperature using Flexible SWNT Thick Film Sensor. Defence Science Journal, 2016, 66, 413.	0.8	3
33970	Continuum Models of Carbon Nanotube-Based Composites Using the Boundary Element Method. Electronic Journal of Boundary Elements, 2007, 1, .	0.3	20
33971	Experiments of Creating Carbon Nanomaterials in Low Temperature Liquid. Transactions of the Materials Research Society of Japan, 2007, 32, 167-170.	0.2	3
33972	Room-temperature Synthesis and Characterization of Ni-included Carbon Nanofibers. Transactions of the Materials Research Society of Japan, 2008, 33, 1023-1026.	0.2	1
33973	Improvement of Growth Yield of Multi-Walled Carbon Nanocoils by Mesoporous Materials and Sn Amount. Transactions of the Materials Research Society of Japan, 2011, 36, 469-473.	0.2	2
33974	Development of CNT-Si₃N₄ Composites with High Strength and Electrical Conductivity by Adding HfO₂. Transactions of the Materials Research Society of Japan, 2012, 37, 11-14.	0.2	4
33975	Magnetron Sputtering Deposition of Additional Ni Thin Films on the Fe/Al Multi-layered Catalyst Film for the Growth Control of Carbon Nanotubes. Transactions of the Materials Research Society of Japan, 2012, 37, 511-514.	0.2	4
33976	A novel high-performance and reliable multi-threshold CNFET full adder cell design. International Journal of High Performance Systems Architecture, 2017, 7, 15.	0.3	2
33977	Storage of Hydrogen in Activated Carbons and Carbon Nanotubes. Advances in Materials Science, 2018, 18, 5-16.	1.0	14
33978	Microscopic And Spectroscopic Research Of The MWCNTs-Re Nanocomposites. Archives of Metallurgy and Materials, 2015, 60, 2047-2052.	0.6	2
33979	Synthesis, characterization, and electrochemical properties of carbon nanotubes used as cathode materials for Al-air batteries from a renewable source of water hyacinth. Green Processing and Synthesis, 2020, 9, 340-348.	3.4	15
33980	Effect of Catalyst Film Thickness on Growth Morphology, Surface Wettability and Drag Reduction Property of Carbon Nanotubes. High Temperature Materials and Processes, 2016, 35, 857-863.	1.4	2
33981	Recent investigations on nonlinear absorption properties of carbon nanotubes. Nanophotonics, 2020, 9, 761-781.	6.0	25
33982	Dynamics of carbon nanotube-based mode-locking fiber lasers. Nanophotonics, 2020, 9, 2731-2761.	6.0	36
33983	Stabilizing effect of methylcellulose on the dispersion of multi-walled carbon nanotubes in cementitious composites. Nanotechnology Reviews, 2020, 9, 93-104.	5.8	6

#	ARTICLE	IF	CITATIONS
33984	A review on the properties, reinforcing effects, and commercialization of nanomaterials for cement-based materials. <i>Nanotechnology Reviews</i> , 2020, 9, 303-322.	5.8	74
33985	Analysis of functionally graded carbon nanotube-reinforced composite structures: A review. <i>Nanotechnology Reviews</i> , 2020, 9, 1408-1426.	5.8	27
33986	Vibrational analysis of an irregular single-walled carbon nanotube incorporating initial stress effects. <i>Nanotechnology Reviews</i> , 2020, 9, 1481-1490.	5.8	8
33987	The measure of irregularities of nanosheets. <i>Open Physics</i> , 2020, 18, 419-431.	1.7	5
33988	Chloride-induced corrosion behavior of reinforced cement mortar with MWCNTs. <i>Science and Engineering of Composite Materials</i> , 2020, 27, 281-289.	1.4	5
33989	Nanotechnology – An Introduction for the Standards Community. <i>Journal of ASTM International</i> , 2005, 2, 13110.	0.2	49
33990	Evaluation of High Temperature Rheological Characteristics of Asphalt Binder with Carbon Nano Particles. <i>Journal of Testing and Evaluation</i> , 2011, 39, 583-591.	0.7	16
33991	Sensing Properties of Carbon Nanotube – Carbon Fiber/Cement Nanocomposites. <i>Journal of Testing and Evaluation</i> , 2012, 40, 20120092.	0.7	35
33992	Effects of Carbon Nanotube-Carbon Fiber Cementitious Conductive Anode for Cathodic Protection of Reinforced Concrete. <i>Journal of Testing and Evaluation</i> , 2017, 45, 1777-1786.	0.7	9
33993	Enhancement of Impact Properties by Using Multiwall Carbon Nanotubes as Secondary Reinforcement in Glass/Epoxy Laminates. <i>Journal of Testing and Evaluation</i> , 2020, 48, 1055-1070.	0.7	3
33994	Lignin-Based Carbon Nanomaterials – The Future Scope. <i>Materials Performance and Characterization</i> , 2019, 8, 20180153.	0.3	4
33995	Fibres and fabrics for protective textiles. , 2005, , 117-150.		2
33996	Nanofabrication. , 2006, , 303-330.		6
33997	Fiber-Based Electrical and Optical Devices and Systems. <i>Textile Progress</i> , 2005, 36, 1-84.	2.0	6
33998	The Energy Absorption Capability of Composite Materials and Structures: Influence of Impact Loading. <i>Journal of Modern Mechanical Engineering and Technology</i> , 0, 5, 32-46.	0.2	4
33999	Dimethyl formamide as Dispersing Agent for Electrophoretically Deposited of Multi-Walled Carbon Nanotubes. <i>International Journal of Petrochemical Science & Engineering</i> , 2016, 1, .	0.2	6
34000	Nanomaterials for Sensing Applications. <i>Journal of Nanomedicine Research</i> , 2016, 3, .	1.8	7
34001	An Overview on Carbon Nanotubes. <i>MOJ Bioequivalence & Bioavailability</i> , 2017, 3, .	0.1	7

#	ARTICLE	IF	CITATIONS
34002	Expanded Graphite and Its Composites. , 2019, , .		3
34003	Composite nanostructure of vertically aligned carbon nanotube array and planar graphite layer obtained by the injection CVD method. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2010, 13, 137-141.	1.0	16
34004	Lattice of superconducting multilayer nanotubes as ideal high-temperature superconductor. Semiconductor Physics, Quantum Electronics and Optoelectronics, 2000, 3, 550-553.	1.0	2
34005	Graphene Systems: Methods of Fabrication and Treatment, Structure Formation, and Functional Properties. Progress in Physics of Metals, 2010, 11, 95-138.	1.5	13
34006	The Analysis of Competitive Methods of Improvement of Operational Properties of Functional Layers of Flat Heating Elements. Progress in Physics of Metals, 2016, 17, 29-51.	1.5	14
34007	Effect of Carbon Nanotubes on Mechanochemical Synthesis of d-Metal Carbide Nanopowders and Nanocomposites. Progress in Physics of Metals, 2019, 20, 5-51.	1.5	12
34008	Structure and Electrochemical Properties of Aqueous Suspensions of Functionalized Single- and Multiwalled Carbon Nanotubes. Ukrainian Journal of Physics, 2014, 59, 433-438.	0.2	3
34009	Dispersion of Relatively Long Multi-walled Carbon Nanotubes in Water using Ozone Generated by Dielectric Barrier Discharge. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 180-185.	0.2	2
34010	Atomic Level Characterization of Nanocarbon Materials by HR-TEM. Journal of the Institute of Electrical Engineers of Japan, 2007, 127, 336-339.	0.0	1
34011	High Resolution CNT-FED and Improvement in Field-Emission Characteristics. IEEJ Transactions on Sensors and Micromachines, 2007, 127, 170-176.	0.1	3
34012	Elemental Analysis of Nanomaterial Using Photon-Atom Interaction Based EDXRF Technique. Journal of Nuclear Physics Material Sciences Radiation and Applications, 2013, 1, 61-70.	0.2	1
34013	Electronic Structures and Optoelectronic Properties of C/Ge-doped Silicon Nanotubes. Wujii Cailiao Xuebao/Journal of Inorganic Materials, 2015, 30, 233.	1.3	3
34014	Carbon-Nanotube Engineering for Probes and Tweezers Operating in Scanning Probe Microscope. Materials Research Society Symposia Proceedings, 2003, 772, 841.	0.1	2
34015	Catalytic Growth of Semiconducting ZnO Nanowires by Reactive Evaporation Process. Materials Research Society Symposia Proceedings, 2003, 776, 7101.	0.1	2
34016	Flexural vibration of coupled double-walled Carbon nanotubes conveying fluid under thermo-magnetic fields based on strain gradient theory. Journal of Theoretical and Applied Mechanics, 0, , 947.	0.5	10
34017	Nonlocal analysis of single and double-layered graphene cylindrical panels and nano-tubes under internal and external pressures considering thermal effects. Journal of Theoretical and Applied Mechanics, 0, , 883.	0.5	3
34018	Investigation of Doping Effects on Electronic Properties of Two Probe Carbon Nanotube System: A Computational Comparative Study. International Journal of Innovative Research in Science, Engineering and Technology, 2014, 03, 17395-17402.	0.4	8
34019	Nanotechnology Commercialization: Prospects in India. Journal of Materials Science and Nanotechnology, 2014, 1, .	0.2	4

#	ARTICLE	IF	CITATIONS
34020	Aligned Carbon Nanotube Formation via Radio-Frequency Magnetron Plasma Chemical Vapor Deposition. Journal of Plasma and Fusion Research, 2005, 81, 653-659.	0.4	4
34021	Low-Temperature Fabrication of Ion-Induced Ge Nanostructures: Effect of Simultaneous Al Supply. IEICE Transactions on Electronics, 2009, E92-C, 1417-1420.	0.6	3
34022	Influence of Catalyst Preparation on Synthesis of Multi-Walled Carbon Nanotubes. IEICE Transactions on Electronics, 2009, E92-C, 1421-1426.	0.6	3
34023	Propriedades mec�nicas, tribol�gicas e t�rmicas de nanocomp�sitos de PLLA com nanotubos de carbono de paredes m�ltiplas. Polimeros, 2014, 24, 514-520.	0.7	2
34024	CATALYST PREPARATION METHODS TO REDUCE CONTAMINANTS IN A HIGH-YIELD PURIFICATION PROCESS OF MULTIWALLED CARBON NANOTUBES. Brazilian Journal of Chemical Engineering, 2019, 36, 1587-1600.	1.3	7
34025	Large amplitude free vibration of micro/nano beams based on nonlocal thermal elasticity theory. Latin American Journal of Solids and Structures, 2015, 12, 1918-1933.	1.0	9
34026	Longitudinal, Transverse, and Torsional Free Vibrational and Mechanical Behavior of Silicon Nanotubes Using an Atomistic Model. Materials Research, 2020, 23, .	1.3	15
34027	How can encapsulated C60 fullerenes escape from a carbon nanotube?: A molecular dynamics simulation answer. Brazilian Journal of Physics, 2008, 38, 70-73.	1.4	4
34028	Electrical conductivity and thermal properties of functionalized carbon nanotubes/polyurethane composites. Polimeros, 2012, 22, 117-124.	0.7	40
34029	A review on nanofluids - part II: experiments and applications. Brazilian Journal of Chemical Engineering, 2008, 25, 631-648.	1.3	378
34030	Exact solution for thermo-mechanical vibration of orthotropic mono-layer graphene sheet embedded in an elastic medium. Latin American Journal of Solids and Structures, 2014, 11, 437-458.	1.0	33
34031	Thermo-mechanical vibration analysis of annular and circular graphene sheet embedded in an elastic medium. Latin American Journal of Solids and Structures, 2014, 11, 659-682.	1.0	33
34032	MEASUREMENTS OF RADIATIVE PROPERTIES OF ENGINEERED MICRO-/NANOSTRUCTURES. Annual Review of Heat Transfer, 2013, 16, 345-396.	1.0	15
34033	Challenges in the Use of Carbon Nanotubes for Biomedical Applications. Critical Reviews in Therapeutic Drug Carrier Systems, 2008, 25, 169-206.	2.2	68
34034	METALLIZED CARBON NANOTUBES. International Journal of Energetic Materials and Chemical Propulsion, 2009, 8, 281-289.	0.3	3
34035	NONLINEAR MULTISCALE HOMOGENIZATION OF CARBON NANOTUBE REINFORCED COMPOSITES WITH INTERFACIAL SLIPPAGE. International Journal for Multiscale Computational Engineering, 2014, 12, 271-289.	1.2	10
34036	ELECTRO-THERMO-MECHANICAL VIBRATION ANALYSIS OF EMBEDDED SINGLE-WALLED BORON NITRIDE NANOTUBES BASED ON NONLOCAL THIRD-ORDER BEAM THEORY. International Journal for Multiscale Computational Engineering, 2015, 13, 443-461.	1.2	8
34037	The Stability and Mechanical Properties of Boron Nanotubes Explored through Density Functional Calculations. International Journal for Multiscale Computational Engineering, 2010, 8, 245-250.	1.2	2

#	ARTICLE	IF	CITATIONS
34038	Extensional Flow of Carbon Nanotube Dispersion and Its Influence on Electrical Conductivity. Nihon Reoroji Gakkaishi, 2012, 40, 101-109.	1.0	6
34039	The synthesis of carbon nanomaterials using chlorinated hydrocarbons over a Fe-Co/CaCO ₃ catalyst. South African Journal of Chemistry, 2016, 69, .	0.6	16
34040	Production and Identification of Vanadium Oxide Nanotubes. Indian Journal of Science and Technology, 2015, 8, 455.	0.7	42
34041	Redistribution of Mg and Ni cations in crystal lattice of conical nanotube with chrysotile structure. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 620-627.	0.4	10
34043	Carbon Nanotube Spectrally Selective Solar Absorbers. , 2015, , .		2
34044	THERMO-FLUIDIC PARAMETERS EFFECTS ON NONLINEAR VIBRATION OF FLUID-CONVEYING NANOTUBE RESTING ON ELASTIC FOUNDATIONS USING HOMOTOPY PERTURBATION METHOD. Journal of Thermal Engineering, 2018, 4, 2211-2233.	1.6	8
34045	Synthesis of Carbon Nanomaterials in Flames. Eurasian Chemico-Technological Journal, 2015, 13, 5.	0.6	3
34046	Non-Graphitizing Carbon: Its Structure and Formation from Organic Precursors. Eurasian Chemico-Technological Journal, 2019, 21, 227.	0.6	9
34047	DEVELOPMENT OF LABEL-FREE BIOSENSOR FOR DETECTING STEROID HORMONE CONCENTRATION IN FISH. KnE Life Sciences, 2015, 2, 212.	0.1	3
34048	Study of molten Li₂Co₃ electrolysis as a method for production of carbon nanotubes. Macedonian Journal of Chemistry and Chemical Engineering, 2013, 28, 111.	0.6	6
34049	The role of conductive dopants in polymer cholesteric liquid crystals. Macedonian Journal of Chemistry and Chemical Engineering, 2014, 33, 287.	0.6	2
34050	About definition of the elasticity module of single-walled carbon nanotubes by methods of structural mechanics. Mechanics and Advanced Technologies, 2019, 85, 13-25.	0.1	1
34051	Calibration of Carbon Nanotube Probes for Pico-Newton Order Force Measurement Inside a Scanning Electron Microscope. Journal of Robotics and Mechatronics, 2004, 16, 155-162.	1.0	10
34052	Field Emission of Individual Carbon Nanotubes and its Improvement by Decoration with Ruthenium Dioxide Super-Nanoparticles. Journal of Robotics and Mechatronics, 2005, 17, 475-482.	1.0	8
34053	Development of Novel Nanopipette with a Lipid Nanotube as Nanochannel. Journal of Robotics and Mechatronics, 2007, 19, 528-534.	1.0	31
34054	Determination of Metallic Elements in Carbon Nanotubes by Inductively Coupled Plasma-Optical Emission Spectrometry. Bunseki Kagaku, 2006, 55, 117-120.	0.2	8
34056	Nanorobot Movement: Challenges and Biologically inspired solutions. International Journal on Smart Sensing and Intelligent Systems, 2008, 1, 87-109.	0.7	34
34057	Carbon Nanotube Structure Vibration Based on Non-local Elasticity. Journal of Modern Materials, 2017, 3, 9-13.	0.4	8

#	ARTICLE	IF	CITATIONS
34058	ĐŠĐμŃ€Đ°Đ1/4Đ,Ń†ĐμŃĐ°Đ,Đ1 Đ°Đ3/4Đ1/4Đ;Đ3/4Đ·Đ,Ń, Đ1/2Đ° Đ3/4ŃĐ1/2Đ3/4Đ2Đμ ĐĐ,Đ3/4Đ°ŃĐ,ĐĐ° Ń†Đ,Ń€Đ°Đ3/4Đ,ĐĐ,Ń, Đ1Ń€Đ1/4Đ,Ń		
34059	Manufacturing and characterization of CNT based polymer composites. Mathematical Models in Engineering, 2017, 3, 89-97.	0.4	19
34062	Nanoparticles in Melanoma. Current Medicinal Chemistry, 2014, 21, 3701-3716.	2.4	7
34063	Advances in Carbon Based Nanomaterials for Bio-Medical Applications. Current Medicinal Chemistry, 2019, 26, 6851-6877.	2.4	82
34064	Graphene and Graphene-Based Materials in Biomedical Applications. Current Medicinal Chemistry, 2019, 26, 6834-6850.	2.4	22
34065	Nanoparticles in Combating Cancer: Opportunities and Limitations: A Brief Review. Current Medicinal Chemistry, 2020, 28, 346-359.	2.4	38
34066	Physical and Chemical Stimuli-Responsive Drug Delivery Systems: Targeted Delivery and Main Routes of Administration. Current Pharmaceutical Design, 2013, 19, 7169-7184.	1.9	50
34067	Aromaticity in Polyacenes and Their Structural Analogues. Current Organic Chemistry, 2013, 17, 2831-2844.	1.6	6
34068	Hierarchically Organized Nanocomposites Derived from Low-dimensional Nanomaterials for Efficient Removal of Organic Pollutants. Current Organic Chemistry, 2015, 19, 498-511.	1.6	7
34069	Unravelling Radicals Reactivity Towards Carbon Nanotubes Manipulation/Functionalization. Current Organic Chemistry, 2016, 20, 632-644.	1.6	3
34070	A Review of Theranostics Applications and Toxicities of Carbon Nanomaterials. Current Drug Metabolism, 2019, 20, 506-532.	1.2	30
34071	Recent Insights into Effective Nanomaterials and Biomacromolecules Conjugation in Advanced Drug Targeting. Current Pharmaceutical Biotechnology, 2019, 20, 526-541.	1.6	17
34072	Strategies Targeting DNA Topoisomerase I in Cancer Chemotherapy: Camptothecins, Nanocarriers for Camptothecins, Organic Non-Camptothecin Compounds and Metal Complexes. Current Drug Targets, 2016, 17, 1928-1939.	2.1	66
34073	Sol Gel Method Performed for Biomedical Products Implementation. Mini-Reviews in Medicinal Chemistry, 2010, 10, 990-1013.	2.4	22
34074	Biomedical Applications of Carbon Nanotubes: A Critical Review. Current Drug Delivery, 2016, 13, 796-817.	1.6	78
34075	Carbon Nanotubes: An Emerging Drug Delivery Carrier in Cancer Therapeutics. Current Drug Delivery, 2020, 17, 558-576.	1.6	31
34076	Revolutionary Impact of Nanodrug Delivery on Neuroscience. Current Neuropharmacology, 2012, 10, 370-392.	2.9	21
34077	Current Trend in the Application of Nanoparticles for Waste Water Treatment and Purification: A Review. Current Organic Synthesis, 2017, 14, 206-226.	1.3	37

#	ARTICLE	IF	CITATIONS
34078	Antibacterial Properties of Graphene Based Nanomaterials: An Emphasis on Molecular Mechanisms, Surface Engineering and Size of Sheets. Mini-Reviews in Organic Chemistry, 2019, 16, 159-172.	1.3	13
34079	Application of Functionalized Nanomaterials as Effective Adsorbents for the Removal of Heavy Metals from Wastewater: A Review. Current Analytical Chemistry, 2020, 17, 4-22.	1.2	17
34080	Detection of Human Immunoglobulin G at Physiological Conditions with Chemically Functionalized Carbon Nanotube Field Effect Transistors. Current Nanoscience, 2008, 4, 314-317.	1.2	10
34081	The Drift Response to a High-Electric-Field in Carbon Nanotubes. Current Nanoscience, 2010, 6, 492-495.	1.2	11
34082	Multifunctional Calcium Phosphate Nanostructured Materials and Biomedical Applications. Current Nanoscience, 2014, 10, 465-485.	1.2	51
34083	Carbon Nanotubes Characterization by X-ray Powder Diffraction – A Review. Current Nanoscience, 2014, 11, 23-35.	1.2	128
34084	Adsorption and Removal of Sudan I, II from Organic Solutions by Oxidized Multiwalled Carbon Nanotubes. Current Nanoscience, 2013, 9, 624-630.	1.2	4
34085	Electrodeposition of Iron-Group Alloys into Nanostructured Oxide Membranes: Synthetic Challenges and Properties. Current Nanoscience, 2018, 15, 84-99.	1.2	9
34086	Pharmacokinetic Aspects of Carbon Nanotubes: Improving Outcomes of Functionalization. Current Nanoscience, 2019, >15, 454-459.	1.2	9
34087	Investigation of Formaldehyde Adsorption on Carbon Nanotubes by Density Functional Theory. Current Nanoscience, 2020, 16, 846-850.	1.2	1
34088	Metal Phthalocyanines as Catalyst Precursors of Metallated Carbon Nanotubes. Recent Patents on Nanotechnology, 2019, 13, 129-138.	1.3	1
34089	Synthesis and Characterization of Polyhedral Graphite Particles. Open Materials Science Journal, 2008, 2, 19-22.	0.2	12
34090	Analysis of Functional Group Sited on Multi-Wall Carbon Nanotube Surface. Open Materials Science Journal, 2011, 5, 242-247.	0.2	159
34091	Clarology for Conjugated Carbon Nano-Structures: Molecules, Polymers, Graphene, Defected Graphene, Fractal Benzenoids, Fullerenes, Nano- Tubes, Nano-Cones, Nano-Tori, etc.. Open Organic Chemistry Journal, 2011, 5, 27-61.	0.9	26
34092	Expanded Carbon Lattices and Congener Hydrocarbons with directionally Inserted Triple Bonds. The Open Chemical Physics Journal, 2013, 5, 1-10.	0.7	1
34093	Adsorption and Ability to Carry Catalysts of Carbon Nanotubes for Destructing Dioxins. Recent Patents on Materials Science, 2009, 2, 226-231.	0.5	3
34094	Continuous Preconcentrator for Trace Gas Analysis. Recent Patents on Mechanical Engineering, 2010, 2, 214-227.	0.3	3
34095	Multifunctional Carbon Nanotube Film Composite for Structure Health Monitoring and Damping. Open Construction and Building Technology Journal, 2009, 3, 146-152.	0.7	3

#	ARTICLE	IF	CITATIONS
34096	Magnetic Properties of One- and Two-Dimensional Functional Materials: Oxygen Molecules Encapsulated in Single-Walled Carbon Nanotubes and Copper Ions Embedded into Phthalocyanine Sheets. Open Chemistry Journal, 2019, 6, 27-33.	4.3	3
34097	Clinical Relevance of Nanoparticle Induced Hyperthermia for Drug Delivery and Treatment of Abdominal Cancers. The Open Nanomedicine Journal, 2011, 3, 24-37.	1.6	14
34098	Adsorption and Reduction of Chromium(VI) from Aqueous Solution by Multiwalled Carbon Nanotubes. The Open Environmental Pollution & Toxicology Journal, 2009, 1, 66-73.	0.1	37
34099	Nanowire Joining Methods. The Open Surface Science Journal, 2010, 3, 91-104.	2.0	28
34100	Three-Dimensional Porous LiFePO ₄ : Design, Architectures and High Performance for Lithium Ion Batteries. Current Inorganic Chemistry, 2012, 2, 194-212.	0.2	39
34101	Carbon Nanotubes for Amplification of Electrochemical Signal in Drug and Food Analysis; A Mini Review. Current Biochemical Engineering, 2020, 6, 114-119.	1.3	21
34102	Advanced membrane materials for desalination: carbon nanotube and graphene. Materials Research Foundations, 2017, , 322-342.	0.3	2
34103	Synthesis of Single-Wall Carbon Nanotubes by Laser Vaporization and Its Dynamic Process.. The Review of Laser Engineering, 2000, 28, 342-347.	0.0	2
34104	Studying the technical effect of carbon nanotube on asphalt mixture with solid granulation. Journal of Civil Engineering and Structures, 2017, 1, 67-75.	0.0	5
34109	Field electron emission from a copper-based composite reinforced with carbon nanotubes. Letters on Materials, 2019, 9, 566-570.	0.7	4
34111	RF MEMS/NEMS resonators for wireless communication systems and adsorption-desorption phase noise. Facta Universitatis - Series Electronics and Energetics, 2015, 28, 345-381.	0.9	6
34112	Influence of different functionalization methods of multi-walled carbon nanotubes on the properties of poly(L-lactide) based nanocomposites. Hemijska Industrija, 2019, 73, 183-196.	0.7	5
34113	Recent development in electrolytic formation of carbon nanotubes in molten salts. Journal of Mining and Metallurgy, Section B: Metallurgy, 2003, 39, 309-342.	0.8	13
34114	Some aspects of the electrochemical formation of carbon micro-tubes from molten chlorides. Journal of Mining and Metallurgy, Section B: Metallurgy, 2003, 39, 343-352.	0.8	4
34115	Electrochemical study of the electrodeposition and intercalation of sodium into graphite from sodium chloride as the first step of carbon nano-tubes formation. Journal of Mining and Metallurgy, Section B: Metallurgy, 2003, 39, 369-381.	0.8	6
34116	Catalytic growth of carbon nanotubes with large inner diameters. Journal of the Serbian Chemical Society, 2005, 70, 277-282.	0.8	17
34117	Promotional effect of nitric acid treatment on co sensing properties of SnO ₂ /MWCNT nanocomposites. Processing and Application of Ceramics, 2016, 10, 97-105.	0.8	11
34118	Carbon nanomaterials: Biologically active fullerene derivatives. Srpski Arhiv Za Celokupno Lekarstvo, 2016, 144, 222-231.	0.2	23

#	ARTICLE	IF	CITATIONS
34119	Experimental study on density, thermal conductivity, specific heat, and viscosity of water-ethylene glycol mixture dispersed with carbon nanotubes. Thermal Science, 2017, 21, 255-265.	1.1	40
34120	Water-based squeezing flow in the presence of carbon nanotubes between two parallel disks. Thermal Science, 2016, 20, 1973-1981.	1.1	27
34121	The unsteady liquid film flow of the carbon nanotubes engine oil nanofluid over a non-linear radially extending surface. Thermal Science, 2020, 24, 951-963.	1.1	5
34122	A CARBON NANOTUBE-BASED RADIATION SENSOR. International Journal of Robotics and Automation, 2007, 22, .	0.1	4
34123	Synthesis, properties, functionalisation and applications of carbon nanotube: a state of the art review. Chemistry and Chemical Technology, 2010, 4, 35-45.	1.1	12
34124	ELECTROCHEMICAL PROPERTIES OF THE COMPOSITES SYNTHESIZED FROM POLYANILINE AND MODIFIED MWCNT. Chemistry and Chemical Technology, 2017, 11, 261-269.	1.1	3
34125	Longitudinal Vibration of CNTs Viscously Damped in Span. International Journal of Engineering and Applied Sciences, 2017, 9, 22-22.	0.1	10
34126	On the oscillatory frequency of the carbon nanotube-based nanothermometers. Scientia Iranica, 2017, 24, 1615-1625.	0.4	1
34127	On the vibration of postbuckled functionally graded carbon nanotube-reinforced composite annular plates. Scientia Iranica, 2019, .	0.4	4
34128	Finite Element Model and Size Dependent Stability Analysis of Boron Nitride and Silicon Carbide Nanowires/Nanotubes. Scientia Iranica, 2019, .	0.4	2
34129	HRTEM and Its Application to the Study of Reaction Mechanism in Polysomatic Reaction.. Journal of the Mineralogical Society of Japan, 1995, 24, 281-289.	0.2	1
34130	Molecular Dynamics Study of Thermal Conductivity of Single-Walled Carbon Nanotube with Stone-Wales Defects. Zairyo/Journal of the Society of Materials Science, Japan, 2006, 55, 754-759.	0.2	1
34131	Synthesization of CNTs on Pore Surfaces in C/C Composites and Effect of CNTs on Tribological Characteristics. Zairyo/Journal of the Society of Materials Science, Japan, 2014, 63, 356-361.	0.2	1
34132	Characterization of Carbon Nanofibers/ ZrO ₂ Ceramic Matrix Composite. Archives of Metallurgy and Materials, 2013, 58, 459-463.	0.6	5
34133	Structural and optical studies of TiO ₂ :Ag ₂ O nanocomposite by sol-gel method. Materials Science-Poland, 2020, 38, 263-270.	1.0	1
34134	Carbon Nanostructures Grown on Fe-Cr-Al Alloy. Journal of Electrical Engineering, 2010, 61, 373-377.	0.7	2
34135	Investigation of Carbon Nanotubes Using the F-Term Code of Japanese Patent Information. Data Science Journal, 2007, 6, S255-S260.	1.3	2
34136	Fibrous Carbons from Woody Biomass. Mokuzai Gakkai Shi, 2006, 52, 337-343.	0.2	7

#	ARTICLE	IF	CITATIONS
34137	æ”3/4é»»ăŠă•Ÿă@ăŸçŽă•ă°†æŸă±•æœ. Journal of the Japan Society for Precision Engineering, 2005pž1, 189-194.		
34138	Optimization of process parameters for electrophoretic deposition in CNTs/carbon fiber hybrid composites. , 2010, , .		1
34139	Fabrication and Thermal Evaluation of Carbon Nanotube/Aluminium composite by Spark Plasma Sintering Method. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2006, 53, 965-970.	0.2	15
34140	ELECTROMAGNETIC SCATTERING BY MULTI-WALL CARBON NANOTUBES. Progress in Electromagnetics Research B, 2009, 17, 49-67.	1.0	14
34141	Electrochemical determination of thiols at single-wall carbon nanotubes and PQQ modified electrodes. Frontiers in Bioscience - Landmark, 2005, 10, 931.	3.0	26
34142	Measurements of In-Plane Thermal Conductivity and Electrical Conductivity of Suspended Platinum Thin Film. Netsu Bussei, 2005, 19, 9-14.	0.1	6
34143	CARBON NANOTUBES COMPOSITE FOR ENVIRONMENTALLY FRIENDLY SENSING. Environmental Engineering and Management Journal, 2012, 11, 239-246.	0.6	11
34144	Nanotoxicology. , 2007, , 1-6.		3
34145	Synthesis and Characterization of Carbon Nanotubes Grown on Carbon Particles by Using High Vacuum Laser Ablation.. Shinku/Journal of the Vacuum Society of Japan, 2002, 45, 609-612.	0.2	6
34146	Growth of Carbon Nanostructure on a Graphite Substrate by Plasma-Enhanced Chemical Vapor Deposition. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 429-432.	0.2	1
34147	Synthesis of Disk-Like and Flower-Like ZnO Nanostructures by Sodium Dodecyl Sulfate-Assisted non-Basic Solution Process. Tenside, Surfactants, Detergents, 2011, 48, 206-209.	1.2	2
34148	Formation of Carbon Nano Onions by Thermo-Mechanical Processing of Graphite Powders. Materialpruefung/Materials Testing, 2014, 56, 241-244.	2.2	4
34149	Mechanical and Thermal Properties of a Cu-CNT Composite with Carbon Nanotubes Synthesized by CVD Process. Materialpruefung/Materials Testing, 2014, 56, 662-666.	2.2	10
34150	Microstructure and mechanical properties of nano-carbon reinforced Cu-based powder metallurgy friction materials produced by hot isostatic pressing. Materialpruefung/Materials Testing, 2018, 60, 809-817.	2.2	7
34151	Simulation of polycarbonate-CNT nanocomposite dosimeter based on electrical characteristics. Kerntechnik, 2016, 81, 647-650.	0.2	16
34152	Self-assembly of high-performance multi-tube carbon nanotube field-effect transistors by ac dielectrophoresis. International Journal of Materials Research, 2007, 98, 742-748.	0.3	12
34153	Synergistic effects of Na+-montmorillonite and multi-walled carbon nanotubes on mechanical properties of chitosan film. EXPRESS Polymer Letters, 2009, 3, 302-308.	2.1	29
34154	Temperature dependence of the electrical properties of the carbon nanotube/polymer composites. EXPRESS Polymer Letters, 2009, 3, 769-777.	2.1	85

#	ARTICLE	IF	CITATIONS
34155	Nanofibre-assisted alignment of carbon nanotubes in macroscopic polymer matrix via a scaffold-based method. EXPRESS Polymer Letters, 2010, 4, 47-53.	2.1	15
34156	Electroactive polyurea/CNT composite-based electrode for detection of vitamin C. EXPRESS Polymer Letters, 2016, 10, 450-461.	2.1	13
34157	Polyether from a biobased Janus molecule as surfactant for carbon nanotubes. EXPRESS Polymer Letters, 2016, 10, 548-558.	2.1	6
34158	Efficient surface modification of MWCNTs with vitamin B1 and production of poly(ester-imide)/MWCNTs nanocomposites containing L-phenylalanine moiety: Thermal and microscopic study. EXPRESS Polymer Letters, 2016, 10, 54-64.	2.1	9
34159	Disruption index depends on length of citation window. Profesional De La Informacion, 2019, 28, .	2.7	17
34160	Atomically Precise Titaniumâ€Oxo Nanotube with Selective Water Adsorption and Semiconductive Behaviors. CCS Chemistry, 2020, 2, 209-215.	7.8	14
34161	Asbestos and multi-walled carbon nanotubes generate distinct oxidative responses in inflammatory cells. Journal of Clinical Biochemistry and Nutrition, 2015, 56, 111-117.	1.4	31
34162	Nitrogenated Carbon Nanotubes Functionalized with Chlorine and Oxygen: Electronic and magnetic properties for electronic/magnetic device applications. , 0, 1, 1006.		5
34163	Simulation Analysis on Mechanical Property Characterization of Carbon Nanotubes Reinforced Epoxy Composites. CMES - Computer Modeling in Engineering and Sciences, 2020, 125, 145-171.	1.1	2
34165	Structural Modifications of Multi-walled Carbon Nanotubes of Different Diameters through Electron Beam Irradiation. Bangladesh Journal of Scientific and Industrial Research, 2011, 46, 9-16.	0.3	1
34166	Adhesion, Growth and Differentiation of Osteoblasts on Surface-Modified Materials Developed for Bone Implants. Physiological Research, 2011, 60, 403-417.	0.9	151
34181	A Short Review of One-Dimensional Wigner Crystallization. Crystals, 2021, 11, 20.	2.2	9
34182	The Investigation of Functionalization Role in Multi-Walled Carbon Nanotubes Dispersion by Surfactants. , 0, , .		4
34183	Organic Thin-Film Transistors as Gas Sensors: A Review. Materials, 2021, 14, 3.	2.9	29
34184	Effective Doping of Single-Walled Carbon Nanotubes with Polyethyleneimine. Materials, 2021, 14, 65.	2.9	11
34185	A Review of the Properties and CVD Synthesis of Coiled Carbon Nanotubes. Materials, 2010, 3, 2618-2642.	2.9	64
34186	Free Vibration Analysis of Carbon Nanotubes Based on Shear Deformable Beam Theory by Discrete Singular Convolution Technique. Mathematical and Computational Applications, 2010, 15, 57-65.	1.3	55
34187	Review on the Properties of Boron-Doped Diamond and One-Dimensional-Metal-Oxide Based P-N Heterojunction. Molecules, 2021, 26, 71.	3.8	13

#	ARTICLE	IF	CITATIONS
34188	A New Route to Enhance the Packing Density of Buckypaper for Superior Piezoresistive Sensor Characteristics. <i>Sensors</i> , 2020, 20, 2904.	3.8	9
34189	From Bio to Nano: A Review of Sustainable Methods of Synthesis of Carbon Nanotubes. <i>Sustainability</i> , 2020, 12, 4115.	3.2	28
34190	Non-Covalent Interactions of N-(4-CarboxyPhenyl)Phthalimide with CNTs. <i>Advanced Journal of Chemistry Section B</i> , 2020, 2, 39-45.	0.6	2
34191	Occupational Health and Safety: reflection on potential risks and the safety handling of nanomaterials. <i>Vigilância Sanitária Em Debate: Sociedade, Ciência & Tecnologia</i> , 2013, 1, .	0.1	1
34192	A Self-standing and Binder-free Electrodes Fabricated from Carbon Nanotubes and an Electrodeposited Current Collector Applied in Lithium-ion Batteries. <i>Journal of Electrochemical Science and Technology</i> , 2019, 10, 373-380.	2.2	4
34193	General Growth of Carbon Nanotubes for Cerium Redox Reactions in High-Efficiency Redox Flow Batteries. <i>Research</i> , 2019, 2019, 3616178.	5.7	6
34194	Fabrication of layer-by-layer graphene oxide thin film on copper substrate by electrophoretic deposition. <i>Japanese Journal of Applied Physics</i> , 2020, 59, 125001.	1.5	5
34195	Viscosity of nanofluids-A Review. <i>International Journal of Thermofluid Science and Technology</i> , 2020, 7, .	0.3	17
34196	MICROSTRUCTURES AND MECHANICAL PROPERTIES OF CNT/Al COMPOSITES FABRICATED BY HIGH ENERGY BALL-MILLING METHOD. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2013, 48, 882-888.	0.3	6
34197	Effects of Ni Coated Cordierite Catalyst on Flame Synthesis of Carbon Nanotubes. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2008, 23, 805-810.	1.3	1
34198	Polypyrrole Coated Carbon Nanotubes: Preparation, Characterization, and Gas-sensing Properties. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2011, 26, 961-968.	1.3	5
34199	Preparation and Gas Separation Properties of Carbon/Carbon Nanotubes Hybrid Membranes Derived from PMDA-ODA Polyimide. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2012, 27, 923-927.	1.3	2
34200	Raman Spectroscopy and Microwave Absorbing Properties of CNTs/Al ₂ O ₃ -TiO ₂ Composite Absorbing Coatings with Different Diameters. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2013, 28, 136-140.	1.3	2
34201	Amperometric <L>lactate Biosensor Based on Sol-Gel Film and Multi-walled Carbon Nanotubes/Platinum Nanoparticles Enhancement. <i>Chinese Journal of Analytical Chemistry</i> , 2010, 38, 57-61.	1.7	4
34202	MULTI-WALLED CARBON NANOTUBES MODIFIED BY POLY(VINYL PYRROLIDONE). <i>Acta Polymerica Sinica</i> , 2007, 007, 327-331.	0.0	10
34203	PREPARATION OF CARBON NANOMATERIALS WITH COPOLYMER OF ETHYLENE AND FERROCENYLFORMYLOXYETHYL ACRYLATE. <i>Acta Polymerica Sinica</i> , 2009, 009, 841-844.	0.0	3
34204	POLYMER-ASSISTED ALIGNMENT AND ASSEMBLY OF CARBON NANOTUBES. <i>Acta Polymerica Sinica</i> , 2010, 010, 131-142.	0.0	4
34205	PREPARATION OF CARBON NANOTUBES/POLYANILINE NANO-COMPOSITES BY ORGANIC CHEMISTRY INARCHING-ELECTROCHEMISTRY DEPOSITION POLYMERIZATION. <i>Acta Polymerica Sinica</i> , 2011, 011, 384-389.	0.0	3

#	ARTICLE	IF	CITATIONS
34206	EFFECT OF MULTIWALL CARBON NANOTUBES ON STRUCTURE AND PROPERTIES OF MELT-SPUN PPS FIBERS. Acta Polymerica Sinica, 2012, 012, 344-350.	0.0	5
34208	Design and application of carbon nanotube FETs. Journal of Electronic Measurement and Instrument, 2010, 24, 969-978.	0.1	2
34209	Structure, property and application of carbon nanotubes and carbon microtubes. Shenzhen Daxue Xuebao (Ligong Ban)/Journal of Shenzhen University Science and Engineering, 2013, 30, 1-11.	0.2	8
34210	A summary of studies in countries other than China on acupuncture in anesthesia and for postoperative complications. Zhong Xi Yi Jie He Xue Bao, 2009, 7, 797-799.	0.7	6
34211	Fabrication Techniques for Carbon Nanotube Field Emitters by Screen Printing. Korean Journal of Materials Research, 2002, 12, 499-507.	0.2	1
34212	Synthesis and Oxygen Reduction Reaction Characteristics of Multi-Walled Carbon Nanotubes Supported Pt _x M _(1-x) (M = Co, Cu, Ni) Alloy Catalysts for Polymer Electrolyte Membrane Fuel Cell. Korean Journal of Materials Research, 2009, 19, 667-673-667-673.	0.2	2
34213	Synthesis of Carbon Nanotubes Supported PtCo Electrocatalysts and Its Characterization for the Cathode Electrode of PEMFC. Korean Journal of Materials Research, 2009, 19, 233-239-233-239.	0.2	5
34214	Manufacturing/Material Property Characterization of Polymer Nano-composites with Chemically Functionalized Carbon Nanotubes. Transactions of the Korean Society of Mechanical Engineers, A, 2004, 28, 1534-1540.	0.2	2
34215	Molecular Dynamics Simulation for the Mechanical Properties of CNT/Polymer Nanocomposites. Transactions of the Korean Society of Mechanical Engineers, A, 2007, 31, 237-244.	0.2	1
34216	The Quantitative Characterization of the Dispersion State of Single-Walled Carbon Nanotubes. Transactions of the Korean Society of Mechanical Engineers, A, 2007, 31, 483-489.	0.2	2
34217	Effects of Strain-Induced Crystallization on Mechanical Properties of Elastomeric Composites Containing Carbon Nanotubes and Carbon Black. Transactions of the Korean Society of Mechanical Engineers, A, 2011, 35, 999-1005.	0.2	4
34218	Electrical and Mechanical Properties of Carbon Particle Reinforced Rubber for Electro-Active Polymer Electrode. Transactions of the Korean Society of Mechanical Engineers, A, 2013, 37, 1465-1471.	0.2	1
34219	Preparation and transport properties of oriented buckypapers with single walled carbon nanotubes. Modern Electronic Materials, 2019, 5, 21-26.	0.6	3
34220	Multifunctional Nanomaterials for Multifaceted Applications in Biomedical Arena. International Journal of Pharmacology, 2017, 13, 890-906.	0.3	12
34221	Thermal Behavior of Purified Multi Walled Carbon Nanotube. Journal of Applied Sciences, 2010, 10, 1978-1982.	0.3	13
34222	Immobilization of Chitosan onto Carbon Nanotubes for Lead Removal from Water. Journal of Applied Sciences, 2010, 10, 2705-2708.	0.3	15
34223	Characterization of Aligned MWCNTs Array as the Sensing Element for Ionization Gas Sensor. Journal of Applied Sciences, 2011, 11, 1243-1248.	0.3	4
34224	Synthesis and Characterization of ZnO-CNTs Filled PVA Composite as EM Detector. Journal of Applied Sciences, 2011, 11, 1303-1308.	0.3	14

#	ARTICLE	IF	CITATIONS
34225	Preparation of Electrochromic Material Using Carbon Nanotubes (CNTs). Journal of Applied Sciences, 2011, 11, 1321-1325.	0.3	7
34226	Effect of Different Parameters on the Morphology of Carbon Nanotubes Structures Grown by Floating Catalyst Method. Journal of Applied Sciences, 2011, 11, 2382-2387.	0.3	6
34227	Sensitive Voltammetric Determination of Atenolol at Multi-walled Carbon Nanotubes Modified Glassy Carbon Electrode. Research Journal of Nanoscience and Nanotechnology, 2011, 1, 75-86.	2.0	8
34228	Nanoparticles as Adsorbent; A Positive Approach for Removal of Noxious Metal Ions: A Review. Science Technology and Development, 2015, 34, 195-214.	0.3	127
34229	Surface modification of materials to encourage beneficial biofilm formation. AIMS Bioengineering, 2015, 2, 404-422.	1.1	30
34230	Tubular micro- and nanostructures of TCO materials grown by a vapor-solid method. AIMS Materials Science, 2016, 3, 434-447.	1.4	3
34231	An approach to modelling and simulation of single-walled carbon nanocones for sensing applications. AIMS Materials Science, 2017, 4, 1010-1028.	1.4	8
34232	Carbon nanotubes agglomeration in reinforced composites: A review. AIMS Materials Science, 2019, 6, 756-780.	1.4	89
34233	Metal oxide gas sensors decorated with carbon nanotubes. Lithuanian Journal of Physics, 2016, 55, .	0.4	17
34236	Selective Attachment of Gold Nanoparticles to Ionic Liquids Adsorbed Multiwalled Carbon Nanotubes. Journal of Fiber Bioengineering and Informatics, 2009, 2, 52-55.	0.2	2
34238	Application of Carbon Nanotubes in Nanomedicine. Advances in Chemical and Materials Engineering Book Series, 2015, , 90-128.	0.3	2
34239	Tribological Characteristics of Copper-Nano Carbon Crystalline Composites. Advances in Chemical and Materials Engineering Book Series, 2015, , 107-125.	0.3	1
34240	Carbon-Based Nanomaterials for Desulfurization. Advances in Chemical and Materials Engineering Book Series, 2016, , 154-179.	0.3	6
34241	Low Power Design Techniques. Advances in Computer and Electrical Engineering Book Series, 0, , 1-26.	0.3	1
34242	Nanotechnology Applications in the Construction Industry. Advances in Civil and Industrial Engineering Book Series, 2016, , 111-140.	0.2	1
34243	Graphene-Based Gas Sensor Theoretical Framework. Advances in Computer and Electrical Engineering Book Series, 2017, , 117-149.	0.3	1
34244	An Overview of Nanomaterials for Water Technology. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 1-12.	0.4	4
34245	Potential Applications of Nanomaterials in Wastewater Treatment. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 51-61.	0.4	27

#	ARTICLE	IF	CITATIONS
34246	Carbon Nanomaterials. Advances in Chemical and Materials Engineering Book Series, 2019, , 1-33.	0.3	2
34247	A Reduced-Order General Continuum Method for Dynamic Simulations of Carbon Nanotube. International Journal of Nanotechnology and Molecular Computation, 2010, 2, 1-24.	0.3	1
34249	Structural Modification of Carbon Nanotubes during Ball-milling. Journal of Korean Powder Metallurgy Institute, 2013, 20, 258-263.	0.3	2
34250	Synthesis of CNT on a Camphene Impregnated Titanium Porous Body by Thermal Chemical Vapor Deposition. Journal of Korean Powder Metallurgy Institute, 2015, 22, 122-128.	0.3	2
34251	Powder Sintering Characteristics of Carbon Nanotubes Reinforced SKD11 Tool Steel Sintered by Spark Plasma Sintering. Journal of Korean Powder Metallurgy Institute, 2015, 22, 157-162.	0.3	1
34252	Fabrication and Mechanical Characteristics of Bulk Nickel/Carbon Nanotube Nanocomposites via the Electrical Explosion of Wire in Liquid and Spark Plasma Sintering Method. Journal of Korean Powder Metallurgy Institute, 2016, 23, 213-220.	0.3	2
34253	The Effect of Diffusion Barrier and thin Film Deposition Temperature on Change of Carbon Nanotubes Length. Journal of Korean Powder Metallurgy Institute, 2017, 24, 248-253.	0.3	2
34254	The Synthesis and Photocatalytic activity of Carbon Nanotube-mixed TiO2 Nanotubes. Journal of Korean Powder Metallurgy Institute, 2017, 24, 279-284.	0.3	1
34255	Carbon Nanotubes: Application in Pharmaceuticals. Pharmaceutica Analytica Acta, 2012, 03, .	0.2	1
34256	Cytocompatibility and Mechanical Strength of Hydroxyapatite Reinforced with Multi-Walled Carbon Nanotubes. Journal of Bioengineering & Biomedical Science, 2012, 02, .	0.2	2
34257	Nanomedicine Current Trends in Diabetes Management. Journal of Nanomedicine & Nanotechnology, 2012, 03, .	1.1	14
34258	Carbon Nanotubes-Based Electrochemical Sensors and Drug Delivery Systems: Prospects and Challenges. Journal of Nanomedicine & Nanotechnology, 2012, 03, .	1.1	3
34259	Perspectives on Carbon Nanotube-Based Scaffolds in Nerve Tissue Engineering. Journal of Tissue Science & Engineering, 2012, 03, .	0.2	2
34260	Nanomaterials-Based Health Care and Bioanalytical Applications: Trend and Prospects. Journal of Nanomaterials & Molecular Nanotechnology, 2013, 02, .	0.1	4
34261	Single-Walled-Carbon-Nanotube-Based Field-Effect Transistors with Biosensing Functions for Prostate-Specific-Antigen. Journal of Bioequivalence & Bioavailability, 2011, 03, .	0.1	2
34262	Review on Micro- and Nanolithography Techniques and their Applications. Engineering Journal, 2012, 16, 37-56.	1.0	208
34263	Characterization of Single Wall Carbon Nanotubes and Activated Carbon with Water Adsorption in Finite-Length Pore Models. Engineering Journal, 2013, 17, 93-110.	1.0	2
34264	Molecular Dynamics Observation of Ironâ€“Carbon precursors of Carbon Nanotube and Development of Ironâ€“Carbon Potential. Engineering Journal, 2013, 17, 19-28.	1.0	4

#	ARTICLE	IF	CITATIONS
34265	Fabrication of Electrospun Titania Nanofiber. Journal of the Korean Ceramic Society, 2005, 42, 548-553.	2.3	7
34266	Synthesis and Characterization of One-Dimensional GaN Nanostructures Prepared via Halide Vapor-Phase Epitaxy. Journal of the Korean Ceramic Society, 2007, 44, 142-146.	2.3	2
34267	Structural Characteristic of One Dimensional Single Crystalline of InN Nanowires. Journal of the Korean Ceramic Society, 2007, 44, 202-207.	2.3	1
34268	Electrospun Calcium Metaphosphate Nanofibers: I. Fabrication. Journal of the Korean Ceramic Society, 2007, 44, 144-147.	2.3	3
34269	Development of CNT-dispersed Si ₃ N ₄ Ceramics by Adding Lower Temperature Sintering Aids. Journal of the Korean Ceramic Society, 2012, 49, 333-336.	2.3	2
34270	Carbon Nanotube Synthesis and Growth Using Zeolite by Catalytic CVD and Applications. Journal of the Korean Ceramic Society, 2013, 50, 1-17.	2.3	6
34271	Thermal Analysis of Multi-walled Carbon Nanotubes by Kissinger's Corrected Kinetic Equation. Aerosol and Air Quality Research, 2010, 10, 212-218.	2.1	72
34273	Modelling of the Usefulness of Carbon Nanotubes as Antiviral Compounds for Treating Alzheimer Disease. Advances in Alzheimer's Disease, 2018, 07, 79-92.	0.9	4
34274	Synthesis, Structural and Photophysical Properties of Gd ₂ O ₃ :Eu ₃₊ Nanostructures Prepared by a Microwave Sintering Process. Advances in Chemical Engineering and Science, 2014, 04, 374-388.	0.5	22
34275	Flame Atomic Absorption Spectrometric Determination of Trace Amounts of Zinc and Thallium in Different Matrixes after Solid Phase Extraction on Modified Multiwalled Carbon Nanotubes. American Journal of Analytical Chemistry, 2012, 03, 371-377.	0.9	6
34276	Carbon Nano Material Synthesis from Polyethylene by Chemical Vapour Deposition. Advances in Materials Physics and Chemistry, 2012, 02, 1-10.	0.7	16
34277	Ab Initio Study of Electronic Properties of a Armchair (7,7) Carbon Nanotube. Advances in Materials Physics and Chemistry, 2012, 02, 159-162.	0.7	9
34278	Ab Initio Study of the Electronic and Vibrational Properties of 1-nm-Diameter Single-Walled Nanotubes. Advances in Materials Physics and Chemistry, 2013, 03, 178-184.	0.7	6
34279	Synthesis of Hollow Nanoparticles Al ₂ O ₃ . Advances in Nanoparticles, 2013, 02, 120-124.	1.1	4
34280	Adsorption of Silver Nanoparticles from Aqueous Solution by Multiwalled Carbon Nanotubes. Advances in Nanoparticles, 2017, 06, 22-32.	1.0	8
34281	First-Principles Study of Electronic Structure and Optical Properties of Silicon/Carbon Nanotube. Computational Chemistry, 2017, 05, 159-171.	0.7	6
34282	Preparation of Mono-Dispersed Carbon Nanotubes (CNTs) with Dodecyl Itaconate and Its Utilization in Paper-Making. Engineering, 2011, 03, 50-54.	0.8	5
34283	Phonon Dispersion for Armchair and Zigzag Carbon Nanotubes. Graphene, 2014, 03, 14-19.	1.0	4

#	ARTICLE	IF	CITATIONS
34284	Hypersound Absorption of Acoustic Phonons in a Degenerate Carbon Nanotube. Graphene, 2015, 04, 62-74.	1.0	3
34285	Voltammetric Method Using Multi-Walled Carbon Nanotubes Modified Glassy Carbon Electrode for the Determination of Terbutaline Sulfate in Pork Sample. Journal of Analytical Sciences Methods and Instrumentation, 2013, 03, 75-79.	0.1	2
34286	Study of Photoinduced Interaction between Calf Thymus-DNA and Bovine Serum Albumin Protein with H ₂ Ti ₃ O ₇ Nanotubes. Journal of Biomaterials and Nanobiotechnology, 2012, 03, 462-468.	0.7	6
34287	Production of Carbon Nanotubes by Different Routes-A Review. Journal of Encapsulation and Adsorption Sciences, 2011, 01, 29-34.	0.3	101
34288	Magnetism of Co ₁₃ -Filled Carbon Nanotubes of Diverse Chiral Symmetry. Journal of Modern Physics, 2013, 04, 418-421.	0.6	3
34289	Theory of Seebeck Coefficient in Multi-Walled Carbon Nanotubes. Journal of Modern Physics, 2013, 04, 628-637.	0.6	4
34290	Spectroscopic Studies of Nanocomposites Based on PEO/PVDF Blend Loaded by SWCNTs. Journal of Modern Physics, 2015, 06, 414-424.	0.6	10
34291	High Capacity Hydrogen Storage in Ni Decorated Carbon Nanocone: A First-Principles Study. Journal of Quantum Information Science, 2015, 05, 134-149.	0.4	3
34292	Charge Transfer Properties in MEH-PPV/PS:MWCNTs Nanocomposites. Journal of Surface Engineered Materials and Advanced Technology, 2012, 02, 174-181.	0.2	3
34293	Effect of Monovacancy Defects on Adsorbing of CO, CO ₂ , NO and NO ₂ on Carbon Nanotubes: First Principle Calculations. Journal of Surface Engineered Materials and Advanced Technology, 2013, 03, 287-294.	0.2	8
34294	Microwave Plasma Enhanced Chemical Vapor Deposition of Carbon Nanotubes. Journal of Surface Engineered Materials and Advanced Technology, 2014, 04, 196-209.	0.2	4
34295	Synthesis of Carbon Nano Tubes on Silicon Substrates Using Alcohol Catalytic Chemical Vapor Deposition. Materials Sciences and Applications, 2011, 02, 922-935.	0.4	1
34296	Poly(Vinyl Alcohol)-Infiltrated Carbon Nanotube Carpets. Materials Sciences and Applications, 2012, 03, 658-663.	0.4	6
34297	Controlled Growth of Well-Aligned Carbon Nanotubes, Electrochemical Modification and Electrodeposition of Multiple Shapes of Gold Nanostructures. Materials Sciences and Applications, 2013, 04, 667-678.	0.4	7
34298	Study on NH ₃ Plasma-Treated Polyimide/MWNT Composites on Electrical and Surface Properties. Materials Sciences and Applications, 2014, 05, 54-58.	0.4	1
34299	Alignment of Vertically Grown Carbon Nanostructures Studied by X-Ray Absorption Spectroscopy. Materials Sciences and Applications, 2014, 05, 966-983.	0.4	6
34300	Curvature, Hybridization and Contamination of Carbon Nanostructures Analysis Using Electron Microscopy and XANES Spectroscopy. Materials Sciences and Applications, 2014, 05, 95-103.	0.4	2
34301	Theoretical Investigation of X-Ray Absorption near Edge Spectroscopy (XANES) Angular Dependence of Aligned Carbon Nanotubes Grown by DC HF CVD Process. Materials Sciences and Applications, 2015, 06, 373-390.	0.4	3

#	ARTICLE	IF	CITATIONS
34302	Microwave-Assisted Modification of Carbon Nanotubes with Biocompatible Polylactic Acid. Journal of Materials Science and Chemical Engineering, 2014, 02, 7-12.	0.4	2
34303	Molecular Dynamic Simulation Study on Glass Transition Temperature of DGEBA-THPA/SWCNTs Composites. Journal of Materials Science and Chemical Engineering, 2014, 02, 26-30.	0.4	5
34304	Synthesis, structural characterization and formation mechanism of giant-dielectric CaCu ₃ Ti ₄ O ₁₂ nanotubes. Natural Science, 2010, 02, 688-693.	0.4	5
34305	Fabrication of self-assembled monolayer using carbon nanotubes conjugated 1-aminoundecanethiol on gold substrates. Natural Science, 2011, 03, 208-217.	0.4	3
34306	Validation of Numerical Modeling for the Prediction of Elastic and Failure Behavior of Diamond Powder Filled Woven Composites. Open Journal of Composite Materials, 2017, 07, 63-84.	0.8	3
34307	Synthesis and Fabrication of Graphene and Graphene Oxide: A Review. Open Journal of Composite Materials, 2019, 09, 207-229.	0.8	106
34308	Preparation and Microwave Absorbing Characteristics of Multi-Walled Carbon Nanotube/Chiral-Polyaniline Composites. Open Journal of Polymer Chemistry, 2014, 04, 62-72.	3.3	14
34309	Determination of an Innovative Consistent Law for the Rheological Behavior of Polymer/Carbon Nanotubes Composites. Soft Nanoscience Letters, 2011, 01, 1-5.	0.8	20
34310	Synthesis of Luminescent CdTe Nanorods on Anodized Aluminum Oxide Template and Their Utility in Divalent Heavy Metal Ion Sensing. Soft Nanoscience Letters, 2014, 04, 69-74.	0.8	13
34311	Synthesis of Carbon Nanotubes from Byproducts of Oil Refiner. World Journal of Condensed Matter Physics, 2014, 04, 93-100.	0.2	7
34312	Enhancement of Elastic Modulus of Epoxy Resin with Carbon Nanotubes. World Journal of Nano Science and Engineering, 2011, 01, 1-6.	0.3	8
34313	Thermally Agitated Self Assembled Carbon Nanotubes and the Scenario of Extrinsic Defects. World Journal of Nano Science and Engineering, 2015, 05, 17-25.	0.3	4
34314	XPS Investigation and Field Emission Property of the Ar Plasma Processed Carbon Nanotube Films. Transactions on Electrical and Electronic Materials, 2008, 9, 52-56.	1.9	5
34315	Synthesis and Characterization of Graphene Based Unsaturated Polyester Resin Composites. Transactions on Electrical and Electronic Materials, 2013, 14, 53-58.	1.9	24
34316	Synthesis of Carbon Nanowalls by Microwave PECVD for Battery Electrode. Transactions on Electrical and Electronic Materials, 2015, 16, 198-200.	1.9	7
34317	Dispersion of Carbon-Nanotubes in a Polymer Matrix by a Twin-Screw Extruder II. Seikei-Kakou, 2005, 17, 50-54.	0.0	8
34318	Experimental Study on Improving Compressive Strength of MWCNT Reinforced Cementitious Composites. Journal of the Korea Concrete Institute, 2014, 26, 63-70.	0.2	10
34319	Flowability and Strength of Cement Composites with Different Dosages of Multi-Walled CNTs. Journal of the Korea Concrete Institute, 2016, 28, 67-74.	0.2	6

#	ARTICLE	IF	CITATIONS
34320	The Preparation of Flaky Layered Carbon by Using Layered Silicate Template. Bulletin of the Korean Chemical Society, 2003, 24, 1561-1562.	1.9	3
34321	Synthesis of Carbon Nanotubes from Catalytic Decomposition of C_{2H_2} through Pd/Al $_2O_3$ Catalysts. Bulletin of the Korean Chemical Society, 2003, 24, 1771-1774.	1.9	6
34322	The Electronic Structure and Stability of the Heterofullerene :C $_{(60-2x)}$ (BN) $_x$. Bulletin of the Korean Chemical Society, 2003, 24, 494-498.	1.9	15
34323	Effect of H $_2$ on Formation Behavior of Carbon Nanotubes. Bulletin of the Korean Chemical Society, 2004, 25, 1521-1524.	1.9	13
34324	Catalytic Mechanism for Growth of Carbon Nanotubes under CO-H $_2$ Gas Mixture. Bulletin of the Korean Chemical Society, 2005, 26, 103-106.	1.9	1
34325	Low Potential Amperometric Determination of Ascorbic Acid at a Single-Wall Carbon Nanotubes-Dihexadecyl Hydrogen Phosphate Composite Film Modified Electrode. Bulletin of the Korean Chemical Society, 2005, 26, 1403-1409.	1.9	7
34326	The Determination of Dopamine in the Presence of Ascorbic Acid at the Modified Glassy Carbon Electrode with Phytic Acid and Single-Walled Carbon Nanotubes. Bulletin of the Korean Chemical Society, 2007, 28, 2363-2368.	1.9	7
34327	Polymeric Nano-half-shells prepared by Simple Solvent Evaporation Method. Bulletin of the Korean Chemical Society, 2009, 30, 1-3.	1.9	9
34328	Influence of Functionalization on Physicochemical Properties of Multi-walled Carbon Nanotubes/Epoxy Matrix Nanocomposites. Bulletin of the Korean Chemical Society, 2009, 30, 124-128.	1.9	4
34329	Synthesis, Characterization and Liquid Phase Oxidation of Cyclohexane with Hydrogen Peroxide over Oxovanadium(IV) Schiff-base Tetradentate Complex Covalently Anchored to Multi-Wall Carbon Nanotubes (MWNTs). Bulletin of the Korean Chemical Society, 2009, 30, 355-362.	1.9	12
34330	H $^+$ Ion Migration in Water Filled Carbon Nanotube. Bulletin of the Korean Chemical Society, 2009, 30, 700-702.	1.9	2
34331	Structure and Energetics of (C $_{60}$) $_{22}$ +Conformers: Quantum Chemical Studies. Bulletin of the Korean Chemical Society, 2010, 31, 457-460.	1.9	2
34332	Electroanalytical Applications Based on Carbon Nanotube/Prussian Blue Screen-printable Composite. Bulletin of the Korean Chemical Society, 2010, 31, 1583-1588.	1.9	5
34333	Positive Charge-doping on Carbon Nanotube Walls and Anion-directed Tunable Dispersion of the Derivatives. Bulletin of the Korean Chemical Society, 2011, 32, 1635-1639.	1.9	8
34334	The Modified Electrode by PEDOP with MWCNTs-Palladium Nanoparticles for the Determination of hydroquinone and Catechol. Bulletin of the Korean Chemical Society, 2011, 32, 2771-2775.	1.9	8
34335	ZnO Nanorods Grown on Cd $_x$ Zn $_{1-x}$ O Seed Layers with Various Cd Mole Fractions. Bulletin of the Korean Chemical Society, 2012, 33, 189-193.	1.9	4
34336	Theoretical Study of Thiazole Adsorption on the (6,0) zigzag Single-Walled Boron Nitride Nanotube. Bulletin of the Korean Chemical Society, 2012, 33, 3285-3292.	1.9	32
34337	Hyperpolarized ^{129}NMR Study of TiO $_2$ Nanotubes. Bulletin of the Korean Chemical Society, 2012, 33, 511-514.	1.9	1

#	ARTICLE	IF	CITATIONS
34338	Kinetic and Equilibrium Study of Lead (II) Removal by Functionalized Multiwalled Carbon Nanotubes with Isatin Derivative from Aqueous Solutions. Bulletin of the Korean Chemical Society, 2013, 34, 3391-3398.	1.9	21
34339	Single-walled Carbon Nanotube-triethylammonium Ionic Liquid as a New Catalytic System for Michael Reaction. Bulletin of the Korean Chemical Society, 2014, 35, 3035-3040.	1.9	3
34340	A Novel Method for the Fabrication of Monodispersed Carbon Nanospheres and Their Crosslinked Forms. Bulletin of the Korean Chemical Society, 2014, 35, 871-874.	1.9	2
34341	The Effect of Exchange and Correlation on Properties of Carbon Nanotube Structure: A DFT study. Journal of the Korean Chemical Society, 2011, 55, 7-13.	0.2	5
34342	Synthesis of Bowl-shaped Aromatic Hydrocarbons, Buckybowl. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2009, 67, 38-50.	0.1	7
34343	Metal Nanoparticles Supported on Carbon Nanofibers: Synthesis and Application for the Hydrogenation Reactions. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2009, 67, 724-734.	0.1	2
34344	New Organic Chemistry of Three-Dimensional π -Conjugated Compounds. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2014, 72, 992-1005.	0.1	5
34345	Experimental evidence for the formation mechanism of metallic catalyst-free carbon nanotubes. Nano-Micro Letters, 2010, 2, 18.	27.0	1
34346	Effect of hydrogen plasma treatment on the growth and microstructures of multiwalled carbon nanotubes. Nano-Micro Letters, 2010, 2, 42.	27.0	2
34347	A Low-Voltage and Energy-Efficient Full Adder Cell Based on Carbon Nanotube Technology. Nano-Micro Letters, 2010, 2, 114.	27.0	5
34348	Functionalization of carbon nanotubes and other nanocarbons by azide chemistry. Nano-Micro Letters, 2010, 2, 213.	27.0	3
34349	Efficient CNTFET-based Ternary Full Adder Cells for Nanoelectronics. Nano-Micro Letters, 2011, 3, 43.	27.0	7
34350	Growth and Formation Mechanism of Branched Carbon Nanotubes by Pyrolysis of Iron(II) Phthalocyanine. Nano-Micro Letters, 2013, 5, 124.	27.0	1
34351	Impact and Delamination Failure of Multiscale Carbon Nanotube-Fiber Reinforced Polymer Composites: A Review. International Journal of Aeronautical and Space Sciences, 2011, 12, 115-133.	2.0	128
34352	Microstructure and Ion Exchange Properties for Nanotubular Titanate. Journal of Ion Exchange, 2007, 18, 310-315.	0.3	3
34353	Effects Of Multi Walled Carbon Nanotubes And Graphene On The Mechanical Properties Of Hybrid Polymer Composites. Advanced Materials Letters, 2013, 4, 261-270.	0.6	32
34354	Vibration analysis of single-walled carbon nanotubes using wave propagation approach. Mechanical Sciences, 2017, 8, 155-164.	1.0	26
34355	The computation of bending eigenfrequencies of single-walled carbon nanotubes based on the nonlocal theory. Mechanical Sciences, 2018, 9, 349-358.	1.0	4

#	ARTICLE	IF	CITATIONS
34356	Mechanical Properties of Carbon Nanotube/Cu Nanocomposites Produced by Powder Equal Channel Angular Pressing. Transactions of Materials Processing, 2006, 15, 360-365.	0.1	1
34357	ROLE OF LOW SURFACE AREA FEW LAYER GRAPHENE IN ENHANCING MECHANICAL PROPERTIES OF POLY (1,4-CIS-ISOPRENE) RUBBER NANOCOMPOSITES. Rubber Chemistry and Technology, 2020, 93, 172-182.	1.2	6
34358	Development of Conducting Shape Memory Polymer Actuators. Journal of Control Automation and Systems Engineering, 2004, 10, 976-980.	0.1	1
34359	A Biomimetic Artificial Neuron Matrix System Based on Carbon Nanotubes for Tactile Sensing of e-Skin. Journal of Institute of Control, Robotics and Systems, 2012, 18, 188-192.	0.2	3
34360	SWNT Sensors for Monitoring the Oxidation of Edible Oils. Journal of Sensor Science and Technology, 2013, 22, 239-243.	0.2	2
34361	Carbon Nanotube Synthesis using Magnetic Null Discharge Plasma Production Technology. Journal of Electrical Engineering and Technology, 2007, 2, 532-536.	2.0	4
34362	Active and Reactive Power Control Model of Superconducting Magnetic Energy Storage (SMES) for the Improvement of Power System Stability. Journal of Electrical Engineering and Technology, 2008, 3, 1-7.	2.0	10
34363	Selective Growth of Carbon Nanotubes using Two-step Etch Scheme for Semiconductor Via Interconnects. Journal of Electrical Engineering and Technology, 2011, 6, 280-283.	2.0	9
34364	Carbon Nanotube Synthesis with High Purity by Introducing of NH ₃ Etching Gas. Transactions of the Korean Institute of Electrical Engineers, 2013, 62, 782-785.	0.1	2
34365	Strategies for Fabricating Nanogap Single-Crystal Organic Transistors. ISRN Nanotechnology, 2012, 2012, 1-6.	1.3	1
34366	A Study on Biomaterial Detection Using Single-Walled Carbon Nanotube Based on Interdigital Capacitors. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2008, 19, 891-898.	0.3	3
34367	Surface Modification of Carbon Nano tubes with Nystatin for Drug Delivery Applications. Indian Journal of Pharmaceutical Education and Research, 2016, 50, 385-390.	0.6	7
34368	Title is missing!. Synthesiology, 2008, 1, 183-189.	0.2	5
34369	Development of massive synthesis method of organic nanotube toward practical use. Synthesiology, 2009, 1, 169-176.	0.2	7
34370	Indoor Air Pollution, Sorbent Selection, and Analytical Techniques for Volatile Organic Compounds. Asian Journal of Atmospheric Environment, 2018, 12, 289-310.	1.1	12
34371	Fabrication of Electrical Conductivity and Reinforced Electrospun Silk Nanofibers with MWNTs. Fibres and Textiles in Eastern Europe, 2017, 25, 40-44.	0.5	15
34372	Composite materials consisting of carbon nanostructures and nanoforms of selected metals. Archives of Materials Science and Engineering, 2017, 1, 5-22.	1.1	3
34373	WPÅY W ROZKÅADU TEMPERATURY W REAKTORZE DO SYNTEZY CVD NANOZASOBNIKÅ W WÅGLOWYCH NA PROCES SYNTEZY. Informatyka Automatyka Pomiary W Gospodarce I Ochronie Åšrodowiska, 2016, 6, 56-59.	0.4	2

#	ARTICLE	IF	CITATIONS
34374	Electronic Transport Parameter of Carbon Nanotube Metal-Semiconductor On-Tube Heterojunction. ITB Journal of Science, 2009, 41, 15-37.	0.1	1
34375	Surface Modification of Multi-walled Carbon Nanotubes for Enhancement of Dispersion and Electrochemical Properties. Journal of the Korean Institute of Surface Engineering, 2008, 41, 194-198.	0.1	4
34376	Carbon Materials as Catalysts. Carbon Letters, 2008, 9, 47-60.	5.9	4
34377	Electrospun Nanocomposite Fiber Mats of Zinc-Oxide Loaded Polyacrylonitrile. Carbon Letters, 2008, 9, 108-114.	5.9	23
34378	Standardization Trends for Carbon Nanotubes. Carbon Letters, 2009, 10, 1-4.	5.9	3
34379	Evaluating the Degree of Macrodispersion of Carbon Nanotubes using UV-VIS-NIR Absorption Spectroscopy. Carbon Letters, 2009, 10, 14-18.	5.9	2
34380	X-ray Photoelectron Spectroscopic Analysis of Modified MWCNT and Dynamic Mechanical Properties of E-beam Cured Epoxy Resins with the MWCNT. Carbon Letters, 2009, 10, 314-319.	5.9	16
34381	Purification of Multi Walled Carbon Nanotubes (Mwcnts) Synthesized by Arc Discharge Set Up. Carbon Letters, 2010, 11, 184-191.	5.9	7
34382	A review of the preparation and properties of carbon nanotubes-reinforced polymer compositess. Carbon Letters, 2011, 12, 57-69.	5.9	60
34383	Effect of few-walled carbon nanotube crystallinity on electron field emission property. Carbon Letters, 2011, 12, 207-217.	5.9	5
34384	Synthesis of well-aligned thin multiwalled carbon nanotubes on the silicon substrate and their field emission properties. Carbon Letters, 2011, 12, 218-222.	5.9	3
34385	Dielectrophoretic Alignment and Pearl Chain Formation of Single-Walled Carbon Nanotubes in Deuterium Oxide Solution. Carbon Letters, 2012, 13, 248-253.	5.9	1
34386	Carbon nanotubes-properties and applications: a review. Carbon Letters, 2013, 14, 131-144.	5.9	339
34387	Hierarchical porous carbon nanofibers via electrospinning. Carbon Letters, 2014, 15, 1-14.	5.9	40
34388	Double-walled carbon nanotubes: synthesis, structural characterization, and application. Carbon Letters, 2014, 15, 77-88.	5.9	35
34389	Carbon-allotropes: synthesis methods, applications and future perspectives. Carbon Letters, 2014, 15, 219-237.	5.9	66
34390	Carbon nanotubes synthesis using diffusion and premixed flame methods: a review. Carbon Letters, 2015, 16, 1-10.	5.9	20
34391	Characterization and influence of shear flow on the surface resistivity and mixing condition on the dispersion quality of multi-walled carbon nanotube/polycarbonate nanocomposites. Carbon Letters, 2015, 16, 86-92.	5.9	5

#	ARTICLE	IF	CITATIONS
34392	Graphene Etching on Well-Defined Solid Surfaces. , 0, , .		1
34393	Polymer Nanocomposites: From Synthesis to Applications. , 0, , .		47
34394	Microinjection Molding of Enhanced Thermoplastics. , 0, , .		3
34395	DNA-Wrapped Carbon Nanotubes: From Synthesis to Applications. , 0, , .		8
34396	Poly (trimethylene terephthalate) – The New Generation of Engineering Thermoplastic Polyester. , 0, , .		5
34397	Polymer-Graphene Nanocomposites: Preparation, Characterization, Properties, and Applications. , 0, , .		23
34398	Control of Single-Hole Transition in Carbon Nanotube Transistor with Quantum Dot in Gate Insulator at Room Temperature. , 0, , .		2
34399	Electrochemical and Adsorption Properties of Catalytically Formed Carbon Nanofibers. , 0, , .		1
34400	Carbon Nanotubes: Applications to Energy Storage Devices. , 0, , .		2
34401	Preparation of Magnetic Multi-Walled Carbon Nanotubes to Adsorb Sodium Dodecyl Sulfate (SDS). Avicenna Journal of Environmental Health Engineering, 2017, 4, 61902-61902.	0.6	6
34402	Diagnosing Emerging and Reemerging Infectious Diseases: The Pivotal Role of the Pathologist. Archives of Pathology and Laboratory Medicine, 2011, 135, 83-91.	2.5	20
34403	Density functional theory (DFT) based study of solvent effect on B10N11 and B10N11H7 (Gly)2 nano structures. African Journal of Microbiology Research, 2011, 5, .	0.4	1
34404	Nanohardness and wear behavior of Copper-SiC-CNTs nanocomposites. FME Transactions, 2020, 48, 688-692.	1.4	14
34405	Can Carbon Nanotubes Make Wonders in Civil/Structural Engineering?. Progress in Nanotechnology and Nanomaterials, 2013, 2, 117-129.	1.3	15
34406	Biomedical Application of Carbon Nanotubes for Proteins Extraction and Separation. Journal of Pharmacy and Nutrition Sciences (discontinued), 2016, 6, 126-143.	0.4	2
34408	Theoretical Evaluations of Stiffness Degradation Factors in Carbon-Nanotube Composites. Journal of the Japan Society for Composite Materials, 2008, 34, 109-117.	0.2	3
34411	Purification of Carbon Nanotube Using Gasification Reaction. Tanso, 1997, 1997, 245-249.	0.1	4
34412	Carbonization of Spherulitic Aromatic Polyimide Particles. Tanso, 1997, 1997, 70-75.	0.1	2

#	ARTICLE	IF	CITATIONS
34413	Carbon Rod for Fullerene Synthesis. Tanso, 2000, 2000, 130-138.	0.1	1
34414	Carbon Nanotubes and Nanofibres: Exotic Materials of Carbon. Tanso, 2000, 2000, 424-433.	0.1	2
34415	Review on the Structural Concepts of Carbons. Molecular, Nano, Meso and Micro-scopic Views of Mesophase Pitch/ Graphitized Fiber Including Nano Phased Fibers As Models of Carbons. Tanso, 2001, 2001, 206-216.	0.1	3
34416	Boron Doping to Multiwall Carbon Nanotube. Tanso, 2002, 2002, 244-254.	0.1	3
34417	Production and Application of Carbon Nanotubes. Tanso, 2003, 2003, 87-93.	0.1	1
34418	Molecular dynamics simulations of formation process of single-walled carbon nanotubes. Tanso, 2004, 2004, 158-165.	0.1	6
34419	Magnetic processing of polymer composite films including vapor-grown carbon fibers. Tanso, 2006, 2006, 169-175.	0.1	1
34420	Nano-C/C composite materials. Tanso, 2006, 2006, 206-214.	0.1	1
34421	Surface chemical properties of cup-stacked-type carbon nanotubes. Tanso, 2010, 2010, 55-59.	0.1	4
34422	Catalytic etching of various carbon materials by ultrafine metal particles. Tanso, 2016, 2016, 145-154.	0.1	1
34423	BaTiO ₃ nanoparticles and nanorods synthesized in carbon nanohorns. Tanso, 2017, 2017, 198-202.	0.1	3
34424	Enhancing the performance of electrochemical capacitor electrodes by modifying their carbon nanopores with redox-active materials. Tanso, 2019, 2019, 103-113.	0.1	11
34425	Microstructure and Ablation Performance of CNT-phenolic Nanocomposites. Composites Research, 2013, 26, 309-314.	0.1	5
34426	Influence of MWCNTs on Fracture Toughness of MWCNTs/Nickel-Pitch Fiber/Epoxy Composites. Composites Research, 2015, 28, 361-365.	0.1	4
34427	High Strength Electrospun Nanofiber Mats via CNT Reinforcement: A Review. Composites Research, 2016, 29, 186-193.	0.1	9
34428	Growth and functionalization of carbon nanotubes on quartz filter for environmental applications. Journal of Environmental Engineering & Ecological Science, 2014, 3, 2.	0.7	14
34429	Effect of Surfactant on Rheological and Electrical Properties of Latex-Blended Polystyrene/Single-Walled Carbon Nanotube Nanocomposites. Porrima, 2012, 36, 364-371.	0.2	2
34430	Influence of Electroless Ni-plated MWCNTs on Thermal Conductivity and Fracture Toughness of MWCNTs/Al ₂ O ₃ /Epoxy Composites. Porrima, 2013, 37, 449-454.	0.2	5

#	ARTICLE	IF	CITATIONS
34431	Preparation, Morphology and Electrical Conductivity of Polystyrene/Polydopamine- Carbon Nanotube Microcellular Foams via High Internal Phase Emulsion Polymerization. Porrima, 2015, 39, 293-299.	0.2	3
34432	Molecular dynamics simulation on carbon nanotube bundles sandwiched between Si surfaces. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 016106.	0.5	5
34433	Time influence factor of vanadium oxide nanotube on Si substrate and initial gas sensing test. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 236101.	0.5	1
34434	First-principles calculations of h-BN monolayers by doping with oxygen and sulfur. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 083102.	0.5	11
34435	First-principles study on the electronic structures of SiC /carbon nanotube core-shell structures. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 107101.	0.5	5
34436	Preparation of boron nanowires using AuPd nanoparticles as catalyst and their field emission behaviors. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 048102.	0.5	4
34437	Density functional theory study of structure stability and electronic structures of graphyne derivatives. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 133101.	0.5	2
34438	First-principle study of structure stability and electronic structures of graphyne derivatives. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 107102.	0.5	8
34439	Method of picking up carbon nanotubes inside scanning electron microscope. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 136801.	0.5	6
34440	Length-controllable picking method and conductivity analysis of carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 068801.	0.5	3
34441	Study on the ground state properties and excitation properties of C_{18} under different external electric fields. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 103101.	0.5	7
34445	In-situ Crystal Structure Analysis of Cobalt Nanocompounds Synthesizing Graphite at High Temperatures. Japanese Journal of Applied Physics, 2011, 50, 015103.	1.5	2
34446	Growth of Two-Dimensional Carbon Nanostructures and Their Electrical Transport Properties at Low Temperature. Japanese Journal of Applied Physics, 2011, 50, 01A02.	1.5	4
34447	Study of Carbon-Nanotube Web Thermoacoustic Loud Speakers. Japanese Journal of Applied Physics, 2011, 50, 01B10.	1.5	20
34448	One-Step Liquid-Phase Synthesis of Carbon Nanotubes with Catalyst Precursors of Organometallic Complexes. Japanese Journal of Applied Physics, 2011, 50, 01B11.	1.5	1
34449	Fabrication of Carbon Nanotube/Zinc Oxide Composite Films by Electrodeposition. Japanese Journal of Applied Physics, 2011, 50, 085504.	1.5	1
34450	Formation of Nanofibers on the Surface of Diamond-Like Carbon Films by RF Oxygen Plasma Etching. Japanese Journal of Applied Physics, 2011, 50, 08JF12.	1.5	2
34451	Theoretical Simulation of Deformed Carbon Nanotubes with Adsorbed Metal Atoms: Enhanced Reactivity by Deformation. Japanese Journal of Applied Physics, 2011, 50, 105101.	1.5	2

#	ARTICLE	IF	CITATIONS
34452	Electric-Field-Induced Formation of Multiwalled Carbon Nanotube Conductive Pathways in Positive Dielectric Anisotropic Nematic Liquid Crystal Host. Japanese Journal of Applied Physics, 2011, 50, 121701.	1.5	3
34453	Investigation of the Resistance Dependence on Temperature of Single Carbon Nanotube in Different Environments. Japanese Journal of Applied Physics, 2011, 50, 125101.	1.5	2
34454	Control of Super Hydrophobic and Super Hydrophilic Surfaces of Carbon Nanowalls Using Atmospheric Pressure Plasma Treatments. Japanese Journal of Applied Physics, 2012, 51, 01AJ07.	1.5	31
34455	Determination of Creep Life of Glass Fiber/Phenol Composite Filled with Carbon Nanotubes by Four-Point Flexural Creep Test. Japanese Journal of Applied Physics, 2012, 51, 01AK03.	1.5	1
34456	Carbon Nanotube Research: Past and Future. Japanese Journal of Applied Physics, 2012, 51, 040001.	1.5	15
34457	Spontaneous Polygonization of Multiwalled Carbon Nanotubes: Perturbation Analysis. Japanese Journal of Applied Physics, 2012, 51, 065101.	1.5	2
34458	One-Step Liquid-Phase Synthesis of Carbon Nanotubes: Effects of Substrate Materials on Morphology of Carbon Nanotubes. Japanese Journal of Applied Physics, 2012, 51, 06FD19.	1.5	1
34459	Recovery Force of Carbon Nanotube Shape Memory. Japanese Journal of Applied Physics, 2012, 51, 06FD22.	1.5	2
34460	Low-Temperature Synthesis of Single-Walled Carbon Nanotubes in a High Vacuum Using Pt Catalyst in Alcohol Gas Source Method. Japanese Journal of Applied Physics, 2012, 51, 06FD23.	1.5	12
34461	Electric Field Enhancement by Laser Light Focused at Electrode Edges for Controlled Positioning of Carbon Nanotubes. Japanese Journal of Applied Physics, 2012, 51, 06FD26.	1.5	2
34462	Characterization of Isolated Individual Single-Walled Carbon Nanotube by Electrochemical Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 2012, 51, 08KB06.	1.5	2
34463	Defect Evolution in Multiwalled Carbon Nanotube Films Irradiated by Ar Ions. Japanese Journal of Applied Physics, 2012, 51, 110202.	1.5	6
34464	Highly durable silica-coated Pt/carbon nanotubes for proton-exchange membrane fuel cells application. Japanese Journal of Applied Physics, 2016, 55, 01AE23.	1.5	3
34465	Characterization of X-ray charge neutralizer using carbon-nanotube field emitter. Japanese Journal of Applied Physics, 2016, 55, 06GF10.	1.5	1
34466	Electronic structure of carbon nanotube thin films with nanoscale interfaces under an electric field. Japanese Journal of Applied Physics, 2017, 56, 06GE02.	1.5	2
34467	Improved Mathematical Models of Thermal Residual Stresses in Functionally Graded Adhesively Bonded Joints: A Critical Review. Reviews of Adhesion and Adhesives, 2019, 7, 367-416.	3.4	9
34468	Interaction of O ₂ , CO ₂ , NO ₂ and SO ₂ on Si- doped Carbon Nanotube. International Journal of Applied Physics and Mathematics, 2011, , 138-143.	0.3	9
34469	Exposure of Carbon Nanotubes Fabricated by Template-Assisted CVD through a Two-Step Method. International Journal of Materials Mechanics and Manufacturing, 2015, 4, 183-186.	0.2	1

#	ARTICLE	IF	CITATIONS
34470	Switch-on Phenomena and Field Emission from Multi-Walled Carbon Nanotubes Embedded in Glass. Applied Microscopy, 2016, 46, 244-252.	1.4	4
34471	Calculation the Thermal Conductivity of Nanofluids Containing Aligned Ultralong Single Walled Carbon Nanotubes. Physical Science International Journal, 2016, 10, 1-8.	0.3	2
34472	Dry sliding wear behaviour of AA 6061-MWCNT nanocomposites prepared by mechanical alloying. IOSR Journal of Mechanical and Civil Engineering, 2016, 13, 46-53.	0.1	5
34473	Functionalized Multi-Walled Carbon Nanotubes for Nitrogen Sensor. IOSR Journal of Applied Chemistry, 2014, 7, 49-52.	0.2	23
34474	Cold-induced Conversion of Connective Tissue Skeleton in Brown Adipose Tissues. Acta Histochemica Et Cytochemica, 2021, 54, 131-141.	1.6	2
34475	Synthesis Methods for Carbon-Based Materials. Indian Institute of Metals Series, 2021, , 367-420.	0.3	0
34476	Interface engineering and integration of two-dimensional polymeric and inorganic materials for advanced hybrid structures. New Journal of Chemistry, 2021, 45, 20972-20986.	2.8	0
34477	Analysis of 2D nanomaterial BC ₃ for COVID-19 biomarker ethyl butyrate sensor. Journal of Materials Chemistry B, 2021, 9, 9221-9229.	5.8	6
34478	Edge Weight Based Entropy Measure of Different Shapes of Carbon Nanotubes. IEEE Access, 2021, 9, 139712-139724.	4.2	11
34479	Recent advances in waste-recycled nanomaterials for biomedical applications: Waste-to-wealth. Nanotechnology Reviews, 2021, 10, 1662-1739.	5.8	50
34480	Carbonaceous Nanomaterials for Environmental Remediation. , 2021, , 321-364.		1
34481	Mechanical properties and structural health monitoring performance of carbon nanotube-modified FRP composites: A review. Nanotechnology Reviews, 2021, 10, 1438-1468.	5.8	14
34482	Free vibration of a single-walled carbon nanotube based on the nonlocal Timoshenko beam model. Journal of Mechanics, 2021, 37, 616-635.	1.4	6
34483	Recent development in graphene-reinforced aluminium matrix composite: A review. Reviews on Advanced Materials Science, 2021, 60, 801-817.	3.3	42
34484	Fabrication and Supercapacitor Applications of Multiwall Carbon Nanotube Thin Films. Journal of Carbon Research, 2021, 7, 70.	2.7	9
34485	The Effect of Thermal Cycling on the Tensile and Shear Behaviors of the Carbon Nanotube-Reinforced Epoxy. International Journal of Aerospace Engineering, 2021, 2021, 1-13.	0.9	0
34486	Nonlocal thermoelasticity: Transient heat conduction effects on the linear and nonlinear vibration of single-walled carbon nanotubes. Mechanics Based Design of Structures and Machines, 2023, 51, 4929-4945.	4.7	5
34487	Optical nano monopoles for interconnection electronic chips applications. Optik, 2022, 249, 168142.	2.9	1

#	ARTICLE	IF	CITATIONS
34488	Multiwall carbon nanotubes: A review on synthesis and applications. Nanoscience and Nanotechnology - Asia, 2021, 11, .	0.7	0
34489	Negative Thermal Expansion of Carbon Nanotube Bundles. Physica Status Solidi - Rapid Research Letters, 2022, 16, 2100415.	2.4	12
34490	Effect of heat treatment on the morphology of carbon fibers doped with Co2p nanoparticles. Chemical Papers, 2021, , 1-13.	2.2	1
34491	Molecular Nanocarbons Add New Dimensions to Organic Chemistry. Journal of Organic Chemistry, 2021, 86, 14239-14241.	3.2	2
34492	A Review on the Synthesis, Properties, and Utilities of Functionalized Carbon Nanoparticles for Polymer Nanocomposites. Polymers, 2021, 13, 3547.	4.5	28
34493	Mechanical Behavior of Single and Bundled Defect-Free Carbon Nanotubes. Accounts of Materials Research, 2021, 2, 998-1009.	11.7	14
34494	Colon targeted dosage form of Capecitabine using folic acid anchored modified carbon nanotube: <i>in vitro</i> cytotoxicity, apoptosis and <i>in vivo</i> roentgenographic study. Drug Development and Industrial Pharmacy, 2021, 47, 1401-1412.	2.0	11
34495	Shedding Light on Graphene Quantum Dots: Key Synthetic Strategies, Characterization Tools, and Cutting-Edge Applications. Materials, 2021, 14, 6153.	2.9	12
34496	Graphdiyne: from Preparation to Biomedical Applications. Chemical Research in Chinese Universities, 2021, 37, 1-19.	2.6	10
34497	Analysis of natural convection for a Casson-based multiwall carbon nanotube nanofluid in a partially heated wavy enclosure with a circular obstacle in the presence of thermal radiation. Journal of Advanced Research, 2022, 39, 167-185.	9.5	24
34498	Gas pressure control of electric arc synthesis of composite Sn-SnO2-C nanomaterials. Vacuum, 2022, 195, 110694.	3.5	5
34499	Carbon-Based Materials for Articular Tissue Engineering: From Innovative Scaffolding Materials toward Engineered Living Carbon. Advanced Healthcare Materials, 2022, 11, e2101834.	7.6	30
34500	Computing and comparative analysis of topological invariants of symmetrical carbon nanotube Y junctions. Arabian Journal of Chemistry, 2022, 15, 103509.	4.9	3
34501	Progress in pulsed laser ablation in liquid (PLAL) technique for the synthesis of carbon nanomaterials: a review. Applied Physics A: Materials Science and Processing, 2021, 127, .	2.3	37
34502	A comprehensive review of FET-based pH sensors: materials, fabrication technologies, and modeling. Electrochemical Science Advances, 2022, 2, 2100147.	2.8	22
34503	Preparation and Application of Chitosan-Based Membrane: Focusing on Dye Removal. Sustainable Textiles, 2022, , 121-179.	0.7	1
34504	Molecular Nanocarbons Add New Dimensions to Organic Chemistry. Organic Letters, 2021, 23, 8119-8121.	4.6	0
34505	Fabrication of Metal/Carbon Nanotube Composites by Electrochemical Deposition. Electrochem, 2021, 2, 563-589.	3.3	6

#	ARTICLE	IF	CITATIONS
34506	Nanotechnology Strategies for Plant Genetic Engineering. <i>Advanced Materials</i> , 2022, 34, e2106945.	21.0	40
34507	Hybrid nanofluid flow containing single-wall and multi-wall CNTs induced by a slender stretchable sheet. <i>Chinese Journal of Physics</i> , 2021, 74, 350-364.	3.9	16
34508	Effect of Nanostructures on the Properties of Glass Ionomer Dental Restoratives/Cements: A Comprehensive Narrative Review. <i>Materials</i> , 2021, 14, 6260.	2.9	17
34509	Ruthenium- <i>p</i> -cymene Complex Side-Wall Covalently Bonded to Carbon Nanotubes as Efficient Hybrid Transfer Hydrogenation Catalyst. <i>ChemCatChem</i> , 2021, 13, 5156-5165.	3.7	3
34510	Preparation and Gas Separation Performance of Polysulfone Mixed Matrix Membrane. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-10.	2.7	2
34511	Effect of ambient temperature and cathode-anode separation on electron field emission property of carbon nanofibers thin films. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	0
34512	<i>h</i> BN crystal, basic structure of boron nitride nanotubes. <i>IUCrJ</i> , 2021, 8, 1018-1023.	2.2	1
34513	Morphological, Optical, and Mechanical Characterizations of Non-Activated and Activated Nanocomposites of SG and MWCNTs. <i>Crystals</i> , 2021, 11, 1280.	2.2	3
34514	A comparative study of polymer nanocomposites containing multi-walled carbon nanotubes and graphene nanoplatelets. <i>Nano Materials Science</i> , 2022, 4, 185-204.	8.8	35
34515	Morphology and tensile performance of MWCNT/TiO ₂ -epoxy nanocomposite. <i>Materials Chemistry and Physics</i> , 2022, 277, 125336.	4.0	15
34516	Role of Nanoparticles in Abiotic Stress. , 0, , .		9
34517	Intermolecular Interactions between Serine and C ₆₀ , C ₅₉ Si, and C ₅₉ Ge: a DFT Study. <i>Silicon</i> , 2022, 14, 6075-6088.	3.3	27
34518	DFT Study for Adsorbing of Bromine Monochloride onto BNNT (5,5), BNNT (7,0), BC ₂ NNT (5,5), and BC ₂ NNT (7,0). <i>Journal of Computational Biophysics and Chemistry</i> , 2021, 20, 765-783.	1.7	35
34519	CNT/TiO ₂ Hybrid Nanostructured Materials: Synthesis, Properties and Applications. <i>Engineering Materials</i> , 2022, , 185-204.	0.6	0
34520	Surface Properties of Silica-MWCNTs/PDMS Composite Coatings Deposited on Plasma Activated Glass Supports. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9256.	2.5	3
34521	Layer or Tube? Uncovering Key Factors Determining the Rolling-up of Layered Coordination Polymers. <i>Journal of the American Chemical Society</i> , 2021, 143, 17587-17598.	13.7	10
34522	Self-Assembled Fullerene Nanostructures: Synthesis and Applications. <i>Advanced Functional Materials</i> , 2022, 32, 2106924.	14.9	61
34523	Chemical Bond Formation between Vertically Aligned Carbon Nanotubes and Metal Substrates at Low Temperatures. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9529.	2.5	5

#	ARTICLE	IF	CITATIONS
34524	Carbon nanotubes: Types, synthesis, cytotoxicity and applications in biomedical. Materials Today: Proceedings, 2022, 50, 2256-2268.	1.8	27
34525	Carbon Nanotubes as Reinforcing Nanomaterials for Rubbers Used in Electronics. , 0, , .		0
34526	Designing and Encapsulation of Inorganic Al ₁₂ N ₁₂ Nanoclusters with Be, Mg, and Ca Metals for Efficient Hydrogen Adsorption: A Step Forward Towards Hydrogen Storage Materials. Journal of Computational Biophysics and Chemistry, 2021, 20, 687-705.	1.7	19
34527	Substrate Dependent Charge Transfer Kinetics at the Solid/Liquid Interface of Carbon-Based Electrodes with Potential Application for Organic Na-ion Batteries. Israel Journal of Chemistry, 2022, 62, .	2.3	4
34528	Design of 3D Carbon Nanotube Monoliths for Potential-Controlled Adsorption. Applied Sciences (Switzerland), 2021, 11, 9390.	2.5	3
34529	Analyses on the non-equilibrium transport processes in a free-burning argon arc plasma under different operating conditions. Plasma Sources Science and Technology, 0, , .	3.1	1
34530	The Mechanical and Thermal Properties of MWCNT/ZnO/Polyethylene Composites. Materials Science Forum, 0, 1047, 9-14.	0.3	0
34531	Recent progress and future perspectives on carbon-nanomaterial-dispersed liquid crystal composites. Journal Physics D: Applied Physics, 2022, 55, 083002.	2.8	39
34532	Application of Nanomaterials in Isothermal Nucleic Acid Amplification. Small, 2022, 18, e2102711.	10.0	25
34533	Adsorption desalination: Advances in porous adsorbents. Chinese Journal of Chemical Engineering, 2022, 42, 151-169.	3.5	17
34534	Ambient Air Purification by Nanotechnologies: From Theory to Application. Catalysts, 2021, 11, 1276.	3.5	13
34535	Carbyne Nanocrystal: One-Dimensional van der Waals Crystal. ACS Nano, 2021, 15, 16769-16776.	14.6	7
34536	Synthesis, Characterization and Application of Carbon Nanotubes Decorated with Zinc Oxide Nanoparticles for Removal of Benzene, Toluene and p-Xylene from Aqueous Solution. Sustainability, 2021, 13, 11716.	3.2	3
34537	RESEARCH ON THE NONLINEAR VIBRATION OF CARBON NANOTUBE EMBEDDED IN FRACTAL MEDIUM. Fractals, 2022, 30, .	3.7	23
34538	Improved Biomedical Properties of Polydopamine-Coated Carbon Nanotubes. Micromachines, 2021, 12, 1280.	2.9	11
34540	Singlet Biradical Versus Triplet Biradical/Zwitterion Characteristics in Isomers of C ₆ -C ₅ -C ₆ -C ₇ -C ₆ -Fused Pentacyclic Aromatic Hydrocarbons Revealed through Reactivity Patterns. Chemistry - A European Journal, 2021, 27, 16682-16689.	3.3	7
34541	Carbon Nanotubes-Based Hydrogels for Bacterial Eradication and Wound-Healing Applications. Applied Sciences (Switzerland), 2021, 11, 9550.	2.5	27
34542	New kinds of analytical solitary wave solutions for ionic currents on microtubules equation via two different techniques. Optical and Quantum Electronics, 2021, 53, 1.	3.3	50

#	ARTICLE	IF	CITATIONS
34543	NEMS Sensors Based on Novel Nanomaterials. , 2022, , 133-185.		1
34544	Multi-Walled Carbon Nanotubes Influence on Gas Exchange, Redox Reaction and Antioxidant System in Zea mays Exposed to Excessive Copper. Journal of Plant Growth Regulation, 0, , 1.	5.1	2
34545	Preparation of carbon nanotube-vitrimer composites based on double dynamic covalent bonds: Electrical conductivity, reprocessability, degradability and photo-welding. Polymer, 2021, 235, 124280.	3.8	19
34546	Morphological Stability of Carbon Nanotetrahedra Isolated from Carbon Nanotetrahedron/Ribbon Structures. Journal of the Physical Society of Japan, 2021, 90, 115001.	1.6	0
34547	Lightning Protection of Wind Turbine Blades—How Supersizing Has Created New Challenges for Nanodielectrics Research. IEEE Electrical Insulation Magazine, 2021, 37, 6-20.	0.8	2
34548	Nonlinear finite element analysis of vibration of multi-walled carbon nanotubes with geometric imperfection resting on elastic foundations in a thermal–magnetic environment. Partial Differential Equations in Applied Mathematics, 2021, 4, 100158.	2.4	2
34549	Recent progress on adsorption and membrane separation for organic contaminants on multi-dimensional graphene. Materials Today Chemistry, 2021, 22, 100603.	3.5	7
34550	Selective localization of carbon nanotubes and its effect on the structure and properties of polymer blends. Progress in Polymer Science, 2021, 123, 101471.	24.7	55
34551	Injectable nanocomposite hydrogels as an emerging platform for biomedical applications: A review. Materials Science and Engineering C, 2021, 131, 112489.	7.3	55
34552	Spectroscopic analysis of SnO ₂ nanoparticles attached functionalized multiwalled carbon nanotubes. Surfaces and Interfaces, 2021, 27, 101492.	3.0	4
34553	Positron Annihilation in Fullerenes. Developments in Fullerenes Science, 2000, , 3-15.	0.5	0
34554	New Application of Carbon Nanotubes. EELS Diagnoses of the Multi-phase Nanotubes and Nanoparticles in the B-C-N Ternary System.. Hyomen Kagaku, 2000, 21, 560-568.	0.0	1
34555	New Application of Carbon Nanotubes. Development of Carbon-Nanotube Probes for Scanning Probe Microscopy.. Hyomen Kagaku, 2000, 21, 540-545.	0.0	1
34556	Advances in Structural Crystallography. , 2000, , 400-491.		0
34557	Intercalation Compounds of Fullerenes III: Other Fullerenes and Intercalated Nanotubes. Physics and Chemistry of Materials With Low-dimensional Structures, 2000, , 249-289.	1.0	0
34558	The Electronic Structure of Carbon-Based Nanostructures: Fullerenes, Onions and Tubes. , 2000, , 227-242.		0
34559	Supercarbon: New Development of Carbonaceous Materials as π -Electron Materials. Tanso, 2000, 2000, 192-200.	0.1	0
34561	Fibers From The Vapor, Liquid and Solid Phase. Materials Technology Series, 2000, , 3-8.	0.2	0

#	ARTICLE	IF	CITATIONS
34562	First-Principles Theoretical Modeling of Nanotube Growth. , 2001, , 149-170.		0
34563	Thermal and Electrical Conductance of Carbon Nanostructures. , 2001, , 263-272.		0
34564	Synthesis of single-wall carbon nanotubes by laser ablation and its dynamic process. The Review of Laser Engineering, 2001, 29, 114-115.	0.0	0
34565	Elastic Properties of Fullerenes. , 2001, , 163-171.		0
34566	Simple Preparation of Carbon-Nanotubed Field Emitting Surface Using a Welding Arc Torch. IEEJ Transactions on Fundamentals and Materials, 2001, 121, 495-496.	0.2	0
34567	Mass Production of Carbon Nanotubes by Arc Discharge Evaporation.. Zairyo/Journal of the Society of Materials Science, Japan, 2001, 50, 357-360.	0.2	0
34568	ã,«ãf¹/4ãfœãf³ç””è²žè¾žã...ç””é»†ã»æ-¹ã±±è©±. Tanso, 2001, 2001, 147-148.	0.1	0
34569	Molecular Structure. Springer Series on Atomic, Optical, and Plasma Physics, 2001, , 31-40.	0.2	0
34570	Fabrication of Probe-Microscope Tips Using Carbon Nanotubes and Their Properties. Tanso, 2001, 2001, 100-107.	0.1	0
34571	Nanotube Content in Arc Generated Carbon Powder. , 2001, , 53-61.		0
34572	Electronic Structure and Quantum Conductance of Carbon Nanotubes. , 2001, , 233-261.		0
34573	Controlled Production of Tubular Carbon and BCN Architecture. , 2001, , 171-185.		0
34574	Diffraction by Carbon-Based Tubular and Helical Structures. , 2001, , 129-147.		1
34575	A Theoretical Approach to Functionalization of Carbon Nanotubes. , 2001, , 347-356.		1
34577	Field Emission from Carbon Films Grown by the Cathodic Arc Process. , 2001, , 355-368.		0
34578	FORMATION OF SHELL SHAPED CARBONACEOUS NANO PARTICLES BY IN SITU LASER IRRADIATION TO SOOT PRECURSOR IN A FLAME. Journal of Aerosol Science, 2001, 32, 613-614.	3.8	0
34579	A Theoretical Study of Electrical Contacts to Self-Assembled Molecular Wires on Conducting Substrates. , 2001, , .		0
34580	Non-thermal Plasma Synthesis of Nanocarbons. , 2002, , 163-172.		0

#	ARTICLE	IF	CITATIONS
34581	Electronic Application of Carbon Nanotube. Journal of Japan Institute of Electronics Packaging, 2002, 5, 518-522.	0.1	0
34583	Modern concepts of conversion and storage of energy by dispersed materials absorption. Science of Sintering, 2002, 34, 247-259.	1.4	1
34584	Effects of Hydrogen Sulfide on the Plasma-assisted Chemical Vapor Deposition of Carbon Nanotubes.. Hyomen Kagaku, 2002, 23, 720-725.	0.0	1
34585	Nanoscale Engineering of Nanotube Tip in Nanofactory.. Shinku/Journal of the Vacuum Society of Japan, 2002, 45, 854-857.	0.2	0
34586	Process Development of Aligning Carbon Nanotube from the Paste. Journal of the Korean Ceramic Society, 2002, 39, 467-472.	2.3	0
34587	Carbon Nanotube for Materials Science. Journal of the Society of Mechanical Engineers, 2002, 105, 440-444.	0.0	0
34588	Mössbauer Spectroscopy Involved in the Study of the Catalytic Growth of Carbon Nanotubes. , 2002, , 289-296.		0
34589	Carbon Nanotube Field Emission Display. , 2002, , 57-65.		0
34590	Size-Dependent Evolution of Conduction-Electron Excitations in Small Spherical Particles. Springer Series in Cluster Physics, 2002, , 323-339.	0.3	0
34592	From Conducting Polymers to Carbon Nanotubes: New Horizons in Plastic Microelectronics and Carbon Nanoelectronics. , 2002, , 93-111.		0
34593	Formation of Aligned Carbon Nanotube Thin Films on the Surface of Silicon Carbide. Shinku/Journal of the Vacuum Society of Japan, 2002, 45, 75-79.	0.2	0
34594	Electronic states and transport in carbon nanotubes. , 2002, , 1-64.		1
34595	The Growth of Carbon and Boron Nitride Nanotubes: A Quantum Molecular Dynamics Study. Fundamental Materials Research, 2002, , 53-65.	0.1	0
34596	Vertical Growth of CNTs by Bias-assisted ICPHFCVD and their Field Emission Properties. Journal of the Korean Ceramic Society, 2002, 39, 171-177.	2.3	0
34597	Development of Carbon Nanomaterials for Field Emission Displays. Shinku/Journal of the Vacuum Society of Japan, 2002, 45, 70-74.	0.2	2
34598	The Vertical Growth of CNTs by DC Bias-Assisted PECVD and Their Field Emission Properties.. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2002, 15, 367-372.	0.0	0
34602	Carbon Nanotube and Its Application to Nanoelectronics. , 2002, , .		0
34603	Title is missing!. Journal of Korean Powder Metallurgy Institute, 2002, 9, 463-470.	0.3	0

#	ARTICLE	IF	CITATIONS
34605	Nanomaterials for Energy Storage: Batteries and Fuel Cells. , 2003, , 1149-1191.		0
34606	Inorganic Nanoparticles with Fullerene-like Structure and Inorganic Nanotubes. , 2003, , 251-271.		0
34607	Molecular Dynamics Simulations of Nanotube Growth. , 2003, , 45-56.		1
34608	Composite Nanowires. , 2003, , 257-268.		0
34609	One-Step Hydrothermal Synthesis and Characterizations of Titanate Nanostructures. , 2003, , 157-171.		0
34610	Diffraction and Imaging of Single-Walled Carbon Nanotubes. , 2003, , 3-44.		0
34611	Elaboration of h-Bn Sheathed $\hat{\text{I}}^2\text{-SiC}$ Nanocables. Materials Research Society Symposia Proceedings, 2003, 772, 331.	0.1	1
34612	Vertically Aligned Carbon Nanotube Growth Using Density-Controlled Catalyst Nanoparticles. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 542-545.	0.2	0
34613	Nanodiffraction of Carbon Nanotubes. , 2003, , 73-93.		0
34614	The Smallest Carbon Nanotubes. , 2003, , 95-120.		0
34615	Electron Diffraction and Microscopy of Single-Walled Carbon Nanotube Bundles. , 2003, , 45-72.		2
34616	Nanomechanical Imaging Of Multi-Walled Carbon Nanotubes. Materials Research Society Symposia Proceedings, 2003, 778, 5101.	0.1	0
34617	Field Emission Properties of Carbon Nanotubes Synthesized by High Temperature Arc Method and Low Temperature CVD Method. Materials Research Society Symposia Proceedings, 2003, 772, 9111.	0.1	1
34618	Transmission Electron Microscopy and Spectroscopy. , 2003, , 372-441.		0
34619	Silicon-Based Nanowires. , 2003, , 413-462.		0
34620	Cylindrical-Wave Method in Theory of Pristine and Metal-Doped Nanotubes and Nanowires. , 2003, , 409-452.		0
34621	Carbon Nanostructures Under the Electron Beam: Formation of New Structures and In-Situ Study of Radiation-Induced Processes. , 2003, , 137-162.		0
34622	Synthesis of Carbon Microcoils and Nanocoils on Various Substrates. Materials Research Society Symposia Proceedings, 2003, 775, 9211.	0.1	0

#	ARTICLE	IF	CITATIONS
34623	Semiconductor Nanowires. , 2003, , 878-942.		0
34624	Formation and Transistor Behavior of Carbon Nanotube T-junctions. Materials Research Society Symposia Proceedings, 2003, 772, 786.	0.1	0
34625	Growth and Field-Emission Properties of Well-Aligned Carbon Nanotubes by Direct Current Plasma Enhanced Chemical Vapor Deposition. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 412-415.	0.2	0
34626	Carbon Nanotube Bridges between Metal Nanoparticles Synthesized by Thermal Chemical Vapor Deposition. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 497-500.	0.2	0
34627	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 142-147.	0.2	0
34628	Nanomechanics: Physics between Engineering and Chemistry. ICASE/LaRC Interdisciplinary Series in Science and Engineering, 2003, , 3-33.	0.1	0
34629	ESR Study of Electrochemically Doped Chalcogenide Nanotubes. Materials Research Society Symposia Proceedings, 2003, 775, 9261.	0.1	1
34630	Large-Area Synthesis of Aligned Carbon Nanotubes by Surface-Wave-Excited Microwave-Plasma CVD. Shinku/Journal of the Vacuum Society of Japan, 2003, 46, 249-252.	0.2	0
34631	Ultra-small Single-walled Carbon Nanotubes and their Novel Properties. , 2003, , 135-141.		0
34632	Superconductivity in 4-Angstrom Carbon Nanotubes. , 2003, , 126-134.		0
34633	STORAGE AND SELECTIVITY OF METHANE AND ETHANE INTO SINGLE-WALLED CARBON NANTOUBES. , 2003, , .		0
34634	ACTIVATED CARBON MEMBRANE WITH CARBON WHISKER. , 2003, , .		0
34635	Review of Polymer Composities with Carbon Nanotubes. , 2003, , 413-454.		0
34636	Fabrication of Field Emission Device Using Carbon Nanotubes Synthesized by Thermal Chemical Vapor Deposition. Korean Journal of Materials Research, 2003, 13, 333-337.	0.2	0
34637	K1 Theory of electronic states and transport in carbon nanotubes. , 2003, , 17-26.		0
34638	Etching Characteristics of Au Thin Films using Inductively Coupled CF4/ Cl2/ Ar Plasma. Transactions on Electrical and Electronic Materials, 2003, 4, 1-4.	1.9	0
34639	Al2O3Nano-Coating by Atomic Layer Deposition. Transactions on Electrical and Electronic Materials, 2003, 4, 15-18.	1.9	4
34640	Al2O3Coating and Filling of Carbon Nanotubes. Transactions on Electrical and Electronic Materials, 2003, 4, 1-6.	1.9	0

#	ARTICLE	IF	CITATIONS
34641	The Memory Effects of a Carbon Nanotube Nanodevice. Transactions on Electrical and Electronic Materials, 2003, 4, 26-29.	1.9	0
34642	SUPERCONDUCTIVITY IN 4-ANGSTROM CARBON NANOTUBES. , 2003, , .		0
34643	Growth of ZnO Nanorod Using VS Method. Korean Journal of Materials Research, 2003, 13, 668-672.	0.2	1
34644	Title is missing!. Journal of Korean Powder Metallurgy Institute, 2003, 10, 353-359.	0.3	0
34645	â††â€f†âfâ,â,1â€ç/4çŠ¶â±•æœ». Electrochemistry, 2003, 71, 947-952.	1.4	0
34646	Simulation of the Strip Type CNT Field Emitter Triode Structure. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2003, 16, 1023-1028.	0.0	0
34647	Competitive Growth of Carbon Nanotubes versus Carbon Nanofibers. Journal of the Korean Ceramic Society, 2003, 40, 1150-1153.	2.3	0
34648	Field Emission Characteristics and Growth Analysis of Carbon Nanotubes by Plasma-enhanced Chemical Vapor Deposition. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2003, 16, 1248-1254.	0.0	0
34650	Molecular Electronics. , 2004, , 615-667.		0
34651	A Study on Mechanical Properties of MWNT/PMMA Nanocomposites. , 2004, , 766-771.		0
34652	Nanoscale Mechanical Properties â€“ Measuring Techniques and Applications. , 2004, , 661-685.		0
34653	Growth of Multiwall Carbon Nanotubes on Nickel-silicide Layers by Using Plasma-enhanced Chemical Vapor Deposition (P-CVD). Hyomen Kagaku, 2004, 25, 326-331.	0.0	1
34654	Fabrication of Carbon Nanotube Field Effect Transistors by Self-Assembly. , 2004, , 57-66.		1
34656	Molecular Structure. Advanced Texts in Physics, 2004, , 31-40.	0.5	0
34657	Growth Control of Carbon Nanotubes using the Laser Irradiation Effect. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 136-139.	0.2	0
34658	Synthesis of Carbon Nanotubes, Nanohorns and Fullerene-Like Particles by Arc Discharge in Liquid. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 841-846.	0.2	1
34659	Effect of charge on the stability of single-walled carbon nanotubes. Science in China Series G: Physics, Mechanics and Astronomy, 2004, 47, 685.	0.2	0
34660	Miscellaneous Semiconductors. Advanced Texts in Physics, 2004, , 476-492.	0.5	0

#	ARTICLE	IF	CITATIONS
34661	Nanoscale Mechanical Properties – Measuring Techniques and Applications. , 2004, , 661-685.		0
34663	Recent Advances In Carbon Nanotube Photonics. , 2004, , .		0
34664	Study on Ability of Multi-Walled Fulleren-Like Particles for Solid Lubricants. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2004, 12, 42-47.	0.0	1
34665	Application of Carbon Nanotubes for FED. Hyomen Kagaku, 2004, 25, 177-181.	0.0	1
34666	Development of Fabricating Method of Nanoscale Pit with High Aspect Ratio Using Carbon Nanotube Probe. Journal of the Japan Society for Precision Engineering Contributed Papers, 2004, 70, 867-871.	0.0	0
34667	έ»ç•Ææ”¾â†ºâf†â,â,1âf—âf¬â,â®âŸçŽă*â;œç”“. Kyokai Joho Imeji Zasshi/Journal of the Institute of Image Information and Television 58, 480-483.	0.1	0
34668	Study on Production of Carbon Nanosubstance by Arc Electric Discharge Method. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 550-554.	0.2	0
34669	Use of Catalysts in the Synthesis of Carbon Nanocoils. Hyomen Kagaku, 2004, 25, 332-338.	0.0	2
34670	Electron Transport in Carbon Nanotube Shuttles and Telescopes. , 2004, , 89-94.		0
34671	Defect and Carrier Dynamics in Nanotubes under Electronic Excitations: Time-Dependent Density Functional Approaches. , 2004, , 141-148.		0
34672	Sensor Technology for Scanning Probe Microscopy. Nanoscience and Technology, 2004, , 117-146.	1.5	0
34673	Field Emission Measurement and Evaluation by Field Ion Microscope of Carbon Nanotube. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 140-142.	0.2	0
34674	Nanotubes Go with the Flow. Physical Review Focus, 0, 13, .	0.0	0
34675	Effects of the Distribution of Nickel-Nitrate and the Substrate Temperature on the Synthesis of Multi-Walled Carbon Nanotubes. Transactions of the Korean Society of Mechanical Engineers, B, 2004, 28, 215-222.	0.1	1
34676	The effects of catalyst preparation techniques and synthesis temperature on the production of carbon nanotubes by the CVD method. , 2004, , 485-488.		0
34677	Nanofitas de Óxido de estanho: controle do estado de oxidação pela atmosfera de síntese. Ceramica, 2004, 50, 58-61.	0.8	0
34678	NH ₃ Gas Sensing Characteristics of Single-Walled Carbon Nanotubes and Heating Effect. Korean Journal of Materials Research, 2004, 14, 276-280.	0.2	0
34679	Josephson Current through a Metallic Carbon Nanotube in the Conductance-Quantization Regime. Journal of the Physical Society of Japan, 2004, 73, 1111-1114.	1.6	10

#	ARTICLE	IF	CITATIONS
34698	Synthesis of Carbon Nanomaterials in Organic Solutions by an Electric Plasma Discharge in Ultrasonic Cavitation Field. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2005, 13, 73-79.	0.0	0
34699	Synthesis of One-Dimensional Non-Covalently-Bonded Macromolecules by Self-Assembly of Peptide Bolaamphiphiles. Oleoscience, 2005, 5, 273-279.	0.0	0
34700	Numerical Simulation of Gas Phase Growth Environment of Carbon Nanotube Synthesis by Plasma-Enhanced Chemical Vapor Deposition. , 2005, , .		0
34701	Effect of DC Bias on Microwave Plasma Enhanced Chemical Vapor Deposition Synthesis of Single-Walled Carbon Nanotubes. , 2005, , .		1
34702	Electrical and Mechanical Properties of Nanotubes Determined Using In-situ TEM Probes. Nanoscience and Technology, 2005, , 273-306.	1.5	0
34703	DEVELOPMENT OF ARC DISCHARGE METHOD IN ORGANIC SOLVENTS FOR THE FORMATION OF DNA ENCAPSULATED CARBON NANOTUBES. , 2005, , 71-74.		0
34704	Carbon Nanotube Via Technologies for Future LSI Interconnects. Engineering Materials and Processes, 2005, , 315-326.	0.4	0
34705	Synthesis of Aligned Carbon Nanotubes by Inductively Coupled Plasma Chemical Vapor Deposition. Journal of Plasma and Fusion Research, 2005, 81, 660-664.	0.4	2
34706	Nanoscience and Quantum Physics for a Future Hydrogen Fuel Society. JPSJ News and Comments, 2005, 2, 07.	0.1	1
34707	Nanomanipulator Measurements of the Mechanics of Nanostructures and Nanocomposites. Nanoscience and Technology, 2005, , 307-337.	1.5	1
34708	Analytical Model of Heat Conduction in a Tubular Geometry With Application to a Nano-Structured Thermal Interface. , 2005, , .		0
34709	Process of Carbon Nanotube Probe by Pulling Method. Journal of the Japan Society for Precision Engineering Contributed Papers, 2005, 71, 267-272.	0.0	0
34710	Preparation of Carbon and Organic Nanomaterials with Laser Beams. The Review of Laser Engineering, 2005, 33, 24-28.	0.0	0
34711	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2005, 48, 51-56.	0.2	0
34712	Quantum Jewels in Carbon Nanotubes. JPSJ News and Comments, 2005, 2, 03.	0.1	0
34713	Low Temperature Synthesis of Aligned Carbon Nanotubes by Direct Current Plasma Chemical Vapor Deposition. Shinku/Journal of the Vacuum Society of Japan, 2005, 48, 193-195.	0.2	1
34715	Growth of SiO ₂ Nanowire by Catalyst Evaporation Method. Korean Journal of Materials Research, 2005, 15, 189-194.	0.2	0
34716	Synthesis and Characterization of CNTs/Metal/Al ₂ O ₃ Nanocomposite Powders by Thermal CVD. Journal of Korean Powder Metallurgy Institute, 2005, 12, 146-150.	0.3	0

#	ARTICLE	IF	CITATIONS
34717	Carbon Nanofiber and Carbon Nanotube/ Polymer Composite Fibers and Films. , 2005, , .		0
34718	Enhancement of the Mechanical Strength of Polymer-Based Composites Using Carbon Nanotubes. , 2005, , .		0
34719	Polarization in Nanotubes and Nanotubular Structures. , 2005, , .		0
34720	Synthesis of Boron Nitride Nanotubes Using a Ball-Milling and Annealing Method. , 2005, , 211-241.		0
34721	Nanoscale Intelligent Materials and Structures. , 2005, , .		0
34722	Enhancement of the Mechanical Strength of Polymer-Based Composites Using Carbon Nanotubes. , 2005, , 375-394.		0
34723	Cyclic Polyynes. , 2005, , 99-126.		0
34724	Plasma Deposition of Ultra-Thin Functional Films on Nanoscale Materials. , 2005, , .		0
34725	Design of Nanostructured Materials. , 2005, , .		0
34726	Detergent Enzymes. , 2005, , 673-684.		0
34727	Modeling of Structure and Growth Rate of Carbon Nanotubes in Flame Synthesis. , 2006, , .		0
34728	Effects of Surface Treatment on Field Emission Properties for Carbon Nanotube Cathodes. Korean Journal of Materials Research, 2006, 16, 37-43.	0.2	0
34729	Fullerene/carbon nanotube (CNT) composites. , 2006, , 359-388.		1
34730	Chapter 4 Use of tip-enhanced vibrational spectroscopy for analytical applications in chemistry, biology, and materials science. Advances in Nano-optics and Nano-photonics, 2006, , 115-155.	0.0	0
34731	Boron Nitride Nanotubes. , 2006, , .		0
34732	Inorganic Nanotubes and Fullerene- Like Materials of Metal Dichalcogenide and Related Layered Compounds. , 2006, , .		2
34733	Graphite Whiskers, Cones, and Polyhedral Crystals. , 2006, , .		2
34734	Preparation of monolithic nanocrystalline ceramics. , 2006, , 177-218.		0

#	ARTICLE	IF	CITATIONS
34737	Carbon-Based Nanostructures Through Laser Interaction with Reactive Gaseous Mixtures. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , 403-406.	0.1	0
34738	Strength and Fracture of a Multifunctional Polystyrene Nanocomposite. , 2006, , .		0
34739	Boron Nitride Nanotubes: Synthesis and Structure. , 2006, , 357-378.		0
34741	Development of Fabrication Method of High Aspect Ratio Nanoscale Pit Using Carbon Nanotube Probe. Journal of the Japan Society for Precision Engineering Contributed Papers, 2006, 72, 116-120.	0.0	0
34742	Chapter 5 Tip-enhanced optical spectroscopy of single-walled carbon nanotubes. Advances in Nano-optics and Nano-photonics, 2006, , 157-175.	0.0	0
34743	Development of single walled-carbon nanotubes based pH sensor using ultra-precision spray method. Journal of Sensor Science and Technology, 2006, 15, 127-133.	0.2	0
34744	Boron Nitride Nanotubes. Advanced Materials and Technologies, 2006, , 157-177.	0.4	4
34745	Graphite Whiskers, Cones, and Polyhedral Crystals. Advanced Materials and Technologies, 2006, , 109-134.	0.4	0
34746	Strain Sensors Using Carbon Nanotube Composites. Transactions of the Korean Society for Noise and Vibration Engineering, 2006, 16, 762-768.	0.4	1
34747	ã,«ãf1/4ãfœãf3ãfŠãfŽãf¥ãf1/4ãf–ã®ã^†æ•£æŠ€è¡“ã¨è©•ã¾¼¡. Seikei-Kakou, 2006, 18, 646-652.	0.0	0
34748	Effect of Photosensitive Carbon Nanotube Paste on Field Emission Properties. Korean Journal of Materials Research, 2006, 16, 550-556.	0.2	0
34749	Synthesis of Carbon Nanotubes by Chemical Method at Warm Temperatures. Journal of Korean Powder Metallurgy Institute, 2006, 13, 305-312.	0.3	0
34750	Global Optimization of 1- and 2-Dimensional Nanoscale Structures. , 2006, , 332-349.		0
34752	Controlled Synthesis of Carbon Nanotubes Using Chemical Vapor Deposition Methods. , 2006, , 79-106.		0
34753	Surface-Programmed Assembly for Nanomanufacturing. , 2006, , 33-54.		0
34754	Improved Carbon Materials for Nanomanufacturing Applications. , 2006, , 281-312.		0
34756	Design Guidance of Jig/Fixture for Flexible Manufacturing System. Transactions of the Korean Society of Mechanical Engineers, A, 2007, 31, 1-10.	0.2	0
34757	Nanorobotics. , 2007, , 1545-1574.		0

#	ARTICLE	IF	CITATIONS
34758	Investigating Individual Carbon Nanotube/Polymer Interfaces with Scanning Probe Microscopy. Nanoscience and Technology, 2007, , 287-323.	1.5	0
34759	Low-Energy Physical Properties of Edge States in Nanographite Systems. Springer Series in Solid-state Sciences, 2007, , 103-149.	0.3	0
34760	Tip-enhanced optical spectroscopy of single-walled carbon nanotubes. , 2007, , 157-175.		0
34761	Experimental Study on Thermophysical Properties of Nanotubes and Nanofluids. , 2007, , .		0
34762	Photoexcitation Dynamics on the Nanoscale. Springer Series in Chemical Physics, 2007, , 5-30.	0.2	0
34763	Synthesis of Singlewalled and Doublewalled Carbon Nanotubes by Hot-Filament CVD Using Alcohol as Carbon Source. Hyomen Kagaku, 2007, 28, 91-96.	0.0	1
34764	Nanoscale Mechanical Properties – Measuring Techniques and Applications. , 2007, , 1107-1136.		0
34765	Improvement of the Carbon Nanotube Tip by Focused Ion Beam and its Performance Evaluation. Transactions of the Korean Society of Mechanical Engineers, A, 2007, 31, 139-144.	0.2	1
34766	In-situ Observation of CVD Growth of Carbon Nanotubes with a Scanning Electron Microscope. Hyomen Kagaku, 2007, 28, 97-103.	0.0	0
34767	Self-Assembled Organic Nanotubes. , 2007, , .		0
34768	Cellular Interfacing with Arrays of Vertically Aligned Carbon Nanofibers and Nanofiber-Templated Materials. , 2007, , 421-442.		0
34769	My Quest for Nano-Carbons. Molecular Science, 2007, 1, A0008.	0.2	3
34770	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2007, 50, 76-81.	0.2	0
34771	Applications of Carbon Nanotubes in Bio-Nanotechnology. , 2007, , 439-475.		0
34772	Systèmes hâtes nanométriques : les nanotubes de carbone. École Thématique De La Société Française De La Neutronique, 2007, 12, 161-177.	0.2	0
34773	Chapter 44. Nano and Mesoporous Materials: A Study by HREM. , 2007, , 727-744.		0
34774	Study of Surface Treatments on Field Emission Properties for Triode-Type Carbon Nanotube Cathodes. Korean Journal of Materials Research, 2007, 17, 173-178.	0.2	0
34775	Controlled Processes for Growth of Carbon Nanotube Structures. , 2007, , 1-13-1-13.		0

#	ARTICLE	IF	CITATIONS
34777	Nanoelectronic Circuit Architectures. The Electrical Engineering Handbook, 2007, , 6-1-6-15.	0.2	4
34778	The Study of Electron Properties of Carbon Nanotubes Deposited on Highly Orientated Pyrolytical Graphite Using Scanning Probe Spectroscopy. Acta Physica Polonica A, 2007, 111, 661-669.	0.5	0
34780	Mechanics of Carbon Nanotubes1. The Electrical Engineering Handbook, 2007, , 23-1-23-63.	0.2	0
34781	Fabrication of CNT Field Effect Transistor. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2007, 20, 389-393.	0.0	0
34783	Mechanics of Carbon Nanotubes1. , 2007, , 751-814.		0
34784	Textile Nanotechnologies. The Electrical Engineering Handbook, 2007, , 21-1-21-66.	0.2	1
34786	Properties of CNT field effect transistors using top gate electrodes. Journal of Sensor Science and Technology, 2007, 16, 313-318.	0.2	0
34787	Compressive and Torsional Buckling Behavior of Carbon Nanotube Bundles. Transactions of the Korean Society of Mechanical Engineers, A, 2007, 31, 862-869.	0.2	1
34790	Pressure sensing of air flow using multi-walled carbon nanotubes. Journal of Sensor Science and Technology, 2007, 16, 377-383.	0.2	0
34794	Influence of Hydrogen and Oxygen Plasma Treatment on the Structural Properties of Carbon Nanotubes. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2007, 20, 943-947.	0.0	0
34795	Materials for Proton Exchange Membrane Fuel Cells. , 2007, , 251-309.		1
34796	Numerical Simulation and Characterization of Press Molding of Thermo-Plastic Resin Reinforced by Carbon Nanofiber. Zairyo/Journal of the Society of Materials Science, Japan, 2008, 57, 814-819.	0.2	0
34797	ã,«ãf1/4ãfœãf3ãfŠãfŽç2'ãã©ç"Yæ^ã«ã,Žãã,ç'«ã—ç.šãããŠ1æžœããfŠãfŽç2'ããã1/4•ã° è©•ã3/4;. Journal of the Vacuum Society of Japan		0
34798	Chapter 1. Carbon-Nanotube-Network Sensors. , 2008, , 1-28.		0
34799	129I-MÃssbauer study of iodine-doped open- and closed-end single-walled carbon nanotube. , 2008, , 351-356.		0
34800	Catalytic Carbon Submicron Fabrication Using Home-Built Very-High Frequency Plasma Enhanced Chemical Vapour Deposition. ITB Journal of Science, 2008, 40, 166-181.	0.1	0
34801	On Small Particles and Old Articles - An Exploration of Legal and Regulatory Issues of Nanotechnologies. SSRN Electronic Journal, 0, , .	0.4	0
34802	ã,«ãf1/4ãfœãf3ãfŠãfŽãfãfãf1/4ãf—ããè£1/2æ3•ããé£2ã±•ããæ^é•æ©Yæ\$ç. Journal of the Vacuum Society of Japan, 2008, 51, 235-239.		0

#	ARTICLE	IF	CITATIONS
34803	Prospective Terahertz Applications of Carbon Nanotubes. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 81-93.	0.3	0
34804	Toward a Flexible and Portable CT Scanner. Lecture Notes in Computer Science, 2008, 11, 188-195.	1.3	3
34805	Experiments of Creating Carbon Nanotubes in Liquid Helium. Transactions of the Materials Research Society of Japan, 2008, 33, 961-964.	0.2	0
34806	Nanocarbon and laser. The Review of Laser Engineering, 2008, 36, P4-P7.	0.0	0
34807	Physical Properties of GaN Nanotubes as Revealed by Computer Simulation. , 2008, , 97-126.		0
34808	Testing Aspects of Nanotechnology Trends. , 2008, , 791-831.		1
34809	High-Resolution Transmission Electron Microscopy for Nanocharacterization. Nanostructure Science and Technology, 2008, , 414-503.	0.1	0
34810	Nano Robotic Manipulation inside Electron Microscopes. SICE Journal of Control Measurement and System Integration, 2008, 1, 40-50.	0.7	0
34811	Pharmacological Applications of Biocompatible Carbon Nanotubes and Their Emerging Toxicology Issues. Carbon Materials, 2008, , 283-316.	1.2	1
34812	Transmission line models for high-speed conventional interconnects and metallic carbon nanotube interconnects. WIT Transactions on State-of-the-art in Science and Engineering, 2008, , 187-220.	0.0	3
34813	Study on enhanced electron emission current of carbon nanotube by thermal and HF treatments. Applied Science and Convergence Technology, 2008, 17, 90-95.	0.9	1
34815	Processing of Biosensing Materials and Biosensors. , 2008, , 401-453.		0
34816	A Study on the Thermal Properties of CNT reinforced Semiconductive Shield Materials Used in Power Cables. Journal of Electrical Engineering and Technology, 2008, 3, 115-120.	2.0	0
34817	Growth of Vertically Aligned CNTs with Ultra Thin Ni Catalysts. Transactions on Electrical and Electronic Materials, 2008, 9, 62-66.	1.9	0
34818	Effect of Surface Morphology and Adhesion Force on the Field Emission Properties of Carbon Nanotube Based Cathode. Korean Journal of Materials Research, 2008, 18, 277-282.	0.2	0
34819	Fiber-Reinforced Elastomers. , 2008, , .		1
34820	Study of the Mechanical, Thermal and Electronic Properties of Nanoscale Materials. Transactions of the Materials Research Society of Japan, 2008, 33, 227-231.	0.2	0
34821	Transporting and Separating Molecules Using Tailored Nanotube Membranes. , 2008, , 693-708.		0

#	ARTICLE	IF	CITATIONS
34822	Hydrogen Storage in Carbon Materials. , 2008, , 409-436.		7
34823	Etching Treatment of Vertically Aligned Carbon Nanotubes for the Application to Biosensor. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2008, 21, 594-598.	0.0	0
34825	Preparation and Characterization of Carbon Nanotubes/ZnS composite. Wujì Cailiao Xuebao/Journal of Inorganic Materials, 2008, 23, 491-495.	1.3	2
34826	Electron Microscopy of Multi-walled Carbon Nanotubes for Display Devices Application. Defence Science Journal, 2008, 58, 655-663.	0.8	0
34827	Carbon Nanotube and Fullerene Sensors. , 2009, , 1-18.		0
34828	Controlled Growth of Multi-walled Carbon Nanotubes Using Arrays of Ni Nanoparticles. Applied Science and Convergence Technology, 2008, 17, 473-480.	0.9	0
34829	Multi-walled Carbon Nanotube-Reinforced Hydroxyapatite Coating on Ti Substrates by Aerosol Deposition. Journal of the Korean Ceramic Society, 2008, 45, 610-617.	2.3	1
34830	Effect of Water Content on Encapsulation of SWNTs and Hydrophobic Dyes within PS-b-PAA Block Copolymer Micelles. Bulletin of the Korean Chemical Society, 2008, 29, 2047-2050.	1.9	0
34831	Preparation and Characterization of Carbon Nanofiber from Liquid Phase Carbon Source. Korean Journal of Materials Research, 2008, 18, 564-570.	0.2	1
34832	One-Dimensional Electrically Conducting Polymeric Nanostructures. , 2008, , 3243-3250.		0
34833	Nanostructured Catalysts. , 2008, , 2974-2985.		0
34834	A Reliable Field Emission Performance of Double-Walled Carbon Nanotube Field Emitters. Applied Science and Convergence Technology, 2008, 17, 566-575.	0.9	2
34837	Quantum Dots. , 2008, , 3634-3660.		0
34838	Porous Alumina Templates for Nanofabrication. , 2008, , 3525-3538.		0
34839	Fundamentals of Photoemission from Quantum Wells in Ultrathin Films and Quantum Well Wires of Various Nonparabolic Materials. Nanostructure Science and Technology, 2009, , 37-106.	0.1	0
34840	Alternative approaches to structure description. , 2009, , 173-214.		0
34841	Carbon Nanotube-Bio Interface. Hyomen Kagaku, 2009, 30, 202-206.	0.0	0
34842	Molecular Dynamics Approach for the Effect of Metal Coating on Single-Walled Carbon Nanotube. , 2009, , 231-240.		1

#	ARTICLE	IF	CITATIONS
34843	Mechanical properties of rubber composites with cup-stacked carbon nanotubes. Tanso, 2009, 2009, 151-155.	0.1	0
34845	The Einstein Relation in Quantum Wires of Compound Semiconductors. Springer Series in Materials Science, 2009, , 197-233.	0.6	0
34846	Designing novel carbon nanostructures for hydrogen storage. SPIE Newsroom, 2009, , .	0.1	0
34847	Fabricating Carbon Nanotube Network with Different Growth Density on Distinctive Fissure Structure Formed by Dried Ferroin Solution. E-Journal of Surface Science and Nanotechnology, 2009, 7, 586-590.	0.4	0
34848	Linear Augmented Cylindrical Wave Method for Electronic Structure of Isolated, Embedded, and Double-Walled Nanotubes. NATO Science for Peace and Security Series A: Chemistry and Biology, 2009, , 135-169.	0.5	0
34849	Geometric PhaseGeometric phase and Related Phenomena in Quantum Nanosystems. , 2009, , 4194-4209.		0
34850	Prediction of Damage Propagation and Failure of Composite Structures (Without Testing). , 2009, , 321-356.		0
34851	Synthesis of Nanomaterials and Nanocomposites with Complex Shapes through Arc Discharge in Foam. E-Journal of Surface Science and Nanotechnology, 2009, 7, 195-198.	0.4	4
34852	Stability of Compressed Carbon Nanotubes Using Shell Models. , 2009, , 357-363.		0
34853	Dimensional reduction in inorganic oxysalts. , 2009, , 215-226.		0
34854	Composite powders coated with un-bundled CNTs and their application. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2009, 17, 55-60.	0.0	0
34855	A Study on Nano-Accelerometer based on Carbon Nanotube. Journal of the Korea Academia-Industrial Cooperation Society, 2009, 10, 91-95.	0.1	1
34857	Nanofibrous Membrane with Functionalized Surface. Advanced Topics in Science and Technology in China, 2009, , 306-328.	0.1	0
34858	Molecular Dynamics Study on Carbon Nanotubes Sandwiched between Si Surface. , 2009, , 558-559.		0
34859	Structure modification of carbon nanotube powder and film by laser shock peening process. , 2009, , .		0
34860	Laser Desorption/Ionization Using Surface of dispersed Single Wall Carbon Nanotubes. E-Journal of Surface Science and Nanotechnology, 2009, 7, 546-548.	0.4	0
34861	Topology of framework structures in inorganic oxysalts. , 2009, , 94-162.		0
34862	Field Emission of Carbon Nanotubes. , 2009, , 588-617.		1

#	ARTICLE	IF	CITATIONS
34863	Study of carbon nano-materials through the defluorination method from fluorine resin. Tanso, 2009, 2009, 22-25.	0.1	0
34864	Electromechanical and Chemical Sensing at the Nanoscale: DFT and Transport Modeling. , 2009, , 47-69.		0
34865	Carbon Nanotubes, Thermo-mechanical and Transport Properties of. , 2009, , 689-703.		0
34866	Graph theory applied to low-dimensional structural units in inorganic oxysalts. , 2009, , 6-93.		0
34867	Anion-topology approach. , 2009, , 163-172.		0
34868	Passively mode-locked self-starting Cr:forsterite laser using a carbon nanotube saturable absorber. , 2009, , .		0
34869	Emerging Nanoscale Interconnect Processing Technologies: Fundamental and Practice. , 2009, , 505-530.		0
34870	New Ventures. , 2009, , 209-236.		0
34871	Chemical Reactivity. , 2009, , .		0
34872	Temperature-dependent Resistance Change of Conductive CNT Thin-film. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2009, 22, 151-157.	0.0	2
34873	Relative Content Evaluation of Single-walled Carbon Nanotubes using UV-VIS-NIR Absorption Spectroscopy. Carbon Letters, 2009, 10, 9-13.	5.9	1
34874	Amino Silane, Vinyl Silane, TESPD, ZS(TESPD/Zinc Complex) Effects on Carbon Black/Clay Filled Chlorobutyl Rubber(CIIR) Compounds Part II: Effects on Soft Clay/Carbon Black Filled Compounds. Carbon Letters, 2009, 10, 109-113.	5.9	7
34876	Fundamental Study of CNTs Fabrication for Charge Storable Electrode using RF-PECVD System. Journal of the Korean Institute of Illuminating and Electrical Installation Engineers, 2009, 23, 8-13.	0.0	0
34877	Nanomaterials Formulation and Toxicity Impact. , 2009, , 291-359.		0
34878	Processing, Properties, and Flow Behavior of CarbonNanofiber-Based Polymeric Nanocomposites. , 2009, , 23-55.		0
34881	Low Temperature Growth of High-Quality Carbon Nanotubes by Local Surface Joule Heating without Heating Damage to Substrate. Carbon Letters, 2009, 10, 230-233.	5.9	0
34883	Effect of Pb and Cd on the Iron Solute in Blood (Chalcalburnus chalcoides). Journal of Fisheries and Aquatic Science, 2009, 4, 323-329.	0.1	0
34884	Fabrication and Growth Mechanism of Zn_{1-x}Cd_x/O Nanotubes by Thermal Evaporation Method. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2009, 24, 998-1002.	1.3	0

#	ARTICLE	IF	CITATIONS
34885	SOLUBILITY IMPROVEMENT AND SURFACE FUNCTIONALIZATION OF MULTI-WALLED CARBON NANOTUBES BY A THIOL-FUNCTIONALIZED POLY(PHENYLACETYLENE) DERIVATIVE. Acta Polymerica Sinica, 2009, 007, 897-900.	0.0	0
34886	Graphene: a fascinating material. Indian Journal of Science and Technology, 2009, 2, 74-78.	0.7	3
34887	Computational Nanomechanics of Quasi-one-dimensional Structures in a Symmetry-Adapted Tight Binding Framework. Engineering Materials, 2010, , 29-55.	0.6	0
34888	Nanotubes. Lecture Notes in Physics, 2010, , 143-169.	0.7	9
34890	Unusual Scaling Observations in the Quality Factors of Cantilevered Carbon Nanotube Resonators. , 2010, , .		0
34891	Introduction to Inorganic and Metallic Nanotubes. Topics in Applied Physics, 2010, , 1-16.	0.8	1
34892	Optical Properties of CNT Arrays Growth in Porous Anodic Alumina Templates. International Journal of Current Engineering and Technology, 2013, 2, 325-329.	0.1	0
34893	Graphene and Carbon Nanotubes. Graduate Texts in Physics, 2010, , 465-479.	0.2	0
34894	Boron/nitrogen pairs doping in armchair single-walled carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2010, 59, 4186.	0.5	4
34895	Structural stability and field emission properties of carbon nanotubes doped by a boron atom and adsorbed with several H2O molecules. Wuli Xuebao/Acta Physica Sinica, 2010, 59, 4950.	0.5	3
34896	Carbon Nanotube Synthesis by Arc Discharge in Water Using Metal Cathodes. E-Journal of Surface Science and Nanotechnology, 2010, 8, 203-206.	0.4	4
34897	Characteristics of Powder Metallurgy Sintered Metal Matrix Composite Reinforced with Carbon Nanotubes. Journal of High Temperature Society, 2010, 36, 110-115.	0.1	0
34898	Fabrication of Carbon Nanofiber-dispersed Ceramic Composites and their Properties. Journal of the Society of Powder Technology, Japan, 2010, 47, 472-480.	0.1	0
34899	Chapter 3. Fullerenes, the Building Blocks. RSC Nanoscience and Nanotechnology, 2010, , 109-181.	0.2	0
34900	Computational Study of Compressive Loading of Carbon Nanotubes. Lecture Notes in Computer Science, 2010, , 25-43.	1.3	1
34901	Nanoporous Template Synthesized Nanotubes for Bio-related Applications. Advanced Topics in Science and Technology in China, 2010, , 165-200.	0.1	0
34902	Electronic Properties of Graphite and Single Walled Carbon Nanotubes- A DFT Study. The Internet Journal of Nanotechnology, 2010, 3, .	0.0	0
34903	10.1007/s11448-008-1012-x. , 2010, 87, 50.		0

#	ARTICLE	IF	CITATIONS
34904	Microwave absorbing properties of composite coating by carbon nanotube and nanoscaled tetrapod-shaped ZnO. Wuli Xuebao/Acta Physica Sinica, 2010, 59, 1946.	0.5	7
34905	Band structures of strain-deformed BC3 nanotubes. Wuli Xuebao/Acta Physica Sinica, 2010, 59, 4194.	0.5	0
34906	Nanorobotics. , 2010, , 1633-1659.		2
34907	The Prospect and Challenges of CNFET Based Circuits: A Physical Insight. Lecture Notes in Electrical Engineering, 2010, , 99-123.	0.4	0
34908	An Automatic Measurement Algorithm for the Diameters of Carbon Nanotubes by Using Image Processing. , 2010, , 275-280.		0
34909	Phonons et vibrations dans les fullerènes, les nanotubes de carbone et leurs composés. , 2010, , .		0
34910	Covalently Linked Deoxyribonucleic Acid with Multi-walled Carbon Nanotubes: Synthesis and Characterization. Methods in Molecular Biology, 2010, 625, 19-26.	0.9	0
34911	Thermoelectric Power in Ultrathin Films and Quantum Wires Under Large Magnetic Field. Springer Series in Materials Science, 2010, , 95-144.	0.6	0
34913	Thermal management by using high thermal conductivity copper with un-bundled CNTs. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2010, 18, 56-61.	0.0	0
34914	First principles study of electronic properties of carbon/silicon carbide nanotube heterojunction. Wuli Xuebao/Acta Physica Sinica, 2010, 59, 7961.	0.5	0
34915	Syntheses of Carbon Nanomaterials Using Arc Discharge in Liquid. Journal of High Temperature Society, 2010, 36, 178-184.	0.1	0
34916	Magnetic Properties of Nanowires guided by Carbon Nanotubes. , 0, , .		2
34918	Improved Characteristics of Carbon Nanotube Transparent Electrode Films Using Acid Treatments. Korean Journal of Materials Research, 2010, 20, 51-54.	0.2	2
34920	Hydrogen sensor of SWNT-PdOxsystem using the vacuum filtering deposition method. Journal of Sensor Science and Technology, 2010, 19, 87-91.	0.2	0
34921	Nanotubular Structures of Oxides and Their Applications. Applied Science and Convergence Technology, 2010, 19, 105-113.	0.9	0
34922	A Novel Synthesis and Photonic Effect of Fe-CNT/TiO2Composites by Controlling of Carbon Nanotube Amounts. Korean Journal of Materials Research, 2010, 20, 117-124.	0.2	3
34923	Effect of Polymer Wrapping on the Properties of ABS/MWNT Nanocomposites. Textile Coloration and Finishing, 2010, 22, 37-42.	0.0	0
34924	Carbon Nanotubes Interconnects for Nanoelectronics Circuits. , 0, , .		3

#	ARTICLE	IF	CITATIONS
34925	Functionalization of Carbon Nanotubes with Luminescent Silicon Nanocrystals upon Nanosecond Laser Processing in Liquid Media. , O, , .		0
34926	STUDY ON POLYMER SHEATHING ON MULTI-WALL CARBON NANOTUBES. Acta Polymerica Sinica, 2010, 006, 588-592.	0.0	0
34927	Amperometric Choline Biosensor Based on Dispersion of Multi-walled Carbon Nanotubes in Poly(diallyldimethylammonium chloride) via Layer-by-Layer Assembly Technique. Chinese Journal of Analytical Chemistry, 2010, 38, 337-341.	1.7	1
34928	Effect of Ammonia Gas on Growth of Chemically Vapor-Deposited Carbon Nanotubes. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2010, 23, 418-423.	0.0	0
34929	Growth of Nano Structure Bi ₂ Te ₃ Films using Modified MOCVD Technique. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2010, 23, 497-501.	0.0	0
34930	Fabrication of various carbon nanostructures by using different catalysts. Journal of the Korean Crystal Growth and Crystal Technology, 2010, 20, 133-140.	0.3	3
34931	The Fundamentals of Hard and Superhard Nanocomposites and Heterostructures. , 2010, , 13-46.		0
34932	Toughness and Toughening of Hard Nanocomposite Coatings. , 2010, , 99-145.		1
34933	Nanotubes and Their Applications in Telecommunications. , 2010, , 75-116.		0
34935	Nano-to-Meter-Scale Automated Building. , 2010, , .		0
34936	Application of a Carbon Nanotube-based Filter for Lunar Dust Abatement. , 2010, , .		0
34939	Dispersibility of multi-walled carbon nanotubes functionalized with butyl and hexyl group. Journal of the Korea Academia-Industrial Cooperation Society, 2010, 11, 2713-2718.	0.1	2
34941	Preparation and Formation Mechanism of Al ₂ O ₃ Nanowires by Electrochemical Oxidation Process. Wujì Cailiao Xuebao/Journal of Inorganic Materials, 2010, 25, 851-856.	1.3	0
34944	The Effect of Electrical Characteristics and Electrode Shape on Alignment of Multi-walled Carbon Nanotubes. Journal of Korean Powder Metallurgy Institute, 2010, 17, 326-335.	0.3	0
34946	Carbon Nanomaterials from Carbon Monoxide Using Nickel and Cobalt Catalysts. Acta Physica Polonica A, 2010, 118, 471-474.	0.5	3
34948	Nitrogenated Carbon Nanotubes: Methods of Fabrication, Properties, and Prospect of Application. Progress in Physics of Metals, 2010, 11, 369-411.	1.5	1
34949	The Physical Property of MWNT/PU Composite Films. Textile Coloration and Finishing, 2010, 22, 246-256.	0.0	4
34950	Mechanical Properties of Elastomeric Composites with Atmospheric-Pressure Flame Plasma Treated Multi-Walled Carbon Nanotubes and Carbon Black. Transactions of the Korean Society of Mechanical Engineers, A, 2010, 34, 1209-1215.	0.2	3

#	ARTICLE	IF	CITATIONS
34951	Hierarchical PANI/MWCNT Nanocomposite: Synthesis, Characterization and Gas Sensing Properties. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2010, 25, 1092-1098.	1.3	0
34952	Carbon Nanotube-Based Orthopedic Implant Sensors. , 2011, , 139-160.		0
34953	Flame Retardant Polymer Nanocomposites. , 2010, , 309-336.		0
34954	Carbon-Nanotube-Based Composites and Damage Sensing. , 2010, , 159-281.		3
34956	Carbon-Nanotube-Based LbL Assembly. , 2010, , 1-33.		0
34957	Analytic study on lead and cadmium in copper contained carbon materials. Journal of the Korean Crystal Growth and Crystal Technology, 2010, 20, 307-313.	0.3	0
34958	Surface Modification of Carbon Nanotubes (CNTs) for Composites. , 2010, , 389-421.		0
34959	Characterization of the ultrasonically treated multiwalled carbon nanotubes for safety evaluation. Transactions of the Materials Research Society of Japan, 2011, 36, 355-358.	0.2	0
34960	Biological Effects of Industrial Nanomaterials (the first part). Nishinohon Journal of Dermatology, 2011, 73, 392-401.	0.0	0
34961	Nanowelding of contact between carbon nanotubes and gold electrodes. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 066103.	0.5	1
34962	Theoretical research on the electronic structure and transport properties of nitrogen doping chiral carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 027307.	0.5	4
34963	Geometrical Model Based Refinements in Nanotube Chiral Indices. World Journal of Nano Science and Engineering, 2011, 01, 45-50.	0.3	2
34964	Field Emission Characteristics of Double-walled Carbon Nanotubes Related with Hydrochloric Acid Treatment. Applied Science and Convergence Technology, 2011, 20, 70-76.	0.9	0
34965	Thermal Transport Across Carbon Nanotube Connected by Molecular Linkers. , 2011, , .		0
34966	Helicity effects on Rh adsorption behavior inside and outside the single-wall carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 087102.	0.5	2
34967	Quality Control of Raw Materials. , 2011, , 1007-1029.		1
34968	Morphology and Size of Ion Induced Carbon Nanofibers: Effect of Ion Incidence Angle, Sputtering Rate, and Temperature. Japanese Journal of Applied Physics, 2011, 50, 01AF10.	1.5	1
34969	Biomedical Applications VI. , 2011, , 185-221.		0

#	ARTICLE	IF	CITATIONS
34970	Effects of nitrogen in Stone-Wales defect on the electronic structure and optical property of single-wall carbon nanotube. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 077209.	0.5	2
34971	Theoretical investigation on electron transport properties of singlewall carbon nanotube with oxygen molecular absorption. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 068501.	0.5	0
34972	Dynamic buckling of double-walled carbon nanotubesunder axial impact loading. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 096202.	0.5	1
34973	Energies, electronic structures and magnetic properties of Ni atomic chain encapsulated in carbon nanotubes: a first-principles calculation. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 078801.	0.5	2
34974	Synthesis, Processing, and Manufacturing of Components, Devices, and Systems. , 2011, , 109-158.		1
34975	Dye Decolorization and Dissolved Oxygen Properties of Sodium Alginate/Carbon Nanotubes Microsphere to Methyl Orange. Hans Journal of Chemical Engineering and Technology, 2011, 01, 29-34.	0.0	0
34976	Smart Composites for Durable Infrastructures â€” Importance of Structural Health Monitoring (SHM). , 2011, , 264-267.		0
34977	How fibrous particulate materials cause diseases: A review on the mechanisms of mesotheliomagenesis. Transactions of the Materials Research Society of Japan, 2011, 36, 47-50.	0.2	0
34978	Syntheses of Nano Materials by Discharge Plasma in Liquid. Journal of the Institute of Electrical Engineers of Japan, 2011, 131, 84-87.	0.0	1
34979	Application of Carbon Nanotubes to Nylon Composite. Japanese Journal of Applied Physics, 2011, 50, 01AF04.	1.5	0
34980	Electrically Conductive Nanocomposite Coating for Strain and Health Monitoring. , 2011, , 260-263.		0
34981	Electronic energy band structures of carbon nanotubeswith spin-orbit coupling interaction. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 075202.	0.5	0
34982	A density functional theory study of absorption behavior of CO on Au-doped single-walled carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 106102.	0.5	0
34983	Theoretical study on the ultra long armchair (n,n) single walled carbon nanotubes with first principle density functional theory. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 098111.	0.5	2
34984	Study on the structure of water chain encapsulated in carbon nanotube by density functional theory. Wuli Xuebao/Acta Physica Sinica, 2011, 60, 012101.	0.5	2
34985	Other Crystalline Forms. Springer Series in Materials Science, 2011, , 561-609.	0.6	0
34986	Efficient Mechanical Method for Manufacturing Homogenous Carbon Nanosheets. , 2011, , 35-38.		0
34987	Micro and Nanotechnologies for Tissue Engineering. , 2011, , 139-178.		1

#	ARTICLE	IF	CITATIONS
34988	Study on Formation of FePd Nano-dot Using Agglomeration of Fe/Au Bilayer. Applied Science and Convergence Technology, 2011, 20, 7-13.	0.9	1
34989	Aberration-Corrected Electron Microscopy for Nanocarbon Materials. Journal of the Vacuum Society of Japan, 2011, 54, 264-269.	0.3	0
34990	Synthesis and Mechanism of Micron-level Hollow Carbon Rosary Structures. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2011, 26, 139-144.	1.3	0
34991	Measurement of Contractile Activity in Small Animal's Digestive Organ by Carbon Nanotube-Based Force Transducer. Japanese Journal of Applied Physics, 2011, 50, 030210.	1.5	1
34993	Fabrication of Ion-Induced Carbon Nanocomposite Fibres and their Application to Magnetic Force Microscope Probes. , 0, , .		2
34994	Thermoelectric Properties of Bi ₂ Te ₃ Films Grown by Modified MOCVD with Substrate Temperatures. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2011, 24, 340-344.	0.0	0
34995	Simulation Studies on Structural Behaviour of Single-Walled Carbon Nanotubes - using Finite Element Analysis Technique. Material Science Research India, 2011, 8, 173-180.	0.7	0
34996	Fabrication and Characteristics of Nanoscale Stacked-Tunneling-Junctions on Graphite Flake Using Focused Ion Beam. Japanese Journal of Applied Physics, 2011, 50, 06GE06.	1.5	0
35000	Wear Properties of Cu-CNT Nanocomposites. , 0, , .		1
35001	Spin Dependent Transport through a Carbon Nanotube Quantum Dot in the Kondo Regime. , 0, , .		0
35003	Synthesis, Characterization and Photoelectric Properties of the Copper Phthalocyanine-modified Multi-walled Carbon Nanotubes. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2011, 26, 785-791.	1.3	0
35004	Transportation of single wall carbon nanotube (SWCNT) through the cell membrane. African Journal of Microbiology Research, 2011, 5, .	0.4	1
35005	Photovoltaic Properties for Carbon Nanotube Junction Prepared by Arc Discharge Technique in Argon Gas. Indian Journal of Applied Research, 2011, 3, 403-405.	0.0	0
35006	Semiconductor Nanowire Heterostructures: Controlled Growth and Optoelectronic Applications. Nanoscience and Technology, 2012, , 137-166.	1.5	0
35007	Introduction to Simulations in Nanobiotechnology. , 2011, , 1-40.		0
35008	Monte Carlo and density functional theory (DFT) investigation of boron-nitride nano cones in different solvents. International Journal of Physical Sciences, 2011, 6, .	0.4	0
35009	Improvement of Electron Emission Characteristics and Emission Stability from Metal-coated Carbon Nanotubes. Applied Science and Convergence Technology, 2011, 20, 436-441.	0.9	1
35011	Investigation of drug delivery on anticancer drug by SWCNT with theoretical studies. International Journal of Physical Sciences, 2011, 6, .	0.4	0

#	ARTICLE	IF	CITATIONS
35013	Recent Advances of Carbon Nanotube/Biopolymers Nanocomposites: A Technical Review. , 2011, , 120-135.		0
35015	Structures and energetics of organosilanes in the gaseous phase: a computational study. Highlights in Theoretical Chemistry, 2014, , 167-176.	0.0	0
35016	Beyond Conventional CMOS Technology: Challenges for New Design Concepts. , 2012, , 279-301.		0
35017	The EEM in Nanowires of Non-Parabolic Semiconductors. Springer Series in Materials Science, 2012, , 175-224.	0.6	0
35018	Mechanical Properties of Carbon Nanotubes with One-Dimensional Intramolecular Junction. Zairyo/Journal of the Society of Materials Science, Japan, 2012, 61, 149-154.	0.2	0
35019	CNT Diameter Dependence of Thermal Properties of MWCNT. Transactions of the Materials Research Society of Japan, 2012, 37, 15-18.	0.2	0
35021	Nanosciences and Nanotechnologies. , 2012, , 107-126.		0
35022	Symmetry and Modeling of BN, TiO ₂ , and SrTiO ₃ Nanotubes. Springer Series in Solid-state Sciences, 2012, , 631-690.	0.3	0
35023	Domain Suppression in the Negative Differential Conductivity Region of Carbon Nanotubes by Applied AC Electric Field. World Journal of Condensed Matter Physics, 2012, 02, 274-277.	0.2	4
35024	Anisotropic Graphite Erosion in Low-Temperature and High-Density Deuterium Plasma. Japanese Journal of Applied Physics, 2012, 51, 01AB03.	1.5	0
35025	The Characteristics of Raman Spectroscopy in Natural Carbon Nanotubes. Lecture Notes in Electrical Engineering, 2012, , 191-195.	0.4	0
35026	Plasma Processing for Carbon Nanomaterials. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 421-427.	0.2	0
35027	Steered molecular dynamics simulation of peeling a carbon nanotube on silicon substrate. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 146102.	0.5	1
35028	Theory of Conductivity in Semiconducting Single-Wall Carbon Nanotubes. Journal of Modern Physics, 2012, 03, 1550-1555.	0.6	1
35029	Direct Growth of Carbon Nanotubes on ZnO(0001̄,,) Substrate Surface using Alcohol Gas Source Method in High Vacuum. Japanese Journal of Applied Physics, 2012, 51, 01AH04.	1.5	0
35030	Material Evaluation/Structure Analyses by Neutron. Hyomen Kagaku, 2012, 33, 258-263.	0.0	0
35031	First principles caculations of h-BN monolayer with group IA/IIA elements replacing B as impurities. Wuli Xuebao/Acta Physica Sinica, 2012, 61, 236301.	0.5	1
35032	Morphology of nano-carbon materials and their electrochemical properties as the negative electrodes in lithium-ion batteries. Tanso, 2012, 2012, 274-279.	0.1	1

#	ARTICLE	IF	CITATIONS
35033	A Growth Model of Nanocarbons. Molecular Science, 2012, 6, A0055.	0.2	0
35034	Fourier Transforms of Tubular Objects with Spiral Structures. Journal of Crystallization Process and Technology, 2012, 02, 161-166.	0.6	2
35035	Nonlinear Raman Scattering Spectroscopy for Carbon Nanomaterials. , 2012, , 99-118.		1
35036	First Principles Calculations of Close-Packed and Doped Carbon Nanotubes. E-Journal of Surface Science and Nanotechnology, 2012, 10, 411-413.	0.4	0
35037	Adsorption isotherms of celebrex as non-steroidal anti-inflammation on single-walled carbon nanotubes. International Journal of Physical Sciences, 2012, 7, .	0.4	0
35040	Boron Nitride Nanoscrolls. Physicae Proceedings, 2012, 1, .	0.0	0
35045	Stoichiometric Boron-Based Nanostructures. , 0, , .		0
35046	Carbon Nanostructures and Nanocomposites. The Electrical Engineering Handbook, 2012, , 513-544.	0.2	0
35047	Plausibility of Image Reconstruction Using a Proposed Flexible and Portable CT Scanner. The Open Medical Imaging Journal, 2012, 6, 1-11.	0.8	0
35048	Fabrication and Mechanical Properties of a Micro/Nanoscale Hybrid Composite. International Journal of Nonlinear Sciences and Numerical Simulation, 2012, 13, 153-157.	1.0	8
35050	Effects of Interface Control on the Formation and Properties of Carbon Nanotubes Composites. Ceramic Transactions, 0, , 417-425.	0.1	0
35051	3 Approaches to CNT Assembly. , 2012, , 96-138.		0
35053	Biological Activities of Carbon Nanotubes. , 0, , .		0
35055	One-Dimensional Modelling Of A Carbon Nanotube-Based Biosensor. , 2012, , .		0
35056	Grafeno: el alÃ³tropo mÃ¡s prometedor del carbono. Acta Universitaria, 2012, 22, 20-23.	0.2	1
35057	NMR Shielding and thermodynamic density functional theory (DFT) studies of solvent effect on B10N11H7(Ala)2 Nano Cone. African Journal of Microbiology Research, 2012, 6, .	0.4	0
35058	Development and Characterization of Carbonaceous Materials Incorporated with Metal (Ti, V and Zn) -Organic Compounds for Hydrogen Storage. , 0, , 277-284.		0
35059	Plasma Treatment of Carbon Nanotubes and Interfacial Evaluation of CNT-Phenolic Composites by Acoustic Emission and Dual Matrix Techniques. Journal of the Korean Society for Composite Materials, 2012, 25, 76-81.	0.3	3

#	ARTICLE	IF	CITATIONS
35060	Theoretical Studies on Architectures of Straight Zigzag// Armchair Carbon Nanotube Junctions as Molecular Electronic Devices. , 2012, , .		0
35061	Nanoelectromechanical Systems (NEMS). Integrated Circuits and Systems, 2013, , 55-94.	0.2	0
35063	Fabrication of Nanoelectrodes by Cutting Carbon Nanotubes Assembled by Di-Electrophoresis Based on Atomic Force Microscope. International Journal of Intelligent Mechatronics and Robotics, 2012, 2, 1-13.	0.4	1
35064	A Study of Defect-Induced Electrical Breakdown on Individual Multi- Wall Carbon Nanotubes. , 2012, , .		0
35065	2 Noble Metal Nanoparticles. , 2012, , 99-112.		0
35066	Interaction of Interleukin-6 and Soluble Interleukin-6 Receptor Based on Multi-walled Carbon Nanotubes Activated Pt Quartz Crystal Microbalance. Chinese Journal of Analytical Chemistry, 2012, 39, 1302-1306.	1.7	0
35067	Ab initio studies of single-wall carbon nanotube for drug delivery of (N- acetyl-L-cysteinato-O, S) diphenyl tin (IV) anticancer drug. African Journal of Pharmacy and Pharmacology, 2012, 6, .	0.3	0
35070	Looking Back the Most Beautiful Molecule C60 after Quarter Century of Discovery. Visnik Nacional Noi Akademii Nauk Ukrai Ni, 2012, , 27-35.	0.3	0
35071	Preparation of MWNTs Functionalized with Silica by Covalent Bonding and Their Application to Shear Thickening Fluids. Textile Science and Engineering, 2012, 49, 290-300.	0.4	0
35072	Electronic Transport in Graphene. , 2012, , 59-94.		0
35073	Effect of Pressure on the Electrical Resistance of Individual Boron-Doped Carbon Nanotubes. Japanese Journal of Applied Physics, 2012, 51, 105103.	1.5	0
35074	Nanocolumnar Arrays by Pulsed Laser Deposition on Polystyrene Colloid Spheres. , 2012, , 145-166.		0
35075	Effects of Shear Mixing on the Dispersion Improvement of Carbon Nanotube Fillers in Epoxy Composites. Journal of the Korea Academia-Industrial Cooperation Society, 2012, 13, 4385-4391.	0.1	0
35076	Recent Developments and Future Perspectives of Plasma HHG. , 2012, , 185-213.		0
35077	- Modeling Gas Adsorption on Carbon Nanotubes. , 2012, , 269-306.		0
35078	Pegylated Zinc Protoporphyrin: A Micelle-Forming Polymeric Drug for Cancer Therapy. , 2012, , 181-212.		0
35079	Science and Applications of Photomechanical Actuation of Carbon Nanostructures. , 2012, , 177-236.		0
35080	Light-Driven and Optically Actuated Technologies. , 2012, , 3-46.		0

#	ARTICLE	IF	CITATIONS
35081	Photocatalytic Degradation of Methylene Blue by Pd/MWCNT/TiO ₂ under UV and Visible Light Irradiation. Journal of the Korean Ceramic Society, 2012, 49, 511-517.	2.3	0
35082	- Gas Desorption from Detonation Nanodiamonds During Temperature-Programmed Pyrolysis. , 2012, , 235-268.		0
35083	The use of Interfacial Graphene to Carbon nanotube Point emitter for Field Emission Electric Propulsion. Journal of the Korean Society for Aeronautical & Space Sciences, 2012, 40, 1004-1009.	0.1	0
35085	Characteristics of nickel tip carbon nanorod growth by pulsed plasma chemical vapor deposition. World Journal of Engineering, 2012, 9, 469-474.	1.6	0
35086	Laser Patterning of Vertically Grown Carbon Nanotubes. Transactions of the Korean Society of Mechanical Engineers, B, 2012, 36, 1171-1176.	0.1	0
35088	Studying Nucleation Mechanism of Carbon Nanotubes by Using In Situ TEM. Springer Theses, 2013, , 37-54.	0.1	0
35089	CCVD Synthesis of Carbon Nanotubes. Engineering Materials, 2013, , 43-60.	0.6	0
35090	Immobilization of Cinchona Quaternary Ammonium Salts as the Chiral Phase Transfer Catalysts on Multi-walled Carbon Nanotubes and Their Application in Enantioselective Alkylation. Chinese Journal of Catalysis, 2013, 33, 891-897.	14.0	0
35091	Mode-locked double-clad fiber laser with a carbon nanotubes saturable absorber. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 024209.	0.5	4
35092	Stress Transfer Characterization at Fiber Break in Carbon Nanotube-Reinforced Composites. Springer Proceedings in Physics, 2013, , 333-346.	0.2	0
35093	Chapter 5. Polymer-grafted Carbon Nanotubes via "Grafting From" Approach. RSC Nanoscience and Nanotechnology, 2013, , 120-181.	0.2	0
35094	ŞŞ'â ç"ç©¶è²»â®âŠ©æ^â³/4è±jæ:qâŠã"ç"ç©¶è€...â®æ¥ç,¾è©•â³/4j. Tanso, 2013, 2013, 236-239.	0.1	0
35095	Nonlinear Free Vibration of Curved Double Walled Carbon Nanotubes Using Differential Quadrature Method. Conference Proceedings of the Society for Experimental Mechanics, 2013, , 269-279.	0.5	0
35096	Measurement/Manipulation/Assembly of Carbon Nanotubes under FE-SEM/TEM. , 2013, , 197-242.		0
35097	A Molecular Dynamics Simulation Study of the Mechanical Properties of Carbon-Nanotube Reinforced Polystyrene Composite. International Journal of Manufacturing, Materials, and Mechanical Engineering, 2013, 3, 39-51.	0.4	0
35098	Water Nanodroplets: Molecular Drag and Self-assembly. Lecture Notes in Nanoscale Science and Technology, 2013, , 301-327.	0.8	0
35099	Thermal conductivity of carbon nanotube cable type composite. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 226102.	0.5	2
35100	Preparation and Characterization of Diiodocarbene Functionalized Multi-walled Carbon Nanotubes. Current Nanoscience, 2013, 9, 89-92.	1.2	5

#	ARTICLE	IF	CITATIONS
35101	Synthesis and photocatalytic properties of coaxial nanohybrids consisting of single-walled carbon nanotube supramolecular system. Tanso, 2013, 2013, 210-215.	0.1	0
35104	Theory of Low- and High-Field Transports in Metallic Single-Wall Nanotubes. Journal of Modern Physics, 2013, 04, 886-897.	0.6	0
35105	Micro/Nanorobotic Manufacturing of Thin-Film NEMS Force Sensor. , 2013, , 229-249.		0
35106	Fernziele der Nanoelektronik. Acatech-Diskussion, 2013, , 149-223.	0.2	0
35107	Growth of Single-Walled Carbon Nanotubes from Pt catalysts by the Alcohol Gas Source Method under Low Ethanol Pressure: Growth Temperature Dependence. Transactions of the Materials Research Society of Japan, 2013, 38, 585-588.	0.2	0
35108	Theoretical study on the electronic structures and photophysical properties of carbon nanorings and their analogues. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 083101.	0.5	0
35109	Study on the mechanical properties of carbon nanocones using molecular dynamics simulation. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 016102.	0.5	5
35110	Tribological Properties of Nano Carbon Filled Polymer Matrix Composites. Seikei-Kakou, 2013, 25, 68-72.	0.0	0
35111	Related Technologies on Micro-Nanorobotic Manipulation Systems. , 2013, , 61-106.		1
35112	Structural Defects on the Electronic Transport Properties of Carbon-Based Nanostructures. Carbon Materials, 2013, , 77-103.	1.2	0
35113	Geometrical Modeling of Walls of Multiwall Carbon Nanotube. Open Journal of Composite Materials, 2013, 03, 10-15.	0.8	1
35114	The Research on the Electric Transport Properties of Armchair Carbon-Nanotubes Composed by Different Layers of Graphite Sheet. Applied Physics, 2013, 03, 91-96.	0.0	0
35115	CHAPTER 16. Smart Carbon Nanotubes. RSC Smart Materials, 2013, , 90-116.	0.1	1
35116	Introduction to Nanostructures. Nanoscience and Technology, 2013, , 1-17.	1.5	0
35117	Synthesis of CNT film on Cu and its intense pulsed emission characteristics. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 158801.	0.5	2
35118	Properties of 5d atoms doped boron nitride nanotubesi ^{1/4} ša first-principles calculation and molecular orbital analysis. Wuli Xuebao/Acta Physica Sinica, 2013, 62, 246301.	0.5	1
35119	Separation of carbon nanotubes (CNTs) by the separation method for biomolecules. Synthesiology, 2013, 6, 75-83.	0.2	0
35121	Unduloid-like Equilibrium Shapes of Carbon Nanotubes Subjected to Hydrostatic Pressure. , 2013, , 195-202.		0

#	ARTICLE	IF	CITATIONS
35123	Structure and Properties of Solids. , 0, , 9-82.		0
35124	Bulk Materials, Coatings, and Surface Treatments for Tribology. , 0, , 805-897.		0
35125	Synthesis of high yield and cost effective Carbon Nanotubes by Arc Evaporation Method and their Characterization. International Journal of Nano Devices Sensors and Systems (IJ-Nano), 2013, 2, .	0.2	0
35127	Computational Studies on Na ⁺ -encapsulated in Single Walled Carbon Nanotube (M ⁺ @SWCNT), Molecular Dynamics and DFT Approaches. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 150527104639002.	2.1	0
35128	Characterization of Multi-Walled Carbon Nanotube Film Sensor and Ethanol Gas-Sensing Properties. Telkomnika (Telecommunication Computing Electronics and Control), 2013, 11, 55.	0.8	0
35130	Preparation of FeCl ₃ Catalytic Films Using Dip Dry Method for the Growth of Carbon Nanotubes. Journal of Environmental Nanotechnology, 2013, 2, 40-45.	0.3	0
35132	Effects of Adding Carbon Nanotubes/Hydroxyapatite Composites on the Properties and Structure of Calcium Phosphate Cement. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2013, 28, 91-96.	1.3	0
35133	Measurement of Mechanical Property and Thermal Expansion Coefficient of Carbon-Nanotube-Reinforced Epoxy Composites. Transactions of the Korean Society of Mechanical Engineers, A, 2013, 37, 657-664.	0.2	2
35134	Carbon-Based Nanostructures. Integrated Analytical Systems, 2014, , 3-31.	0.4	0
35135	Clinical Applications of Biosensors Based on Field-Effect Transistors with Carbon Nanotubes or Nanowires. Electronics and Communications, 2013, 18, 53-62.	0.2	2
35137	Diameter Control of Carbon Nanotubes Using Surface Modified Fe Nano-Particle Catalysts with APS. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2013, 26, 478-481.	0.0	0
35138	When Space Travel and Nanotechnology Met at the Fountains of Paradise. , 2013, , 53-67.		0
35139	High Resolution Image with Multi-wall Carbon Nanotube Atomic Force Microscopy Tip. International Journal of Engineering, Transactions B: Applications, 2013, 26, .	0.7	1
35140	Electrical properties of fiber and carbon nanotube reinforced polymer composites. , 2013, , .		1
35141	Nanocarbon Polymer Composites. Composites Research, 2013, 26, 147-154.	0.1	2
35142	Elasticâ€“Plastic Behaviors of Vertically Aligned Carbon Nanotube Arrays by Large-Displacement Indentation Test. Solid Mechanics and Its Applications, 2014, , 323-339.	0.2	0
35143	Nanotubos de carbono en la terapia fotot�rmica contra el c�ncer. Innovaciencia, 2014, 1, 5-10.	0.0	0
35144	Fabrication and Characteristic Evaluation of Hybrid Carbon Nanotubes Reinforced SKD11 Cold Work Tool Steel. Journal of Korean Powder Metallurgy Institute, 2013, 20, 291-296.	0.3	1

#	ARTICLE	IF	CITATIONS
35145	Growth Properties of Carbon Nanowall According to the Substrate Angle. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2013, 26, 686-689.	0.0	0
35148	Tailoring Carbon Nanostructures for Energy Applications. Nanoscience and Nanotechnology - Asia, 2013, 3, 11-20.	0.7	1
35149	The Investigation of Metal or Carbon Nanocomposites Electron Structure by X-Ray Photoelectron Spectroscopy. , 2013, , 199-252.		0
35152	Reinforcement Application. , 2013, , 205-226.		0
35153	Graphite Whiskers, Cones, and Polyhedral Crystals. Advanced Materials and Technologies, 2013, , 89-114.	0.4	0
35154	Multi-walled Carbon Nanotube Film Sensor for Ethanol Gas Detection. TELKOMNIKA Indonesian Journal of Electrical Engineering, 2013, 11, .	0.1	2
35156	DESIGN, FABRICATION AND SENSITIVITY ANALYSIS OF THE RESISTANCE TEMPERATURE DETECTOR THIN FILM SENSORS. International Journal of Mechanical and Industrial Engineering, 2013, , 112-117.	0.0	1
35157	Background and Theoretical Framework. Springer Theses, 2014, , 7-30.	0.1	0
35158	Carbon Nanotubes, Quantum Dots and Dendrimers as Potential Nanodevices for Nanotechnology Drug Delivery Systems. International Journal of Pharmaceutical Sciences and Nanotechnology, 2013, 6, 2113-2124.	0.2	2
35159	COATING OF OCTAMETHACRYL POLYHEDRAL OLIGOMERIC SILSESQUIOXANE ONTO MULTI-WALLED CARBON NANOTUBES UNDER RADICAL INITIATION. Acta Polymerica Sinica, 2013, 013, 1424-1429.	0.0	0
35160	The technological paradigm of Nanosciences and Technologies: a study of science-technology time and space relations. Economía Teórica y Práctica, 2013, , .	0.2	1
35161	Effect of Metal Catalysts on Synthesis of Carbon Nanomaterials by Alcohol Catalytic Chemical Vapor Deposition. Engineering Journal, 2013, 17, 35-40.	1.0	2
35162	Production of Atomic Photochemical Hydrogen and Photoinjection of Hydrogen in Solids. , 2013, , 241-282.		0
35164	The Influence of Different Gate Oxide Thickness on Carbon Nanotube Transistors. Applied Physics, 2014, 04, 76-84.	0.0	0
35165	Theoretical Study for Electronic and Vibrational properties of nano cylinder (C140H28). IOSR Journal of Applied Chemistry, 2014, 7, 25-33.	0.2	0
35167	Carbon Nanotubes for Photovoltaics. Advances in Chemical and Materials Engineering Book Series, 2014, , 268-311.	0.3	0
35168	Conductive Probe Microscopy Investigation of Electrical and Charge Transport in Advanced Carbon Nanotubes and Nanofibers-Polymer Nanocomposites. Advances in Chemical and Materials Engineering Book Series, 2014, , 343-375.	0.3	0
35169	Nanoparticle Technologies in Detection Science. RSC Detection Science, 2014, , 116-141.	0.0	0

#	ARTICLE	IF	CITATIONS
35170	Temperature Effect on the Vibration Characteristics of Carbon Nanotubes. Journal of New Technology and Materials, 2014, 4, 46-49.	0.4	0
35172	Creation of Three-Dimensional Nanostructures with Anthracene Shells. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2014, 72, 692-701.	0.1	1
35173	Bioremediation and Biotransformation of Carbon Nanostructures Through Enzymatic and Microbial Systems. , 2014, , 101-121.		0
35175	Synthesis of CNTs by Arc Discharge Method in Water Bath. Environmental Science and Engineering, 2014, , 601-602.	0.2	1
35176	Carbon Nanotube Field Effect Transistor Based 4-Bit Full Adder Cell. British Journal of Applied Science & Technology, 2014, 4, 3678-3686.	0.2	0
35177	Synthesis and Application of Novel Functional Molecules by Inner and Outer Control of Fullereryl Cage Focused on the Spherical Reaction Sites. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2014, 72, 1348-1359.	0.1	0
35178	Graphene—Two-Dimensional Crystal. Nanoscience and Technology, 2014, , 3-27.	1.5	0
35179	Analysis of the Promoter-Catalyst interaction between Mn and Rh by Transmission Electron Microscopy. The Journal of Undergraduate Research at the University of Illinois at Chicago, 2017, 7, .	0.0	0
35180	Synthesis and Characterization of Cobalt Doped Lysine Carbon Nanotubes. International Journal of Materials Mechanics and Manufacturing, 0, , 14-17.	0.2	0
35181	Carbon Nanostructures for Enhanced Photocatalysis for Biocidal Applications. , 2014, , 771-791.		0
35182	Design of A Setup of Cvd* For Cnt Synthesis and Study of Properties of Cnts Reinforced With Aluminium Based Composites. IOSR Journal of Mechanical and Civil Engineering, 2014, 11, 55-64.	0.1	0
35183	Functionalization of Carbon Nanocomposites with Ruthenium Bipyridine and Terpyridine Complex. Advances in Chemical and Materials Engineering Book Series, 2014, , 26-61.	0.3	0
35185	Thermal Buckling of Carbon Nanotubes. , 2014, , 4897-4903.		0
35186	Evaluation for Frictional Properties of Fullerene/OLCs by Molecular Dynamics Simulation. Zairyo/Journal of the Society of Materials Science, Japan, 2014, 63, 155-162.	0.2	0
35187	Microstructure Property of CNTs Deposited on Nickel Foam by CVD with Different Ni Catalytic Seed for Flexible PV. , 2014, , .		0
35188	Alternative Electrodes for OSC. , 2014, , 177-213.		0
35189	Thermal Conductivity. , 2014, , 163-225.		0
35190	Field Emission Simulations of Carbon Nanotubes and Graphene with an Atomic Model. Journal of Nanomaterials & Molecular Nanotechnology, 2014, 03, .	0.1	1

#	ARTICLE	IF	CITATIONS
35191	Removal of Pb by Adsorption of Amidoxime Group Modified Carbon Nanotubes. , 0, , .		1
35192	The Structure and Electronic Properties of C80 Carbon Nanotube. , 0, , .		0
35193	Computational Study of Allotropic Structures of Carbon by Density Functional Theory (DTF). Ingenier�a Y Ciencia, 2014, 10, 145-162.	0.3	0
35194	Transition metals encapsulated inside single wall carbon nanotubes: DFT calculations. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 077302.	0.5	1
35195	Opto-electronic properties of the single-walled carbon nanotube film and melamine formaldehyde resin composite. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 106101.	0.5	1
35196	Effect of magnetic field assisted heat-treatment on field emission properties of metalized multi-walled carbon nanotubes cathodes. Wuli Xuebao/Acta Physica Sinica, 2014, 63, 086802.	0.5	1
35197	Raman Spectroscopy and Molecular Dynamics Simulation Studies of Carbon Nanotubes. Environmental Science and Engineering, 2014, , 507-510.	0.2	1
35198	Toxicity Study of SWCNT Synthesis from Fermented Tapioca. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2014, 4, 240-243.	0.2	0
35199	Iterative Remeshing for Edge Length Interval Constraining. Lecture Notes in Computer Science, 2014, , 300-312.	1.3	0
35200	Non-covalent Nanotube Functionalization. , 2014, , 1-9.		0
35202	Mechanics of Carbon Nanotubes. , 2014, , 19-44.		0
35205	Distinct Diameter Dependence of Redox Property for Armchair, Zigzag Single-walled, and Double-walled Carbon Nanotubes. Challenges and Advances in Computational Chemistry and Physics, 2014, , 31-60.	0.6	1
35206	Carbon at the Nanoscale. , 2014, , 1-35.		2
35207	Patterns of Field Electron Emission from Carbon Nanotubes: Ab Initio Simulations by Time-Dependent Density Functional Theory. , 2014, , .		1
35208	Fullerenes: Topology and Structure. , 2014, , 1529-1542.		0
35209	Fullerenes and Carbon Nanotubes. , 2014, , 1493-1501.		0
35210	Carbon Nanotubes and Other Carbon Materials. , 2014, , 628-642.		0
35211	Carbon Nanotubes: Supramolecular Mechanics. , 2014, , 730-743.		0

#	ARTICLE	IF	CITATIONS
35212	Inorganic Nanotubes. , 2014, , 1893-1900.		0
35213	Carbon Nanotubes Reinforced Poly(ethylene terephthalate) Nanocomposites. Porrima, 2014, 38, 240-249.	0.2	1
35214	Growth and Resistance Properties of Carbon Nanowall According to the Variation of Reaction Gas. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 217-220.	0.0	0
35215	PERFORMANCE ANALYSIS OF CMOS COMPARATOR AND CNTFET COMPARATOR DESIGN. International Journal of Research in Engineering and Technology, 2014, 03, 862-866.	0.1	6
35216	Astrophysical Problems Involving Carbon Re-appraised. , 1992, , 47-54.		0
35217	Electron Microscopy of C60 and C70 Fullerites. Springer Series in Solid-state Sciences, 1993, , 182-188.	0.3	0
35218	ã,«ãf¼ãfœãf³ãfŠãfŽãf¥ãf¼ãf–ãfç”Ÿæˆ• Nihon Kessho Gakkaishi, 1993, 35, 69-69.	0.0	0
35219	Fullerenes and Fullerites: New Forms of Carbon. Springer Series in Solid-state Sciences, 1993, , 459-465.	0.3	0
35220	The Third Form of Carbon. , 1993, , 99-119.		2
35221	ãf•ãf©ãf¼ãf–ãf³ãfã, ã,£ã,¹ã,«ãf¼. Tanso, 1993, 1993, 234-237.	0.1	2
35222	ãfŠãfŽãf¥ãf¼ãf–ãfé»ãfçŠæ...æ. Tanso, 1993, 1993, 160-168.	0.1	0
35223	The Three-Dimensional shape of carbon nanotubes by High Resolution Electron Microscopy. Proceedings Annual Meeting Electron Microscopy Society of America, 1993, 51, 754-755.	0.0	0
35224	Growth behavior and structures of carbon nanotubes. Proceedings Annual Meeting Electron Microscopy Society of America, 1993, 51, 752-753.	0.0	1
35225	Electons' eyevuew of buckytubes and friends. Proceedings Annual Meeting Electron Microscopy Society of America, 1993, 51, 1128-1129.	0.0	0
35226	SEM study of structure and formation of the carbon cluster in the arc-discharge deposits. Proceedings Annual Meeting Electron Microscopy Society of America, 1993, 51, 756-757.	0.0	0
35227	High-resolution microscopy of carbon nanotubes. Proceedings Annual Meeting Electron Microscopy Society of America, 1993, 51, 760-761.	0.0	0
35228	Special Issue Miraculous Atom: Carbon. V. Discovery of Carbon Nanotubes.. Journal of the Institute of Electrical Engineers of Japan, 1994, 114, 33-37.	0.0	0
35229	Nanoscale encapsulation of Fe crystallites within a protective graphite cage. Proceedings Annual Meeting Electron Microscopy Society of America, 1994, 52, 982-983.	0.0	0

#	ARTICLE	IF	CITATIONS
35230	Production of novel carbon nanoclusters by catalytic arc discharge. Proceedings Annual Meeting Electron Microscopy Society of America, 1994, 52, 770-771.	0.0	1
35231	Materials with Fullerene-Related Structures.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1994, 3, 150-155.	0.0	1
35232	Electron Microscopy and the Structural Studies of Superconducting Materials and Fullerites. , 1994, , 521-538.		0
35233	ã,ãf ©ã,1ã,¿(C_<60>,ã,«ãf¼ãfœãf³ãfŠãfŽãf¥ãf¼ãf—)(çŸ¥ã,ŠãŸã,ç”èªžãf»æ°—ã«ãªã,«æ¼,ã¿μ). Journal of the Society of Mechanical Engineers, 1994, 48, 105-110.	0.0	0
35234	Electron Holography Applied to the Study of Fullerene Materials. , 1995, , 219-230.		3
35235	Computer Simulation of Materials Using Parallel Architectures. , 1995, , 87-123.		1
35236	Advances in Structural Crystallography. , 1995, , 400-491.		0
35237	New approaches to characterizing advanced materials. Proceedings Annual Meeting Electron Microscopy Society of America, 1995, 53, 74-75.	0.0	0
35238	Closed graphene nanostructures. Proceedings Annual Meeting Electron Microscopy Society of America, 1995, 53, 194-195.	0.0	0
35239	The Growth and the Death of Carbon Fullerenes and Nanotubes. , 1996, , 405-422.		0
35240	LDF Electronic Structure of Fullerene Tubules. , 1996, , 153-175.		0
35241	CARBON NANOTUBES: I. GEOMETRICAL CONSIDERATIONS. , 1996, , 59-64.		1
35242	Fullerene und Fullerite, neue Formen des Kohlenstoffs. , 1996, , 7-28.		0
35243	Designing Fullerene Materials with Heptagonal and Pentagonal Defects. , 1996, , 437-457.		0
35244	Spectroscopy Methods for Low-Dimensional Systems. Springer Proceedings in Physics, 1996, , 21-35.	0.2	0
35245	Ultra Fine Particles and Coatings. , 1996, , 19-33.		0
35246	Molecular Simulation of Pure Fluid and Binary Mixture Adsorption in Buckytubes and MCM-41. Kluwer International Series in Engineering and Computer Science, 1996, , 563-570.	0.2	1
35247	Carbon Nanotubes: Past, Present and Future. , 1996, , 405-418.		0

#	ARTICLE	IF	CITATIONS
35249	Buckyröhren, Buckyzwiebeln und andere Verwandte der Fullerene. , 1996, , 103-121.		0
35250	Carbon Nanotubes and Aligned Carbon Nanotube Films. , 1996, , 437-442.		0
35251	HELICALLY COILED AND TOROIDAL CAGE FORMS OF GRAPHITIC CARBON. , 1996, , 77-85.		1
35252	Pentagonal and heptagonal carbon-rings in growth of nanosize graphitic carbon spheres. Proceedings Annual Meeting Electron Microscopy Society of America, 1996, 54, 664-665.	0.0	0
35253	EELS investigation of plasmon excitations in aluminum nanospheres and carbon nanotubes. , 1997, , 425-428.		1
35254	Materials Based on Carbon Clusters.. TEION KOGAKU (Journal of Cryogenics and Superconductivity) Tj ETQq1 1 0.784314 rgBT /Overl	0.1	0
35255	Carbon nanotubes films: electronic properties and their application as field emitters. , 1997, , 418-420.		0
35256	New Form of Carbon : Fullerene Family. Journal of the Society of Mechanical Engineers, 1997, 100, 942-944.	0.0	0
35257	Ultra Fine Particles and Coatings.. Shinku/Journal of the Vacuum Society of Japan, 1997, 40, 709-716.	0.2	0
35259	Catenation. , 1997, , 51-67.		0
35260	Conductance of nano-tube junctions and its scaling law. , 1997, , 432-435.		0
35261	A FULLERENE FORMATION MODEL PROPOSED FROM MOLECULAR DYNAMICS SIMULATIONS. , 1998, , .		0
35262	Title is missing!. Journal of Information Processing and Management, 1998, 41, 200-206.	0.0	0
35263	Carbon composite-the new frontier. 4. Carbon related materialsfor field emission cold cathodes.. Journal of the Institute of Electrical Engineers of Japan, 1998, 118, 687-689.	0.0	0
35264	Introduction to ĩ-Electron Materials. Springer Series in Materials Science, 1998, , 3-6.	0.6	0
35265	New ĩ-Electron Materials: Preparation and Properties. Springer Series in Materials Science, 1998, , 157-174.	0.6	1
35266	Evaporation of Carbon Rod by Microwave Discharge at the Atmospheric Pressure. IEEJ Transactions on Fundamentals and Materials, 1998, 118, 1132-1138.	0.2	0
35268	Carbon composite-the new frontier. 1. Fullerene to nanotube. Formation and structures.. Journal of the Institute of Electrical Engineers of Japan, 1998, 118, 677-680.	0.0	0

#	ARTICLE	IF	CITATIONS
35269	Future Promise of I€-Electron Materials. Springer Series in Materials Science, 1998, , 237-248.	0.6	1
35270	An Approach to the Crystal Engineering of Coordination Networks. , 1999, , 181-208.		1
35271	Classes of CPs: Part 2. , 1999, , 393-429.		0
35272	Architectural Design and Preparation of Molecular Systems. , 1999, , 5-78.		0
35274	Frontiers of Carbon Nanotubes and Beyond. , 1999, , 164-183.		2
35277	Dehydrogenation of Polyacetylene at High Static Pressure. Physics and Chemistry of Materials With Low-dimensional Structures, 1999, , 93-116.	1.0	0
35278	Nanotube. Carbon Nanotube for Field Emission Display Elements.. Shinku/Journal of the Vacuum Society of Japan, 1999, 42, 722-726.	0.2	0
35279	Nanotube. Preparation and Electron Emission Properties of Carbon Nanotubes.. Shinku/Journal of the Vacuum Society of Japan, 1999, 42, 717-721.	0.2	0
35280	Degeneracy are repulsion between bands of periodic carbon nanotube junctions. , 1999, , 377-380.		0
35281	Carbon Nanotubes Fabricated at the Cathode Spot in a Vacuum Arc. IEEJ Transactions on Fundamentals and Materials, 1999, 119, 1156-1157.	0.2	1
35283	Carbon nanotube arrays. , 1999, , 85-89.		0
35284	Nanotube. Hetero-Nanotubes.. Shinku/Journal of the Vacuum Society of Japan, 1999, 42, 735-740.	0.2	0
35285	Conducting forms of Carbon. , 1999, , 390-439.		0
35286	Water on Ideal Solid Surfaces. , 2014, , 87-154.		0
35287	NOx Gas Detection Characterization with Vgsin the MWCNT Gas Sensor of MOS-FET Type. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 257-261.	0.0	0
35288	Water on Ideal Solid Surfaces. , 2014, , 101-168.		0
35290	Metal Oxide Nanoribbons and Carbon Nanotubes: Modeling. , 0, , 2479-2490.		0
35291	Quantum Dots: Electronic Coupling and Structural Ordering. , 0, , 4023-4049.		0

#	ARTICLE	IF	CITATIONS
35292	Single-Walled Carbon Nanotubes: Geometries, Electronic Properties, and Actuation. , 0, , 4512-4521.		0
35293	Nanobridges: Thermal Properties. , 0, , 2867-2875.		0
35294	The Development of High Performance Nano-composites with Carbon Nanotube. Textile Coloration and Finishing, 2014, 26, 71-78.	0.0	2
35295	Carbon Nanotubes for Drug Delivery Applications. , 2014, , 233-248.		0
35296	Methodology for Evaluating Theproperties of Carbon Nano Tubes for Engineering Applications. Journal of Nanotechnology and Materials Science, 2015, 1, 1-6.	0.2	0
35298	Non-Classical Properties of Classical Nanostructures. , 2014, , 103-143.		0
35300	Introduction to Carbon Materials. , 2015, , 3-14.		2
35302	Recent Advances in Carbon Nanotube Flow-Sensor: A Review. International Journal of Innovative Research in Science, Engineering and Technology, 2014, 03, 16703-16706.	0.4	0
35303	Evaluation of MWCNT Exposure and the Wear Characteristics of MWCNT-containing PC/ABS Composites. Journal of the Korean Society of Tribologists and Lubrication Engineers, 2014, 30, 278-283.	0.1	0
35304	NOx Gas Detection Characteristics of MWCNT Gas Sensor by Electrode Spacing Variation. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 668-672.	0.0	0
35305	Carbon Nanotubes as Solid-Phase Extraction Sorbents Prior to Atomic Spectrometric Determination of Metal Species: Determination of Lead in Urine. , 0, , .		0
35306	Applicability Assessment of Carbon Nanotube to Slow Sand Filtration for Bacteria Removal. Daehan Hwan'gyeong Gonghag Hoeji, 2014, 36, 873-878.	1.1	1
35307	Facile preparation of superhydrophobic thin films using non-aligned carbon nanotubes. Advances in Nano Research, 2014, 2, 219-225.	0.9	0
35308	Material Design Using Multi-physics Simulation: Theory and Methodology. Journal of the Korean Institute of Electrical and Electronic Material Engineers, 2014, 27, 767-775.	0.0	0
35309	Carbon Nanotube Polymer Composite Materials Used in High Temperature and High Pressure Environment. Seikei-Kakou, 2014, 27, 17-21.	0.0	0
35311	Electrochemical Performance of Carbon Nanotube based Supercapacitor. , 2014, , .		0
35312	Physical Vapor Deposition. , 2015, , 1-8.		0
35314	Charpy Impact Resistances of Carbon Nanotubes Reinforced High Density Polyethylene Nanocomposite Materials. International Journal of Materials Mechanics and Manufacturing, 0, , 247-250.	0.2	1

#	ARTICLE	IF	CITATIONS
35315	Adsorption of CO, CO ₂ , NO and NO ₂ on Carbon Boron Nitride Hetero Junction: DFT Study. Journal of Surface Engineered Materials and Advanced Technology, 2015, 05, 169-176.	0.2	5
35316	Influence of Mathematics on Materials Science Upto Date. SpringerBriefs in the Mathematics of Materials, 2015, , 11-50.	0.3	0
35317	Regulation of Non-canonical DNA Structures by Small Molecules and Carbon Materials. RSC Green Chemistry, 2015, , 53-97.	0.1	0
35318	Carbon Nanotube TFTs. , 2015, , 1-33.		0
35320	Studies on Electrochemical Properties of Functionalized Carbon Nanotube Bucky Paper Electrodes for Biosensor Applications. Research & Reviews Journal of Material Sciences, 2015, 03, .	0.1	1
35321	Nanostructures and Characteristics of Carbon Nanofibers. , 2015, , 1-18.		0
35322	FUNDAMENTOS MATEMÁTICOS DA NANOTECNOLOGIA. , 2015, , 251-278.		0
35323	Some Properties and Applications of Harary Index. SpringerBriefs in Applied Sciences and Technology, 2015, , 35-54.	0.4	0
35324	Progress in Fabrication Technique of Carbon Nanotubes Reinforced Al Matrix Composites. , 0, , .		0
35325	Carbon Nanotubes: a viable drug delivery platform for the treatment of cancer. Journal of Applied Pharmaceutical Science, 0, , 143-152.	1.0	0
35326	Synthesis and Field Emission Properties of Carbon Nanowire-Single Walled Carbon Nanotube Networks Hybrid Films. World Journal of Engineering and Technology, 2015, 03, 97-104.	0.5	0
35327	Torsional mechanical properties of (n, n)-(2n, 0) carbon nanotubes heterojunction. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 106102.	0.5	0
35328	Effect of 170 keV proton irradiation on structure and electrical conductivity of multi-walled carbon nanotubes film. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 136401.	0.5	2
35329	Thermal characterization of carbon nanotube fibers based on steady-state electro-Raman-thermal technique. Wuli Xuebao/Acta Physica Sinica, 2015, 64, 126501.	0.5	0
35330	Nanoparticulate Reinforced Aluminum Alloy Composites Produced by Powder Metallurgy Route. , 2015, , 165-174.		0
35331	Modeling of Quasi-One-Dimensional Carbon Nanostructures with Density Functional Theory. , 2015, , 1-41.		0
35334	Chapter Poly(Ionic Liquid)s and Nanoobjects. , 2015, , 323-353.		0
35335	Cubic Silicon Carbide Nanowires. Carbon Materials, 2015, , 101-129.	1.2	1

#	ARTICLE	IF	CITATIONS
35336	Carbon nanofibers as supports for metal nanoparticles. Tanso, 2015, 2015, 35-40.	0.1	0
35337	Boron Nitride Nanotubes and Nanoribbons Produced by Ball Milling Method. , 2015, , 33-58.		0
35338	Graphyne and Derivatives. , 2015, , 89-100.		0
35339	Synthesis of Carbon Nanotubes. , 2015, , 1-9.		0
35340	Carbon Nanotube-Based Separation Columns for Microchip Electrochromatography. Methods in Molecular Biology, 2015, 1274, 149-159.	0.9	0
35341	Effects of Modeling Method on Prediction of Electronic Properties of Carbon Nantobues and Silicon Nanotubes. , 0, , .		0
35342	Synthesis of Carbon Nanotubes Using Aliphatic Alcohols as a Carbon Source. Chemical Sciences Journal, 2015, 6, .	0.1	1
35344	Background-Free Second-Harmonic Generation Microscopy of Individual Carbon Nanotubes. , 2015, , .		0
35345	High-Frequency Electric Field Induced Nonlinear Electron Transport in Chiral Carbon Nanotubes. World Journal of Condensed Matter Physics, 2015, 05, 294-300.	0.2	1
35347	Physical Vapor Deposition. , 2015, , 1-8.		1
35348	CHAPTER 4. Laboratory Studies of Candidate Interstellar Dust Materials. , 2015, , 49-86.		0
35349	Carbon Nanotubes: A Novel Approach for Cancer Diagnosis and Therapy. Journal of Orofacial Research, 2015, 5, 84-89.	0.0	0
35350	Development of Plasma-assisted Synthesis Techniques for Carbon Nanotubes. Journal of the Institute of Electrical Engineers of Japan, 2015, 135, 148-150.	0.0	0
35351	Field-Effect Transistors: Current Advances and Challenges in Bringing Them to Point-of-Care. , 2015, , 353-371.		3
35352	Validity of High Pressure Isothermal Equation of State for Carbon Nanotubes. Research Journal of Physics, 2015, 9, 11-20.	0.2	2
35355	The Symmetry Groups in Three-Dimensional Space. Nanoscience and Technology, 2015, , 9-112.	1.5	0
35356	Nanoboron Nitrides. , 2015, , 3-32.		1
35357	Coordination Polymers of Cucurbit[n]urils with Metal Ions. Springer Briefs in Molecular Science, 2015, , 37-83.	0.1	0

#	ARTICLE	IF	CITATIONS
35358	Synthesis, Modification and Characterization of Nanocarbon Electrodes for Determination of Nucleic Acids. , 2015, , 1-35.		0
35359	Optimum Conditions for Introducing Free Radical Polymerizable Methacrylate Groups on the MWCNT Surface by Michael Addition Reaction. Korean Chemical Engineering Research, 2015, 53, 83-90.	0.2	1
35360	Preparation and Characterization of Functional Microcapsules Containing Suspensions of Conducting Materials. Applied Chemistry for Engineering, 2015, 26, 40-46.	0.2	1
35361	AVALIAÇÃO DE PROPRIEDADES MECÂNICAS E ELÉTRICAS DE NANOCOMPÓSITOS DE NANOTUBOS DE CARBONO EM MATRIZ DE FLUORELASTÓMERO. , 0, , .		0
35362	SÍNTESE DE NANOTUBOS DE CARBONO PELO MTODO CVD ANALISANDO OS PARÂMETROS DE SÍNTESE VIA PLANEJAMENTO FATORIAL DE EXPERIMENTOS. , 0, , .		0
35363	DETERMINAÇÃO DO DIÂMETRO DE PARTÍCULAS DE ESPÉCIES DE COBALTO EM CATALISADORES SUPORTADOS EM γ ALUMINA. , 0, , .		0
35365	Reconstruction of PEM fuel cell electrodes with micro- and nano-structures. , 2015, , 71-102.		0
35366	Design of Low Power CNTFET Based D Flip Flop using Sleep Transistor Technique. International Journal of Engineering Research & Technology, 2015, V4, .	0.2	1
35367	BİYOKİMYA ve KLİNİK RNEKLERDE ÖRGANİK VE ORGANİK TAYİRLERİN ANALİZİNE KARBON NANOTAYİRLERİ UYGULAMALARI. Marmara Pharmaceutical Journal, 2015, 19, .	0.5	0
35368	Formation of Nanocolumnar Structures under Magnetron Growth of Europium-oxide-doped Carbon nitride Films. Journal of Nanoscience With Advanced Technology, 2015, 1, 1-5.	0.8	2
35369	Dopamine determination using a biosensor based on multiwall carbon nanotubes paste and burley tobacco-peroxidase. Analytical Science and Technology, 2015, 28, 98-105.	0.3	1
35370	Nanoquímica: Ingeniería de Nanomateriales. Mundo Nano Revista Interdisciplinaria En Nanociencia Y Nanotecnología, 2015, 1, .	0.1	0
35371	Membranes in Power Generation: A Review of Current Uses and Emerging Applications. , 2015, , 504-523.		0
35372	Reconstruction of PEM fuel cell electrodes with micro- and nano-structures. Sustainable Energy Developments, 2015, , 37-67.	0.3	0
35373	Estimation of the mechanical properties of nanocomposites based on the properties prediction of single wall carbon nanotubes (SWCNT). Materialprüfung/Materials Testing, 2015, 57, 447-457.	2.2	3
35375	C60 to CNT- CNF “Buckypaper: Wonder Platforms for Nanomedicine Applications. Journal of Nanomedicine Research, 2015, 2, .	1.8	0
35376	Nonlinear Bending Analysis of Sector Graphene Sheet Embedded in Elastic Matrix Based on Nonlocal Continuum Mechanics. International Journal of Engineering, Transactions B: Applications, 2015, 28, .	0.7	1
35377	CNT/POLYMER COMPOSITES FROM CHEMISTRY, MECHANICS AND PHYSICS ASPECTS. , 2015, , 145-190.		0

#	ARTICLE	IF	CITATIONS
35378	Robust Aligned Carbon Nanotube Tape with Excellent Piezoelectric Properties. Recent Patents on Space Technology, 2015, 4, 110-118.	0.1	0
35379	EFFECT OF HEXAMETHYLENEDIAMINE FUNCTIONALIZATION OF CNT ON EPOXY RESIN MECHANICAL PROPERTY. , 0, , .		0
35380	Mathematical Modeling and Experimental Evaluation of the Tensile Properties of Multiwalled Carbon Nanotubes filled Acrylonitrile Butadiene Styrene Composites. I-manager S Journal on Material Science, 2015, 3, 23-30.	0.2	1
35382	A comparison of electrical properties of carbon nanotube-loaded resins. International Journal of Computational Methods and Experimental Measurements, 2015, 3, 89-100.	0.2	1
35384	COMPORTAMENTO MECÂNICO DE NANOCOMPÓSITOS NANOTUBO DE CARBONO/POLIETILENO. , 0, , .		0
35386	Theoretical Modeling of a Photodetector Based on Ballistic Carbon Nanotube with VHDL-AMS. International Letters of Chemistry, Physics and Astronomy, 0, 55, 112-118.	0.0	0
35388	Role of Top and Interlayer Metal Nanoparticle Grafting on CNTs: Improved Raman Scattering and Electron Emission Investigations. , 2015, , 58-81.		0
35389	Carbon Allotropes and Fascinated Nanostructures: The High-Impact Engineering Materials of the Millennium. , 2015, , 2-27.		2
35391	Prediction of the elastic modulus of SWCNT/epoxy composite based on the micromechanics. Materialprüfung/Materials Testing, 2015, 57, 690-696.	2.2	1
35392	De la simple hélice aux nanostructures tubulaires. , 2015, , 34-38.	0.1	0
35395	Synthesis of composite sorbent for removing heavy metal ions from wastewater. Eastern-European Journal of Enterprise Technologies, 2015, 4, 4.	0.5	0
35396	UPDATE ON CNT/POLYMER NANO-COMPOSITES: FROM THEORY TO APPLICATIONS. , 2015, , 201-282.		0
35397	Fabrication And Characterization Of SWCNT- Reinforced Polyester Nanocomposites Using Tensile Test And Nanoindentation Techniques. Advanced Materials Letters, 2015, 6, 711-716.	0.6	1
35399	Synthesis, Modification, and Characterization of Nanocarbon Electrodes for Determination of Nucleic Acids. , 2016, , 241-281.		0
35400	Electrochemical Sensors Based on Nanostructured Materials. , 2016, , 1143-1160.		0
35401	Optimization of process parameters for electrophoretic deposition in carbon nanotubes/carbon fiber hybrid composites. WIT Transactions on State-of-the-art in Science and Engineering, 2015, , 53-62.	0.0	0
35402	Overview of the Field. , 2016, , 23-93.		0
35404	Characterization of multifunctional nanocomposites with respect to their electrical properties. WIT Transactions on State-of-the-art in Science and Engineering, 2015, , 211-224.	0.0	0

#	ARTICLE	IF	CITATIONS
35428	The Tube Length Dependence of HOMO-LUMO Gap in Armchair \pm -Graphyne Nanotube. Journal of Computer Chemistry Japan, 2016, 15, 57-59.	0.1	1
35429	Direct Synthesis of Carbon Nanotubes at Low Temperature by the Reaction of CCl ₄ and Ferrocene. , 2016, , 593-598.		0
35430	Modified Coated Copper Wire as a New Fiber for SPME-GC Analysis of Some Polycyclic Aromatic Hydrocarbons. Materials Sciences and Applications, 2016, 07, 316-325.	0.4	0
35431	CNT Handling and Integration. , 2016, , 1-22.		0
35432	Temperature Effect of CNTFET under Different Dielectric Materials. International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, 2016, 4, 60-63.	0.2	0
35433	Synthesis of Carbon Nanotubes. , 2016, , 4003-4010.		1
35434	Physical Vapor Deposition. , 2016, , 3176-3183.		0
35435	Study of Nickel Catalysts Deposited by Using the Electroless Plating Method and Growth of the Multiwall Carbon Nanotubes. Lecture Notes in Electrical Engineering, 2016, , 357-364.	0.4	0
35436	Effective wavelength and resonance characteristics of carbon nanotube optical antenna. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 097801.	0.5	0
35437	Performance Analysis of Current Ratio under Different Dielectric Constant for Carbon Nanotube Field Effect Transistor. International Journal of Advanced Research in Computer and Communication Engineering, 2016, 5, 151-153.	0.2	0
35438	Thermal-Mechanical Vibration and Stability Analysis of Fluid-Conveying Carbon Nanotubes under Magnetic Field. Open Journal of Acoustics and Vibration, 2016, 04, 11-18.	0.0	0
35439	Fundamental Structural, Electronic, and Chemical Properties of Carbon Nanostructures: Graphene, Fullerenes, Carbon Nanotubes, and Their Derivatives. , 2016, , 1-84.		0
35440	Theoretical Investigation of Field Emission of Aligned Carbon Nanotubes Grown by DC HF CVD Process. Current Physical Chemistry, 2016, 5, 109-121.	0.2	0
35441	Field evaporation behaviour for carbon nanotube thin-film. Wuli Xuebao/Acta Physica Sinica, 2016, 65, 097901.	0.5	0
35442	Density Functional Theory Research of the Electronic Structure of Armchair Type Multi-Walled Silicon Nanotubes. Material Sciences, 2016, 06, 207-213.	0.0	0
35443	Mikro-Nano-Integration. Technik Im Fokus, 2016, , 117-126.	0.2	0
35444	Nanostructures and Characteristics of Carbon Nanofibers. , 2016, , 2747-2764.		0
35447	Immunotherapy and Vaccines. , 2016, , 441-464.		0

#	ARTICLE	IF	CITATIONS
35448	Direct Current Generation in Carbon Nanotubes by Terahertz Field. World Journal of Condensed Matter Physics, 2016, 06, 56-62.	0.2	1
35449	Chemical Forces: Nanoparticles. , 2016, , 1-23.		0
35450	Light-Element Nanotubes and Related Structures. , 2016, , 1792-1802.		0
35451	Hydrothermally Synthesis Nanostructure ZnO Thin Film for Photocatalysis Application. KEPKO Journal on Electric Power and Energy, 2016, 2, 97-101.	0.1	0
35452	Effects of Carbon Nanotube Addition on the Mechanical Properties of Dental Glassionomer Cement. Korean Journal of Dental Materials, 2016, 43, 43-50.	0.1	2
35453	On the buckling and vibrational response of carbon nanotubes with spiral deformation. Journal of Theoretical and Applied Mechanics, 0, , 613.	0.5	1
35454	CNT/POLYMER NANOCOMPOSITES: A DETAILED REVIEW ON MATHEMATICAL MODELING AND EXPERIMENTAL CASE STUDIES. , 2016, , 169-276.		0
35455	Carbon Electronics. , 2016, , 93-118.		0
35456	Molecular Simulations of In-Plane Stiffness and Shear Modulus of Double-Walled Carbon Nanotubes. , 2016, , 388-395.		0
35457	Carbon Nanotube-/Graphene-Reinforced Ceramic Composites. , 2017, , 599-625.		1
35458	Facile Route to Generate Fuel Oil via Catalytic Pyrolysis of Waste Polypropylene Bags: Towards Waste Management of >20 1/4m Plastic Bags. , 2016, , 155-176.		0
35459	Thermo-Mechanical Vibration of Size Dependent Shear Deformable Functionally Graded Conical Nanoshell Resting On Elastic Foundation. International Journal of Engineering and Applied Sciences, 2016, 8, 68-68.	0.1	1
35460	Combination Effect of Waviness and Vacancy Defects on the Natural Frequency of Single Walled Carbon Nanotubes. Journal of Computational and Theoretical Nanoscience, 2016, 13, 5031-5036.	0.4	1
35463	Thermal loading effects on electro-mechanical vibration behavior of piezoelectrically actuated inhomogeneous size-dependent Timoshenko nanobeams. Advances in Nano Research, 2016, 4, 197-228.	0.9	5
35465	Carbon Nanotube-Induced Targeted Drug Delivery. , 2016, , 403-431.		0
35466	Lymphatic Drug Targeting. , 2016, , 161-176.		0
35467	Package of double helical bromine chains inside single-walled carbon nanotubes. Modern Physics Letters B, 2016, 30, 1650359.	1.9	0
35468	Carbon-Based Tunnel Field-Effect Transistor. , 2016, , 169-198.		0

#	ARTICLE	IF	CITATIONS
35469	Chapter 1 Advanced Anode Catalysts for Direct Alcohol Fuel Cells. , 2016, , 1-62.		0
35472	Nanotechnology: Plasma-Based. , 2016, , 874-886.		0
35474	Development of Interconnect Process Technology for 5 nm Technology Nodes. Journal of the Microelectronics and Packaging Society, 2016, 23, 25-29.	0.1	0
35475	Effect of the chemical nature of the support on the structural parameters of carbon nanotubes obtained from ethylene on Ni-, Co- and Fe-containing catalysts. Surface, 2016, 8(23), 147-157.	0.2	0
35476	Effect of Rotary Inertia on Vibrational Response of Embedded Graphene Sheets. International Journal of Engineering and Applied Sciences, 2016, 8, 75-75.	0.1	0
35477	Introduction of nanocomposites in electrochemical sensors. , 2016, , 21-44.		0
35478	Development and Modification of Natural Rubber for Advanced Application. Advances in Environmental Engineering and Green Technologies Book Series, 2017, , 44-76.	0.4	1
35479	Structural and electronic properties of T-graphene and its derivatives. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 166101.	0.5	0
35480	GAS Sensor Modelling and Simulation. Advances in Computer and Electrical Engineering Book Series, 2017,, 70-116.	0.3	1
35481	Sensing the Presence and Amount of Microbes Using Double Walled Carbon Nanotubes. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 78-117.	0.3	1
35482	Application of Carbon Nanotubes in Nanomedicine. , 2017, , 2021-2062.		3
35483	The Potential Matrix and Reinforcement Materials for the Preparation of the Scaffolds Reinforced by Fibers or Tubes for Tissue Repair. , 2017, , 25-77.		0
35485	A Composite Based On Epoxy Polymer and Carbon Nanotubes: Structure, Optical Properties and Interaction with Microwave Radiation. Advanced Materials & Technologies, 2017, , 019-025.	0.2	4
35486	Elaboration and Magnetic Properties of Cobalt-Palladium Magnetic Nanowires Encapsulated in Carbon Nanotubes. Journal of Surface Engineered Materials and Advanced Technology, 2017, 07, 1-12.	0.2	0
35487	Multiwalled Carbon Nanotubes. , 2017, , 97-120.		0
35488	Nanocomposites: Future Trends and Perspectives Towards Affinity Biosensor. , 2017, , 319-359.		0
35489	The Research Advances on Carbon Nanotubes/Polymer Nanocomposites. Advances in Material Chemistry, 2017, 05, 70-79.	0.0	1
35491	Structural derivative and electronic properties of zigzag carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 093601.	0.5	2

#	ARTICLE	IF	CITATIONS
35492	Fabrication and Physical Properties of Nanoscale Spin Devices Based on Organic Semiconductors. , 2017, , 483-521.		0
35493	Fullerenes. , 2017, , 41-74.		0
35494	Therapeutic Applications of Nanobiomaterials. Advances in Medical Technologies and Clinical Practice Book Series, 2017, , 390-412.	0.3	0
35495	Characteristic Polynomial in Assessment of Carbon-Nano Structures. Advances in Chemical and Materials Engineering Book Series, 2017, , 122-147.	0.3	0
35496	Scientific Background. , 2017, , 53-82.		0
35497	New Applied Technology Employing Carbon Materials to Establish Low Carbon Society. Journal of Japan Institute of Electronics Packaging, 2017, 20, 38-42.	0.1	0
35498	Single-Walled Carbon Nanotubes. , 2017, , 75-96.		0
35499	Research Progress of Carbon Nanotubes Field-Emission Current Saturation. Applied Physics, 2017, 07, 223-234.	0.0	0
35500	Polymer- and Carbon-Based Nanofibres for Energy Storage. Engineering Materials and Processes, 2017, , 307-335.	0.4	0
35501	Ground state properties and spectral properties of borospherene B40 under different external electric fields. Wuli Xuebao/Acta Physica Sinica, 2017, 66, 103102.	0.5	4
35502	Main Allotropes of Carbon. Advances in Chemical and Materials Engineering Book Series, 2017, , 185-213.	0.3	3
35504	A Study on Interfacial Shear Stress for Carbon Nanotube Composites. Material Sciences, 2017, 07, 440-449.	0.0	0
35505	Performance analysis of CNTFET based low energy and low power adiabatic logic design. , 2017, , .		0
35506	Electronic setup for fluorescence emission measurements and long-time constant-temperature maintenance of Single-Walled Carbon Nano-Tubes in water solutions. Acta Scientifica Naturalis, 2017, 4, 61-69.	0.1	2
35507	Mechanical Properties of MWCNTs/PA66 Composites under Impact Loading. DEStech Transactions on Engineering and Technology Research, 2017, , .	0.0	0
35508	BUCKLING BEHAVIOUR OF SINGLE-WALLED CARBON NANOTUBES UNDER AXIAL LOADING. Advances in Science and Technology Research Journal, 2017, 11, 208-211.	0.8	0
35509	Effect of Graphite Electrode Geometry and Combination on Nanocarbon Synthesis using Underwater Discharge Plasma. Journal of the Korean Institute of Surface Engineering, 2017, 50, 108-113.	0.1	0
35510	A Study on Characteristics of Surface Heating Element for Preventing Freezing in Polar Marine Using CNT-based Advanced Materials. Journal of the Korean Society of Mechanical Technology, 2017, 19, 274-280.	0.1	0

#	ARTICLE	IF	CITATIONS
35511	Nanomechanics of carbon nanotubes. Proceedings of SPIE, 2017, , .	0.8	0
35512	Calculation of carbon nanotubes zone structure through dispersive relation for graphen energy. Politechnical Student Journal, 2017, , .	0.0	0
35513	Carbon Nanotube-Graphene hybrid: Recent Synthesis Methodologies and Applications. International Journal of Engineering Technology and Sciences, 2017, 4, 72-91.	0.4	0
35514	Influence of Interphase Properties on the Behavior of Wavy Carbon Nanotube Reinforced Composites. , 0, , .		0
35516	Carbon Nanotubes From Electrodynamics to Signal Propagation Models. , 2017, , 1-24.		1
35518	Development of Nanotechnology in India: A Review. IOSR Journal of Applied Physics, 2017, 09, 45-50.	0.1	3
35519	Molecular Dynamics Studies of Load Transfer in Nanocomposites Reinforced by Defective Carbon Nanotube. , 2018, , 71-121.		0
35520	Silicon nanowires as electron field emitters. Series in Materials Science and Engineering, 2017, , 435-454.	0.1	0
35521	Aerogels: Cellulose-Based. , 2017, , 19-57.		0
35522	The effect of uniaxial and torsional strains on the Density of States of Single Walled Carbon Nanotubes. Scientia Iranica, 2017, .	0.4	0
35523	Fundamentals of silicene. Series in Materials Science and Engineering, 2017, , 107-148.	0.1	0
35524	Amorphous silicon nanotubes. Series in Materials Science and Engineering, 2017, , 565-590.	0.1	0
35525	Preparation of SWCNT by Utilizing Porous Glass, and its Application. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2017, 68, 425-429.	0.2	0
35526	Fundamentals of silicon nanotubes. Series in Materials Science and Engineering, 2017, , 537-564.	0.1	0
35527	Chapter 20: Carbon Nanotubes as Functional Excipients for Nanomedicines: II. Pharmaceutical Properties. , 2017, , 523-548.		0
35528	Carbon Nanotube Starts to Become Widely Used •Recent Development and the Future. Seikei-Kakou, 2017, 29, 370-373.	0.0	0
35529	Fabrication of Back Gate CNTFET Toward the DNA Sensor Application. IFMBE Proceedings, 2018, , 375-379.	0.3	0
35530	Micro/Nanoelectromechanical Systems. , 2017, , 297-318.		0

#	ARTICLE	IF	CITATIONS
35531	Cellular Interfacing with Arrays of Vertically Aligned Carbon Nanofibers and Nanofiber-Templated Materials. , 2017, , 177-202.		0
35532	THE INVESTIGATION ON ELECTRICAL AND OPTICAL PROPERTIES OF CdO/CNT NANOCOMPOSITE. Turkish Journal of Engineering, 2017, 1, 18-22.	1.2	0
35533	Self-Assembled Organic Nanotubes: Novel Bionanomaterials for Orthopedics and Tissue Engineering. , 2017, , 17-46.		0
35534	Switch-on Phenomena and Field Emission from Single-Walled Carbon Nanotubes Embedded in Glass. Applied Microscopy, 2017, 47, 86-94.	1.4	2
35535	Synthesis, Properties, and Applications of Carbon Nanotubes. , 2017, , 107-134.		0
35537	Natural Frequency of CNT Reinforced Composites Using Finite Element Method. International Journal for Research in Applied Science and Engineering Technology, 2017, V, 1178-1184.	0.1	0
35540	Background of the Study. Springer Series in Materials Science, 2018, , 13-37.	0.6	0
35541	Comparison of small scale effect theories for buckling analysis of nanobeams. International Journal of Engineering and Applied Sciences, 2017, 9, 87-97.	0.1	5
35543	Modeling and quantitative analysis of connectivity and conductivity in random networks of nanotubes. Eastern-European Journal of Enterprise Technologies, 2017, 5, 4-12.	0.5	8
35545	Adsorption of Cadmium Ions from Water on Double-walled Carbon Nanotubes/Iron Oxide Composite. Chemistry Journal of Moldova, 2017, 12, 71-78.	0.6	1
35546	Influence of Carbon Nanotubes in Nano-carboapatite. , 0, , .		0
35547	Lattice dynamics of carbon nanotube interacting with hydroxyapatite. , 0, , .		0
35548	Modification of Functionalized Multi Walled Carbon Nanotubes by Olive Oil as Economic Method for Bacterial Capture and Prevention. Biosciences, Biotechnology Research Asia, 2017, 14, 1513-1522.	0.5	1
35549	Carbon nanostructures: scientometric analysis for 2000-2015 (part 1). Biblosfera, 2017, , 101-107.	0.3	0
35550	A Recent Progress in Nanocarbon Research and Development. Seikei-Kakou, 2017, 30, 2-5.	0.0	0
35551	Cup-Stacked Type Carbon Nanotubes and its application. Seikei-Kakou, 2017, 30, 11-16.	0.0	0
35552	Design and Manufacturing of CNT-Based Nanodevices for Optical Sensing Applications. , 2017, , 399-424.		0
35553	Electronic and Optical Properties of Graphite-Related Systems. , 0, , .		2

#	ARTICLE	IF	CITATIONS
35554	Fabrication of Dielectrically Sensitive Carbon Nanotube/Polyethylene Nanohybrid Shish-Kebab Structure for Potential Tissue Engineering Applications. Nanoscience and Nanotechnology Letters, 2017, 9, 1899-1908.	0.4	0
35555	Nanocomposites for Structural and Energy Applications. , 2018, , 1-23.		0
35556	Engineered Nanomaterials in the Environment, their Potential Fate and Behaviour and Emerging Techniques to Measure Them. , 2018, , 1-15.		0
35557	Eco-polymer and Carbon Nanotube Composite: Safe Technology. , 2018, , 1-16.		0
35558	Nanotubes and Their Applications in Telecommunications. , 2017, , 75-116.		0
35559	Controlled Synthesis of Carbon Nanotubes Using Chemical Vapor Deposition Methods. , 2017, , 79-105.		0
35560	THE USE OF CARBON-NANOTUBES FOR REMOVAL OF BACTERIAL PATHOGENS FROM RIVER WATER. Journal of Al-Azhar University Engineering Sector, 2018, 13, 78-93.	0.1	0
35561	Geometrical and Electronic Structures of (8, 0) SiCNTs: A First-Principles Study. Advances in Condensed Matter Physics, 2018, 07, 85-89.	0.1	0
35562	Review of fabrication methods, physical properties, and applications of twisted bilayer graphene. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 246802.	0.5	3
35563	Molecular dynamics study on permeability of water in graphene-carbon nanotube hybrid structure. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 056102.	0.5	3
35564	Basic Electrochemistry of CPs. , 2018, , 283-309.		0
35566	Synthesis of Heteroatom-Containing Curved π -Conjugated Molecules. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2018, 76, 37-44.	0.1	0
35567	Graphite. , 2018, , 81-87.		0
35568	Funktionswerkstoffe. , 2018, , 19-128.		0
35569	Chapter 6. Carbon Nanomaterials for Advanced Analytical Micro- and Nanotechnologies. RSC Detection Science, 2018, , 200-240.	0.0	0
35570	Influences of hydroxyl groups on friction behavior and energy dissipation of carbon nanotube. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 076101.	0.5	0
35571	Introduction to hydrogen storage in carbon materials. , 2018, , 333-341.		0
35572	Miscellaneous CNT Applications. , 2018, , 89-90.		0

#	ARTICLE	IF	CITATIONS
35573	CNT Applications in Specialized Materials. , 2018, , 45-48.		0
35574	Structural Aspects and Morphology of CPs. , 2018, , 389-402.		0
35575	Properties of 63Sn-37Pb and Sn-3.8Ag-0.7Cu Solders Reinforced with Single-Wall Carbon Nanotubes. , 2018, , 649-676.		0
35576	SIMPLE, ECONOMICAL, SCALABLE AND SUSTAINABLE ROUTE FOR FUNCTIONALIZATION BNNTS. , 0, , .		0
35577	Recent advances in the application of polymer-based nanocomposites for removal of hazardous substances from water and wastewater. , 2018, , 499-540.		1
35578	CHARACTERIZATION OF ULTRA-HIGH-PERFORMANCE CEMENTITIOUS COMPOSITE INCORPORATING CARBON NANOTUBES. Jurnal Teknologi (Sciences and Engineering), 2018, 80, .	0.4	1
35579	Atomistic Simulation of Boron Nitride Nanotubes Under Bending. Lecture Notes in Mechanical Engineering, 2018, , 171-179.	0.4	0
35580	Electronic Structure and Conduction Models of Graphene. , 2018, , 101-106.		0
35581	Electrochromics. , 2018, , 601-624.		1
35582	Classes of CPs: Part 1. , 2018, , 489-507.		0
35583	Electro-Optic and Optical Devices. , 2018, , 671-684.		2
35584	Conduction Models and Electronic Structure of CNTs. , 2018, , 11-16.		0
35585	Miscellaneous Applications. , 2018, , 695-715.		0
35586	MOLECULAR DYNAMICS ANALYSIS OF PECULIAR CROSS-SECTIONAL BUCKLING BEHAVIORS IN MULTI-WALLED CARBON NANOTUBES. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2018, 74, 51-62.	0.1	0
35587	Response of methane production via propionate oxidation to carboxylated multiwalled carbon nanotubes in paddy soil enrichments. PeerJ, 2018, 6, e4267.	2.0	1
35588	Introduction to hydrogen technology applications. , 2018, , 363-365.		0
35589	Therapeutic Applications of Nanobiomaterials. , 2018, , 1205-1227.		1
35590	Nonlinear Bending of Piezoelectric Plate Reinforced with BNNTs under ElectroqThermo-Mechanical Loading. Material Sciences, 2018, 08, 742-751.	0.0	0

#	ARTICLE	IF	CITATIONS
35592	Guideline of Innovative Processing and Control System. Yosetsu Gakkai Shi/Journal of the Japan Welding Society, 2018, 87, 458-463.	0.1	0
35593	Thermal Vibration of Carbon Nanostructures. , 2018, , 1-61.		0
35594	CNT Applications in the Environment and in Materials Used in Separation Science. , 2018, , 81-87.		0
35595	Graphene Applications in Displays and Transparent, Conductive Films/Substrates. , 2018, , 147-148.		0
35596	Classes of CPs: Part 2. , 2018, , 509-545.		0
35597	Introducing Conducting Polymers (CPs). , 2018, , 159-174.		0
35598	Syntheses and Processing of CPs. , 2018, , 311-388.		0
35599	Hydrogen storage in activated carbon materials. , 2018, , 342-357.		0
35600	EFFECT OF MULTI PASS HIGH ENERGY MILLING ON MORPHOLOGY AND RHEOLOGICAL PROPERTIES OF CARBON NANOTUBES. Metallurgi, 2014, 29, 103.	0.2	0
35601	Algal Microbial Fuel Cellsâ€™Natureâ€™s Perpetual Energy Resource. , 2018, , 81-116.		1
35602	Applications of new exfoliation technique in study of two-dimensional materials. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 218201.	0.5	4
35603	Carbon Nanotubes for Thermal Management of Microsystems. , 2018, , 775-791.		0
35604	Analysis of Styrene Polymerization Without Surfactant and N2 Gas in Cylindrical Flask.. Materials Research, 2017, 20, 800-807.	1.3	1
35605	Physical, Mechanical, and Thermal Properties of CNTs. , 2018, , 33-36.		0
35606	CNT Applications in Electrical Conductors, â€™Quantum Nanowires,â€™and Potential Superconductors. , 2018, , 77-79.		1
35607	Toxicology of CNTs. , 2018, , 37-39.		0
35608	Directional Interlaminar Shear Strength (ILSS) of nano-modified epoxy/unidirectional glass fibre composite. AIMS Materials Science, 2018, 5, 603-613.	1.4	2
35609	Disperse Systems with the Multi-Walled Carbon Nanotubes.. Bulletin of the South Ural State University Series Chemistry, 2018, 10, 5-14.	0.2	0

#	ARTICLE	IF	CITATIONS
35610	Synthesis, Purification, and Chemical Modification of CNTs. , 2018, , 17-31.		0
35611	Static Analysis of FG-CNTRC Plates Using C0-HSDT. Lecture Notes in Mechanical Engineering, 2018, , 357-367.	0.4	0
35612	Introducing Graphene. , 2018, , 93-99.		0
35613	Recent Advances in the Theory of Non-carbon Nanotubes. , 2018, , 352-391.		1
35614	Cable Dynamics and Control at the Simultaneous Deployment of the Cables from GEO Station during Space Elevator Construction. Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan, 2018, 16, 165-171.	0.2	0
35615	An analytical study on buckling behavior of CNT/polymer composite plates using first order shear deformation theory. Journal of Theoretical and Applied Mechanics, 0, , 71.	0.5	4
35617	Conduction Models and Electronic Structure of CPs. , 2018, , 175-249.		1
35618	Brief, General Overview of Applications. , 2018, , 123-124.		0
35619	Electrochemomechanical, Chemomechanical, and Related Devices. , 2018, , 685-693.		0
35620	Displays, Including Light-Emitting Diodes (LEDs) and Conductive Films. , 2018, , 625-654.		0
35622	High Performance of MWCNT/GO/CA Composite Membranes for MB Adsorption. Material Sciences, 2018, 08, 412-421.	0.0	0
35623	Carbon Nanomaterials in Sample Preparation. RSC Detection Science, 2018, , 37-68.	0.0	0
35624	Flows in Nanochannels. , 2018, , 1-13.		0
35625	Advanced Nanoengineered Materials. , 2018, , 275-304.		0
35626	Laser-assisted field emission in single-walled carbon nanotubes. , 2018, , .		0
35627	EFFECT OF SYNTHESIZING PARAMETERS ON MORPHOLOGY AND DIAMETER OF CARBON NANOTUBES GROWN BY THERMAL CVD METHOD. Science and Technology, 2018, 54, 91.	0.2	0
35628	Environmental Toxicity of Nanomaterials. , 0, , .		3
35629	Buckling Analysis of Hetero-Junction Carbon Nanotubes. Strojnický Casopis, 2018, 68, 9-16.	0.9	4

#	ARTICLE	IF	CITATIONS
35630	Carbon Nanotubes Properties and Applications. Advances in Bioengineering and Biomedical Science Research, 2018, 1, .	0.0	31
35631	Carbon Nanotube Beam Model and Free Vibration Analysis. International Journal of Engineering and Applied Sciences, 2018, 10, 1-4.	0.1	2
35632	Investigation of Mechanical Behavior of Carbon Nanotube Reinforced Aluminum Matrix AlMg / KNT Composites. Ėžanakkale Onsekiz Mart Ėœniversitesi Fen Bilimleri EnstitĖ'sĖ Dergisi, 2018, 4, 99-109.	0.2	5
35633	Elastic Beam Model and Bending Analysis of Silver Nanowires. International Journal of Engineering and Applied Sciences, 2018, 10, 13-20.	0.1	2
35634	Selected issues of research on carbon materials. InĖynieria Powierzchni, 2018, 23, 61-74.	0.1	0
35635	Development of a New Quantum Transport Simulation Method Applicable to Super-micro-scale Systems. Vacuum and Surface Science, 2018, 61, 360-365.	0.1	0
35636	Multi Walled Carbon Nano Tubes and Ferric Oxide Nanomaterial as Adsorbents for Removal of Some Heavy Metals from Contaminated Water (Ground and Industrial Waste Water). Annals of Agricultural Science Moshtohor, 2018, 56, 317-328.	0.1	0
35637	Development of Nanocarbon Materials and Its Application. Seikei-Kakou, 2018, 30, 365-370.	0.0	0
35638	Carbon nanotubes with controlled length Ėœ preparation, characterization and their cytocompatibility effects. Polish Journal of Chemical Technology, 2018, 20, 71-79.	0.5	3
35639	AlĖminyum Matriksli Malzemelere KNT takviyesi ile geliĖtirilen Metal Matriksli (MMK) Kompozitlerin MikroyapĖ ve Mekanik Ėzelliklerinin Ėncelenmesi. Academic Platform Journal of Engineering and Science, 0, , 162-165.	0.6	0
35640	Graphene/Carbon Nanotube Aerogels. , 2018, , 563-578.		1
35641	Nano-cameras. , 2018, , .		9
35642	Electrical Propagation on Carbon Nanotubes: From Electrodynamics to Circuit Models. , 2018, , 17-42.		0
35644	Carbon Fiber Reinforced Polymers (CFRP) for Strengthening and Seismic Retrofitting of Historic Circular Masonry Stone Columns. Sustainable Civil Infrastructures, 2019, , 114-137.	0.2	1
35645	Peculiarities of Electrical Conductivity of Metal/Carbon Nanotubes Array. Metallofizika I Noveishie Tekhnologii, 2018, 40, 749-758.	0.5	2
35646	Electronic Properties of Carbon Nanotubes. Advances in Materials Science and Engineering, 2018, 2, .	0.3	0
35647	Multi-Walled CNT Reinforcement to Thermal Spray Coatings. Asian Journal of Engineering and Applied Technology, 2018, 7, 93-98.	0.1	1
35649	Progress on Carbon Nanotube Pull-Out Simulation With Particular Application on Polymer Matrix Via Finite Element Model Method. , 2018, , 73-99.		0

#	ARTICLE	IF	CITATION
35650	Carbon nanotube fibers doped with iron via Fenton reaction. , 2018, , .		0
35651	Carbon and Core Shell like Molecular Nanostructures in Cancer diagnosis and Therapy. Advances in Nanoscience and Nanotechnology, 2018, 2, .	0.1	0
35652	From Nanomaterials and Nanotechnologies to the Alternative Energy. Progress in Physics of Metals, 2018, 19, 442-486.	1.5	1
35653	Electrochemical Behavior of Cholecalciferol on a Multiwalled Carbon Nanotube Modified Glassy Carbon Electrode. Cumhuriyet Science Journal, 2018, 39, 1081-1088.	0.3	10
35654	Synthesis and Characteristics of Carbon Nanotube Using Plasma Arc Discharge. ELEKTRIKA- Journal of Electrical Engineering, 2018, 17, 20-22.	0.3	0
35655	ĐžĐ;ĐžĐ'Đ»Đ'ĐžĐ;ĐĐĐ† ĐĐžĐ;ĐĐĐŁ Đ† Đ'ĐŁĐ"ĐžĐ'Đ~ ĐšĐĐĐžĐ"ĐĐžĐ"Đž Đ"Đ•ĐŸĐžĐ—Đ'ĐĐĐŁ, ĐžĐĐĐĐ'Đ»ĐĐĐžĐ"Đž ĐŸĐ	0.0	0
35657	SOME STUDIES OF MECHANICAL AND THERMAL BEHAVIOUR OF CNT BASED E-GLASS FIBRE COMPOSITES. I-managerâ€™s Journal on Mechanical Engineering, 2019, 9, 18.	0.4	1
35658	Carbon Nanotube Applications Based on Synthesisand Dispersion Techniques. Journal of the Adhesion Society of Japan, 2019, 55, 35-41.	0.0	1
35659	Nanomaterials for Removal of Toxic Metals Ions from the Water. Advanced Structured Materials, 2019, , 159-174.	0.5	2
35660	Graphene and Graphene Oxide as Nanofiller for Polymer Blends. Carbon Nanostructures, 2019, , 231-257.	0.1	1
35661	Carbon Based Thermoelectric Materials. RSC Energy and Environment Series, 2019, , 133-169.	0.5	0
35662	Nio @ Paraffin Wax Soot Carbon Nano Composites for Congo Red Dye Removal from Waste Water. Journal of Environmental Nanotechnology, 2019, 8, 52-67.	0.3	0
35663	Simulation of static and dynamic mechanical characteristics of carbon nanotubes and carbon nano-peapods with defects. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 166101.	0.5	1
35664	Control of Electric Dipole Moment using Deformation induced by Functionalization of (5, 0) Zigzag Carbon Nanotubes as Gigahertz Oscillators. South African Journal of Chemistry, 2019, 72, 222-228.	0.6	0
35665	Perspectives for theÂField of Nanovaccines. , 2019, , 319-336.		2
35666	Interaction between borophene and graphene on a nanoscale. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 186801.	0.5	1
35667	Nanoparticles for Degradation of Organic Pollutants. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 241-267.	0.4	0
35668	Effects of Chemical Functionalization on Single-Walled Carbon Nanotubes by Mild Hydrogen Peroxide for PV Applications. Springer Proceedings in Physics, 2019, , 29-34.	0.2	0

#	ARTICLE	IF	CITATIONS
35669	Nanotube/Biopolymer Nanocomposites. , 2019, , 129-156.		0
35670	Eco-polymer and Carbon Nanotube Composite: Safe Technology. , 2019, , 2827-2842.		1
35672	Powder Metallurgy Processes for Composite Materials Integration. , 2019, , 241-253.		1
35673	Graphene-Based Nanocomposites for Renewable Energy Application. , 2019, , 1-36.		0
35674	Self-repairing process of defect graphene under metal atom catalysis. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 193101.	0.5	2
35675	Nanocomposites for Structural and Energy Applications. , 2019, , 833-854.		0
35676	Nanoparticles-based Electrochemical Sensors and Biosensors. RSC Catalysis Series, 2019, , 329-345.	0.1	2
35678	Nanotechnology in Dentistry: Past, Present, and Future. Pancreatic Islet Biology, 2019, , 197-216.	0.3	1
35679	Engineered Nanomaterials in the Environment, Their Potential Fate and Behavior and Emerging Techniques to Measure Them. , 2019, , 2191-2204.		1
35680	Thermal Vibration of Carbon Nanostructures. , 2019, , 421-481.		1
35681	Cathode Materials, Samples, Pristine, Layered, Doping, Discharge Capacity. , 2019, , 73-161.		0
35682	Application of Nanomaterials in the Treatment of Contaminated Soil. Hans Journal of Soil Science, 2019, 07, 161-169.	0.0	0
35683	Properties of Carbons. RSC Catalysis Series, 2019, , 4-15.	0.1	0
35684	Regulatory Normative of Nanomaterials for Their Use in Biomedicine. , 2019, , 195-208.		0
35685	Nanotechnology: Science and Technology at New Length Scale with Implications in Defense. , 2019, , 35-79.		0
35686	Poly(ethyleneimine) Doping of CNTFETs: Effect of Solvent and Optimization of Doping Parameters. Springer Proceedings in Physics, 2019, , 597-602.	0.2	0
35687	(Bio)degradable Polymer Nanocomposites for Environmental Protection. , 2019, , 1-27.		0
35688	Single-Walled Carbon Nanotubes/Poly Vinyl Chloride Nanocomposites and its Properties. Revista Materia, 2019, 24, .	0.2	1

#	ARTICLE	IF	CITATIONS
35689	Understanding the Pathogenicity of Noncoding RNA Expansion-Associated Neurodegenerative Disorders. , 2019, , 335-371.		0
35690	PANI/MWCNT based humidity sensor. Iraqi Journal of Physics, 2019, 15, 111-121.	0.4	1
35693	Carbon nanotubes: mechanisms of the action, biological markers and evaluation of the (review of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.5	4
35694	Friction and Wear Characteristics of Polymeric Composites Reinforced by Nano Particles and Impregnated with Paraffin Oil. Engineering Research Journal, 2019, 161, 1-17.	0.1	1
35695	Carbon Nanotubes: A Concise Review of The Synthesis Techniques, Properties, and Applications. , 2019, , 81-106.		0
35696	Monte Carlo Simulation of Gas Adsorption in Single Walled Nanotubes. , 2019, , 317-320.		0
35698	Determining the influence of carbon black in oil on the wear resistance of elements in the tribological system "steel â€“ oil â€“ bronze". Eastern-European Journal of Enterprise Technologies, 2019, 2, 51-58.	0.5	1
35699	Mechanical Properties of Multiwalled Carbon Nanotubeâ€“Reinforced Cement Composites. Materials Performance and Characterization, 2019, 8, 20180074.	0.3	0
35701	Mechanical Characterization of Nanomaterial Reinforced Aluminum-based Hybrid Nanocomposites. Advanced Nano Research, 2019, 2, 32-41.	0.8	1
35703	Smart Polymersâ€“Functionalized Carbon Nanotubes Delivery Systems. , 2019, , 41-66.		0
35704	Development of Spin-polarized Pulse-TEM. Materia Japan, 2019, 58, 269-274.	0.1	1
35705	Biomedical Applications VI: Carbon Nanotubes As Biosensing and Biointerfacial Materials. , 2019, , 185-222.		0
35706	Bio-inspired Surface Catalysis to Produce Graphene Nanoribbons. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2019, 77, 576-583.	0.1	0
35707	Photo-induced Aggregation of Single-walled Carbon Nanotubes from Dispersion by Using a Photochromic Dispersant. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 271-278.	0.3	0
35709	Distinct Element Simulation of Mechanical Properties of Hypothetical CNT Nanofabrics. Supercomputing Frontiers and Innovations, 2019, 6, .	0.4	0
35710	Estimation of Material Properties of Carbon Nanotubes Using Finite Element Method. Strojnický Casopis, 2019, 69, 7-14.	0.9	4
35711	Chitosan Grafted Carbon Nanotubes Reinforced Vinyl Ester/LUPE Blend Based Partially Bio-Nanocomposite. Asian Journal of Chemistry, 2019, 31, 1943-1948.	0.3	1
35713	Carbon Nanomaterialâ€“Based Membranes for Seawater Desalination. , 2019, , 425-462.		1

#	ARTICLE	IF	CITATIONS
35715	A Review of hybridization of carbon nanotube into graphene for gas sensor application. IOP Conference Series: Materials Science and Engineering, 0, 551, 012017.	0.6	0
35716	First-principles study of the single- and double-walled nanotubes of TiO ₂ . , 2019, , .		0
35717	EFFECT OF TEMPERATURE ON THE STRUCTURE AND PROPERTIES OF Fe ₂ O ₃ /GRAPHENE NANOCOMPOSITES SYNTHESIZED BY HYDROTHERMAL METHOD. Science and Technology, 2019, 57, 150.	0.2	0
35718	Development of Coordination Nanomaterials Situated in Dimensional Crossover Region. Bulletin of Japan Society of Coordination Chemistry, 2019, 74, 19-28.	0.2	0
35719	Chemical functionalization and characterization of carbon nanotubes. Tanso, 2019, 2019, 183-194.	0.1	0
35720	Preparation and Performance Analysis of Ophthalmic Polymer Using SWCNT and SWCCNT. Korean Journal of Materials Research, 2019, 29, 735-740.	0.2	1
35722	REVIEW OF USE OF NANO MATERIAL IN MODIFYING THE PROPERTIES OF CONCRETE. Journal of Mountain Area Research, 0, 4, 9.	0.0	0
35723	Twisted Bilayer Graphene Systems. , 2019, , 67-100.		0
35724	Experimental study of the behaviour of cement pastes in the presence of carbon nanotubes. , 0, , .		0
35725	Self-standing Nanoarchitectures. Engineering Materials, 2020, , 1-56.	0.6	0
35726	Preparation and transport properties of oriented buckypapers with single walled carbon nanotubes. Izvestiya Vysshikh Uchebnykh Zavedenii Materialy Elektronnoi Tekhniki = Materials of Electronics Engineering, 2019, 22, 104-111.	0.2	1
35727	Effect of Acid Treatment on the Functionalization of Surface, Structural and Textural Properties of Carbon Nanotubes Taunit. Eurasian Chemico-Technological Journal, 2019, 21, 291.	0.6	8
35728	Chemical Surface Modification and Characterization of Carbon Nanostructures Without Shape Damage. Materials Research, 2020, 23, .	1.3	7
35729	Preparation Methods and Advantages of Nano-Sorbents for Food Contaminants Determination. Food Engineering Series, 2020, , 49-96.	0.7	0
35730	CNTFETs. Advances in Computer and Electrical Engineering Book Series, 2020, , 1-14.	0.3	0
35731	Effect of irradiation and annealing on conductivity of the layers of multi-walled carbon nanotubes. AIP Conference Proceedings, 2020, , .	0.4	0
35732	Carbon-Based Tumour-targeted Systems. , 2020, , 231-269.		0
35733	Dynamic strain measurements on a cantilevered beam using CNT based strain sensor. AIP Conference Proceedings, 2020, , .	0.4	0

35735	$\text{BeB} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{4}$	0.5	4
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#	ARTICLE	IF	CITATIONS
35759	Challengeable Mechanical Issues in Microelectronic Packages for Developments. , 2021, , .		0
35760	Effect of light irradiation on heightened adsorption of dyes by hydrothermal carbon microspheres. Journal of Molecular Structure, 2022, 1250, 131813.	3.6	2
35761	Multi-Objective Optimization of Laminated Functionally Graded Carbon Nanotube-Reinforced Composite Plates Using Deep Feedforward Neural Networks-NSGAI1 Algorithm. International Journal of Computational Methods, 2022, 19, .	1.3	9
35762	Non-covalent interactions of cysteine onto C60, C59Si, and C59Ge: a DFT study. Journal of Molecular Modeling, 2021, 27, 330.	1.8	20
35763	Conical coiled carbon nanotubes with highly controllable mechanical properties. Materials Today Communications, 2021, 29, 102927.	1.9	3
35764	Advanced Carbon Materials Derived from Polybenzoxazines: A Review. Polymers, 2021, 13, 3775.	4.5	13
35765	Molecular analysis of out-plane displacement effect on temperature dependent properties of carbon nanotubes. Journal of Molecular Structure, 2022, 1250, 131835.	3.6	0
35766	Silica nanospheres as a key process element in the Green engineering for the synthesis of carbon nanotubes as a supercapacitors additives. Materials Research Bulletin, 2022, 146, 111620.	5.2	8
35767	Near-Infrared Inorganic Nanomaterials for Precise Diagnosis and Therapy. Frontiers in Bioengineering and Biotechnology, 2021, 9, 768927.	4.1	8
35768	Tailoring Aqueous Dispersibility and Biofunctionalization of Carbon Nanotubes Using Maleimide-Containing Clickable Polymers. ACS Applied Polymer Materials, 2021, 3, 5707-5716.	4.4	2
35769	Sesquicentennial birth anniversary of carbazole, a multifaceted wonder molecule: a revisit to its synthesis, photophysical and biological studies. Journal of the Iranian Chemical Society, 0, , 1.	2.2	7
35770	Thermal annealingâ€Enhanced bioelectrocatalysis in membraneâ€less glucose/O2 biofuel cell basedâ€on hydrophilic carbon fibresâ€. ChemElectroChem, 0, , .	3.4	1
35771	Nonlinear dynamic and bifurcations analysis of an axially moving circular cylindrical nanocomposite shell. International Journal of Mechanics and Materials in Design, 2022, 18, 125-154.	3.0	6
35772	Effect of Carbon Nanotubes and Porosity on Vibrational Behavior of Nanocomposite Structures: A Review. Archives of Computational Methods in Engineering, 2022, 29, 2621-2657.	10.2	8
35773	Modern Carbonâ€Based Materials for Adsorptive Removal of Organic and Inorganic Pollutants from Water and Wastewater. Molecules, 2021, 26, 6628.	3.8	37
35774	Comparison between the effects of partial replacement of carbon black by carbon nanotubes and graphene on the performances of natural rubber composites. Journal of Applied Polymer Science, 0, , 51837.	2.6	4
35775	Covalently Linked Porphyrins as One-Dimensional Conductors. Journal of Physical Chemistry Letters, 2021, 12, 10788-10792.	4.6	1
35776	Review of research on micromechanical properties of cement-based materials based on molecular dynamics simulation. Construction and Building Materials, 2021, 312, 125389.	7.2	27

#	ARTICLE	IF	CITATIONS
35777	Uncertainty analysis and stochastic characterization of carbon nanotube-based mass sensor with multiple deposited nanoparticles. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113182.	4.1	3
35778	QSPR Modeling of Adsorption of Pollutants by Carbon Nanotubes (CNTs). <i>Methods in Pharmacology and Toxicology</i> , 2020, , 477-511.	0.2	0
35779	Nanoporous Polymeric Membranes for Hydrogen Separation. <i>Green Energy and Technology</i> , 2020, , 355-376.	0.6	0
35780	Nanostructured advanced materials for hydrogen storage. , 2020, , 97-163.		2
35781	Electrostatic Problems Involving Two-Dimensional Electron Gases in Cylindrical Geometry. <i>Springer Series in Optical Sciences</i> , 2020, , 271-301.	0.7	0
35782	Antibacterial Activity by Functionalized Carbon Nanotubes. <i>Nanotechnology in the Life Sciences</i> , 2020, , 63-77.	0.6	3
35783	Hierarchical ordering in light-triggered additive manufacturing. <i>Polymer Chemistry</i> , 2020, 11, 7316-7329.	3.9	3
35786	Testing of pH Nanosensors Based on Polyaniline/Carbon Nanostructures Coated Screen Printed Electrode. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020, , 369-377.	0.3	1
35787	Protocols for Extraction of Pesticide Residues. <i>Sustainable Agriculture Reviews</i> , 2021, , 77-128.	1.1	0
35788	Electronic structures and band alignment transition in double-wall MoS ₂ /WS ₂ nanotubes for optoelectronic applications. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 095105.	2.8	2
35789	Effect of different vacuum on field emission of carbon nanotube arrays. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2020, 64, 675-683.	0.6	0
35790	Nanoparticles: Application in Biofuel Production Processes. <i>International Journal for Research in Applied Science and Engineering Technology</i> , 2020, 8, 763-774.	0.1	1
35791	Size Dependent Buckling Analysis of Hybrid Organic/Inorganic Nano-Sized I-Beam. <i>International Journal of Engineering and Applied Sciences</i> , 2020, 12, 153-162.	0.1	0
35792	Nanomaterials and Nanocomposites: Classification and Toxicity. , 2021, , 1-38.		1
35793	Carbon Nanotubesâ€™Potential of Use for Deep Bioimaging. , 2021, , 85-107.		1
35794	Thermal vibration of Zinc Oxide nanowires by using nonlocal finite element method. <i>International Journal of Engineering and Applied Sciences</i> , 2020, 12, 99-110.	0.1	2
35795	Modeling Carbon Nanotube Based Biosensors. <i>Springer Series on Chemical Sensors and Biosensors</i> , 2021, , 345-376.	0.5	0
35796	Synthesis and Optimization of Multiwalled Carbon Nanotubesâ€™Ferrihydrite Hybrid Composite. <i>Journal of Composites Science</i> , 2021, 5, 5.	3.0	0

#	ARTICLE	IF	CITATIONS
35797	Synthesis and Characterization of Poly (vinyl alcohol) / Fullerene C60 Membrane via Chemical and Radiation Crosslinking. Arab Journal of Nuclear Sciences and Applications, 2020, .	0.1	0
35798	Equivalent Circuit Modeling of a Dual-Gate Graphene FET. Electronics (Switzerland), 2021, 10, 63.	3.1	0
35799	Effect of bimetallic Co:Mo/MgO catalyst on the growth efficiency of single-walled carbon nanotubes. Journal of Applied Physics, 2020, 128, 225103.	2.5	4
35800	Molecular dynamics simulation for interfacial properties of carbon nanotube reinforced aluminum composites. Modelling and Simulation in Materials Science and Engineering, 2021, 29, 015004.	2.0	3
35801	Nonlinear vibration of nonlocal strain gradient nanotubes under longitudinal magnetic field. Vietnam Journal of Mechanics, 0, , .	0.5	1
35802	Pengaruh Temperatur Cetakan terhadap Kualitas Produk Komposit Aluminium - Multiwall Karbon Nanotube yang Dipabrikasi dengan Proses Stir Casting. Prosiding Seminar Nasional Teknoka, 0, 5, 249-259.	0.0	0
35803	Direct Growth of Carbon Nanotubes on Aluminum Foil by Atmospheric Pressure Microwave Plasma Chemical Vapor Deposition. Processes, 2021, 9, 36.	2.8	4
35804	Synthesis and Characterization of Carbon Nanotube Hydroxypropyl Methylcellulose Composites. IOP Conference Series: Materials Science and Engineering, 2020, 988, 012066.	0.6	1
35806	<i>In-situ</i> Study on Structure Dependent Quantized Conductance uncovered <i>via</i> Electron Crystallography. Nihon Kessho Gakkaishi, 2020, 62, 226-233.	0.0	0
35807	Dynamic quasi-continuum model for plate-type nano-materials and analysis of fundamental frequency. Applied Mathematics and Mechanics (English Edition), 2021, 42, 85-94.	3.6	2
35808	Ab Initio Study of Structural, Electronic, and Elastic Properties of Graphene. Physics of the Solid State, 2020, 62, 2467-2473.	0.6	0
35809	Fabrication of infrared-responsive carbon nanotube coating on glass surface through covalent bond formation using photoreactive silane coupling agent. Journal of the Ceramic Society of Japan, 2020, 128, 1066-1071.	1.1	0
35810	Radiative Non-Coaxial Rotation of Magnetohydrodynamic Newtonian Carbon Nanofluid Flow in Porous Medium with Heat and Mass Transfer Effects. Journal of Nanofluids, 2020, 9, 321-335.	2.7	1
35811	Effect of Reaction Temperature on the Growth of Carbon Nanotubes from Waste Natural Rubber Glove. Pertanika Journal of Science and Technology, 2020, 28, .	0.6	2
35812	High-Energy X-Ray Diffraction Study of Multiwalled Carbon Nanotubes Fabricated by Arc Discharge Plasma Process. SSRN Electronic Journal, 0, , .	0.4	0
35813	CHAPTER 4. Inorganic Nanotubes. RSC Nanoscience and Nanotechnology, 2021, , 240-356.	0.2	0
35815	Influence of MWCNTs on mechanical and viscoelastic properties of glass-carbon epoxy composite. AIP Conference Proceedings, 2021, , .	0.4	1
35817	A review of size-dependent continuum mechanics models for micro- and nano-structures. Thin-Walled Structures, 2022, 170, 108562.	5.3	78

#	ARTICLE	IF	CITATIONS
35818	CNT-Based Nano Medicine From Synthesis to Therapeutic Application. Advances in Medical Technologies and Clinical Practice Book Series, 2022, , 175-211.	0.3	0
35819	Carbon-Based Nanoparticle-Filled Protective Coatings for Enhanced Damage Tolerance and Corrosion Resistance of Structural Weldment. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	6
35820	A superhard carbon allotrope with cage structure: oS44-carbon. Journal of Solid State Chemistry, 2022, 305, 122653.	2.9	5
35821	How to create an artificial magnetosphere for Mars. Acta Astronautica, 2022, 190, 323-333.	3.2	8
35822	Hybrid organic polymer electrolytes for dye-sensitized solar cells. , 2022, , 181-212.		2
35823	A review on power management systems: An electronic tool to enable microbial fuel cells for powering range of electronic appliances. Journal of Power Sources, 2022, 517, 230688.	7.8	15
35824	Development of CNTs-CF-Al ₂ O ₃ -CMC gel-based cementitious repair composite. Journal of Building Engineering, 2022, 45, 103474.	3.4	4
35825	A state of the art overview of carbon-based composites applications for detecting and eliminating pharmaceuticals containing wastewater. Chemosphere, 2022, 288, 132535.	8.2	21
35826	Expandable nitrogen-doped carbon-based anodes fabricated from self-sacrificial metal-organic frameworks for ultralong-life lithium storage. Carbon, 2022, 186, 46-54.	10.3	15
35827	Resistive-type VOCs and pollution gases sensor based on SnO ₂ : A review. Materials Science in Semiconductor Processing, 2022, 138, 106246.	4.0	49
35828	Magic Numbers. Springer Series in Materials Science, 2020, , 51-68.	0.6	0
35829	Nanobiomaterials for neural regenerative medicine. , 2020, , 25-45.		1
35830	Quyá»t Á»nh tham gia há»p Á»ng liÃ»n ká»t trong sá»n xuá»t lÃ»a cá»Sa nÃ»ng há» tá»i tá»nh An Giang. Tap Chí Khoa Hoc of Science, 2020, 56(4), 256.	0.1	1
35831	Carbon Nanotube Synthesis and Applications. RSC Smart Materials, 2020, , 174-213.	0.1	0
35832	Structure and Properties of Pseudo-Graphenes. Review. Reviews on Advanced Materials and Technologies, 2020, 2, 9-26.	0.3	3
35833	Chemistry and Physics of Carbon Nanotube Structures. , 2021, , 1-19.		0
35835	Research on the Application of Conductive Materials in Tissue Engineering. Hans Journal of Nanotechnology, 2021, 11, 278-287.	0.0	0
35836	Manufacturing Techniques for Carbon Nanotube-Polymer Composites. , 2021, , 1-24.		0

#	ARTICLE	IF	CITATIONS
35837	Facile and large-scale synthesis of polymorphic graphdiyne catalyzed by transition metal salts for organic pollutant removal. RSC Advances, 2021, 11, 35408-35414.	3.6	3
35838	Sensing Materials: Carbon Materials. , 2021, , .		0
35839	An ab Initio Calculations of Single-Electron Transistor Based Single Walled Carbon Nanotube of Ultra-Small Diameter. East European Journal of Physics, 2020, , .	0.8	0
35841	Airborne Nanoparticles: Control and Detection. , 2020, , 1-49.		0
35842	Near Infrared-Emitting Carbon Nanomaterials for Biomedical Applications. , 2020, , 133-161.		2
35843	A comparative review of Mg/CNTs and Al/CNTs composite to explore the prospect of bimetallic Mg-Al/CNTs composites. AIMS Materials Science, 2020, 7, 217-243.	1.4	5
35844	Flows in Nanochannels. , 2020, , 920-932.		0
35845	High Coverage of H ₂ , CH ₄ , NH ₃ and H ₂ O on (110) SnO ₂ Nanotubes. Engineering Materials, 2020, , 169-188.	0.6	0
35846	Development of a General Fabrication Strategy for Carbonaceous Noble Metal Nanocomposites with Photothermal Property. Nanoscale Research Letters, 2020, 15, 17.	5.7	0
35847	Modification Methods and Applications of CNTs/WPU Composite Material. E3S Web of Conferences, 2020, 213, 02026.	0.5	0
35848	Phytonanomedicines as Topical Alternatives for the Treatment of Skin Cancer. , 2020, , 403-432.		0
35849	HIGH-TEMPERATURE THERMAL PHOTONICS. Annual Review of Heat Transfer, 2020, 23, 355-395.	1.0	6
35850	Fiber Electrodes. , 2020, , 15-52.		0
35851	Challenges, Possible Strategies and Conclusions. RSC Smart Materials, 2020, , 428-437.	0.1	0
35853	Mechanical Behaviour of Carbon Nanotubes. Advances in Mechatronics and Mechanical Engineering, 2020, , 32-46.	1.0	0
35854	Functionalization of Carbon Nanotubes and Mechanical Characterisation of Bio-based Epoxy Nano-composites. , 0, , .		0
35855	Health Detection of Pressure Vessels Based on Carbon Nanosensors Composites. Dynamical Systems and Control, 2020, 09, 214-224.	0.0	0
35856	Novel sensing materials and manufacturing approaches. , 2020, , 73-98.		0

#	ARTICLE	IF	CITATIONS
35857	Application of Ionizing Irradiation for Structure Modification of Nanomaterials. NATO Science for Peace and Security Series B: Physics and Biophysics, 2020, , 23-43.	0.3	0
35859	Development of Carbon Nanotube-Reinforced Ceramic Matrix Nanocomposites for Advanced Structural Applications. , 2020, , 929-974.		1
35860	Preparation of Graphene Based Nanocomposite Based on TPE. Engineering Materials, 2020, , 101-126.	0.6	0
35861	Influence of electric field on carbon nanotube reactivity. AIP Conference Proceedings, 2020, , .	0.4	0
35862	Numerical Investigation on the Influence of Doping on Tensile Properties of Carbon Nanotubes. Advanced Structured Materials, 2020, , 255-276.	0.5	0
35863	Carbon Nanotubes Synthesized by Green/Eco-friendly Technique Potential for Bioenergy Applications. Clean Energy Production Technologies, 2020, , 251-274.	0.5	0
35865	Nanomaterials: Therapeutic Agent for Antimicrobial Therapy. Nanotechnology in the Life Sciences, 2020, , 1-31.	0.6	2
35866	Bioresource-Derived Graphene Quantum Dots: A Tale of Sustainable Materials and Their Applications. Lecture Notes in Nanoscale Science and Technology, 2020, , 231-251.	0.8	2
35867	Hydrogen Adsorption Mechanism of SiC Nanocones. Graphene, 2020, 09, 1-12.	1.0	1
35868	TUBALL TM Single Wall Carbon Nano Tube. Nippon Gomu Kyokaishi, 2020, 93, 279-282.	0.0	0
35869	Analyzing the Dynamic Characteristics of Double-Walled Carbon Nanotube Reinforced Polymer Nanocomposites. , 2020, , 1-35.		0
35870	Influência do teor de molibdênio em catalisadores de cobalto e molibdênio suportado em Óxido de magnésio para a produção de nanotubos de carbono. Revista Materia, 2020, 25, .	0.2	0
35871	Materials Metrology and Nanomaterials. , 2020, , 767-809.		0
35872	Nghiên cứu ©u Á°c tñnh Á°iá»ñ tá»-vñ tñnh chá°t vá°n chuyá»ñ Á°iá»ñ tá»-cá»Sa penta-graphene nanoribbon dñ°ng bí°ñ rñ°ng cá°c nguyê°n tá° nhñm III. Tạp Chí Khoa Học = Journal of Science, 2020, 56(NaturalScience), 157.	0.1	0
35873	Advances in Carbon-Based Nanocomposites for Deep Adsorptive Desulfurization. Advances in Chemical and Materials Engineering Book Series, 2020, , 63-91.	0.3	0
35875	The Sol-Gel Chemistry of Non-oxides. , 2020, , 129-164.		1
35876	Carbon Nanotubes: Their Antimicrobial Properties and Applications in Bone Tissue Regeneration. , 2020, , 207-222.		1
35877	Peptide Nanotubes: A Crystallographic Approach. Green Energy and Technology, 2020, , 93-124.	0.6	0

#	ARTICLE	IF	CITATIONS
35878	Carbon nanotube-based nanohybrids for agricultural and biological applications. , 2020, , 505-535.		2
35879	Carbon Allotropes. , 2020, , 143-162.		0
35880	Anisotropic Nanofillers in TPE. Engineering Materials, 2020, , 17-99.	0.6	0
35881	The best constant of discrete Sobolev inequality on 1812 C60 fullerene isomers. JSIAM Letters, 2020, 12, 49-52.	0.5	0
35882	Postbuckling Isogeometric Analysis of Functionally Graded Carbon Nanotube-reinforced Composite Shells Under Combined Loading. Lecture Notes in Civil Engineering, 2020, , 1145-1151.	0.4	0
35884	The Symmetry Groups in Three-Dimensional Space. Nanoscience and Technology, 2020, , 9-121.	1.5	0
35885	Basics of CNTFET and Ternary Logic. Carbon Nanostructures, 2020, , 9-20.	0.1	0
35886	Kohlenstoffgruppe: Elemente der vierten Hauptgruppe. , 2020, , 1-66.		0
35887	A novel triple-walled carbon nanotube screwing oscillator: a molecular dynamics simulation. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 228801.	0.5	0
35888	Experimental investigation on copper metal powder for substrate steel. AIP Conference Proceedings, 2020, , .	0.4	0
35889	Fluorescent Carbon Nanostructures. , 2020, , 357-399.		0
35890	Carbon-Based Field Emitters: Properties and Applications. Topics in Applied Physics, 2020, , 449-528.	0.8	4
35891	Amin Fonksiyonlu Karbon Nanotâ¼p, Kalay Oksit Nanopartikâ¼l ve Diamin Oksidaz Temelli Triptamin Biyosensâ¼râ¼¼. Dâ¼¼zce Âœniversitesi Bilim Ve Teknoloji Dergisi, 0, , 631-641.	0.7	1
35892	Low Power Wide Fan-in Domino OR Gate Using CN-MOSFETs. International Journal of Sensors, Wireless Communications and Control, 2020, 10, 55-62.	0.7	4
35893	HOT Graphene and HOT Graphene Nanotubes: New Low Dimensional Semimetals and Semiconductors. Nanoscale Research Letters, 2020, 15, 56.	5.7	4
35894	Biomedical Applications and Biosafety Profile of Carbon Nanotubes-Based Composites. , 2021, , 1-19.		0
35895	The intrinsic thermal transport properties of the biphenylene network and the influence of hydrogenation: a first-principles study. Journal of Materials Chemistry C, 2021, 9, 16945-16951.	5.5	26
35896	Carbon Nanotubes in Emerging Photovoltaics: Progress and Limitations. IEEE Journal of Photovoltaics, 2022, 12, 167-178.	2.5	4

#	ARTICLE	IF	CITATIONS
35897	Synthetic Strategies for Inorganic Nanowires. RSC Nanoscience and Nanotechnology, 2021, , 357-373.	0.2	0
35898	Mechanical Properties of CNT Network-Reinforced Polymer Composites. , 2020, , 75-105.		0
35899	CARBON NANOTUBE: ITS FUNCTIONALIZATION AND APPLICATIONS IN TARGETED DRUG DELIVERY SYSTEM. International Journal of Pharmacy and Technology, 2020, 12, 7004-7022.	0.0	1
35901	Mechanical properties of carbon nanotube under uniaxial tensile strain. Japanese Journal of Applied Physics, 2020, 59, SIID02.	1.5	2
35902	Phenomenological model of synthesis of few-layer graphene (FLG) by the selfpropagating high-temperature synthesis (SHS) method from biopolymers. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 59-65.	2.1	0
35903	Multichannel Nature of Synthesis of Carbon Nanostructures in Low-Temperature Plasma. Plasma Physics Reports, 2021, 47, 1014-1020.	0.9	1
35904	Effect of Electroless Coatings on the Mechanical Properties and Wear Behavior of Oriented Multiwall Carbon Nanotube-Reinforced Copper Matrix Composites. Nanomaterials, 2021, 11, 2982.	4.1	4
35905	Utilizing a Rapid Multi-Plug Filtration Cleanup Method for 72 Pesticide Residues in Grape Wines Followed by Detection with Gas Chromatography Tandem Mass Spectrometry. Foods, 2021, 10, 2731.	4.3	4
35906	Natural Material Shungite as Solid-Phase Extraction Sorbent for the Extraction of Red Synthetic Dye Ponceau 4R from Tap Water, Wine, and Juice. Food Analytical Methods, 2022, 15, 707-716.	2.6	7
35907	Multiwalled Carbon Nanotubes-Encapsulated Gellan Gum Membrane for Micro-Solid Phase Extraction of Selected Polycyclic Aromatic Hydrocarbons in Environmental Water and Beverages. Chromatographia, 2022, 85, 23-33.	1.3	3
35908	Strengthening efficiency competition between carbon nanotubes (CNTs) and in-situ Al ₄ C ₃ nanorods in CNTs/Al composites influenced by alumina characteristics. Composites Part A: Applied Science and Manufacturing, 2022, 152, 106704.	7.6	16
35909	Structure and composition design on ternary CNT@ZnFe ₂ O ₄ @ZnO composite utilized as enhanced microwave absorbing materials. Diamond and Related Materials, 2021, 120, 108701.	3.9	20
35910	Hosoya polynomials and Wiener indices of carbon nanotubes using mathematica programming. Journal of Discrete Mathematical Sciences and Cryptography, 2022, 25, 147-158.	0.8	2
35911	Structural and Electronic Properties of Single-Atom Transition Metal-Doped Boron Clusters MB ₂₄ (M = Sc, V, and Mn). ACS Omega, 2021, 6, 30442-30450.	3.5	4
35912	Nonlocal Timoshenko modeling effectiveness for carbon nanotube-based mass sensors. European Journal of Mechanics, A/Solids, 2022, 92, 104462.	3.7	3
35913	Carbon Nanotubes, Graphene, and Carbon Dots as Electrochemical Biosensing Composites. Molecules, 2021, 26, 6674.	3.8	37
35914	3- <i>X</i> Structural Model and Common Characteristics of Anomalous Thermal Transport: The Case of Two-Dimensional Boron Carbides. Journal of Physical Chemistry Letters, 2021, 12, 10975-10980.	4.6	10
35915	The Identification of Cu–O–C Bond in Cu/MWCNTs Hybrid Nanocomposite by XPS and NEXAFS Spectroscopy. Nanomaterials, 2021, 11, 2993.	4.1	18

#	ARTICLE	IF	CITATIONS
35916	Polymer Matrix-Based Carbon Nanocomposites for Neural Tissue Engineering. , 2022, 7, 93-114.		3
35917	Assembly of long carbon nanotube bridges across transparent electrodes using novel thickness-controlled dielectrophoresis. Electrophoresis, 2022, 43, 487-494.	2.4	12
35918	Fabrication and mechanical properties of multi-walled carbon nanotubes doped AlN ceramics prepared by spark plasma sintering. Ceramics International, 2022, 48, 4505-4511.	4.8	2
35919	Production and characterization of carbon nanotubes by methane decomposition over Ni ₂ Fe/Al ₂ O ₃ catalyst and its application as nanofillers in polypropylene matrix. Materials Research Express, 2021, 8, 115001.	1.6	2
35920	The application of one-dimensional nanostructures in terahertz frequency devices. Applied Physics Reviews, 2021, 8, .	11.3	17
35921	Quantum particle on a surface: Catenary surface and paraboloid of revolution. Physica Scripta, 2021, 96, 125245.	2.5	2
35922	Polymeric ultrafiltration membranes modified with fly ash based carbon nanotubes for thermal stability and protein separation. Case Studies in Chemical and Environmental Engineering, 2021, 4, 100155.	6.1	9
35923	Study of Amperometric Response of Guaiacol Biosensor Using Multiwalled Carbon Nanotubes with Laccase Immobilized. ECS Journal of Solid State Science and Technology, 2020, 9, 115009.	1.8	3
35924	C ₄ C ₈ (S) tori which are Cayley graphs. Discrete Mathematics, Algorithms and Applications, 2020, 12, 2050073.	0.6	0
35925	On the Modeling of Carbon Nanotubes as Drug Delivery Nanocapsules. , 0, , 222-234.		0
35926	Nanosciences and Nanotechnologies. , 0, , 1-20.		0
35927	A Molecular Dynamics Simulation Study of the Mechanical Properties of Carbon-Nanotube Reinforced Polystyrene Composite. , 0, , 466-477.		0
35928	On the Modeling of Carbon Nanotubes as Drug Delivery Nanocapsules. , 0, , 960-971.		0
35929	Fabrication of Nanoelectrodes by Cutting Carbon Nanotubes Assembled by Di-Electrophoresis Based on Atomic Force Microscope. , 0, , 1403-1412.		0
35930	Carrier Transport in Nanotubes and Nanowires. Advances in Computer and Electrical Engineering Book Series, 0, , 334-378.	0.3	0
35931	Phonons et vibrations dans les fullères, les nanotubes de carbone et leurs composés. , 2010, , .		0
35936	Mesoscopic Structures as an Intermediate Stage between Molecules (Micro Scale) on the One Hand and Biological Cells (Macro Scale) on the other. , 2002, , 65-91.		0
35937	Other Exciting Supramolecular Systems. , 2002, , 273-319.		0

#	ARTICLE	IF	CITATIONS
35938	Mechanical Properties of Polymerized, Amorphous, and Nanocrystalline Carbon Phases Prepared from Fullerite C60 under Pressure. , 2002, , 199-216.		2
35939	Physical Hydrogen Storage on Nanotubes and Nanocarbon Materials. , 2002, , 327-339.		3
35940	Carbon Nanotube Field Emission Display. , 2002, , 57-65.		1
35941	Optical Properties of Small-Radius SWNTs within a Tight-Binding Model. , 2004, , 1-10.		0
35942	Application of the Electronic Properties of Carbon Nanotubes: Computation of the Magnetic Properties and the 13C NMR Shifts. , 2004, , 343-358.		0
35943	Calculation of the Density Profile of Liquid Located in the Multi-Walled Carbon Nanotube. , 2004, , 23-30.		0
35944	Electrochemical Charging of Nanocarbons: Fullerenes, Nanotubes, Peapods. , 2004, , 51-62.		0
35945	Fullerene Structures Suitable for Fuel Cells Electrodes. , 2005, , 81-95.		3
35946	Nano Mechanics/Materials Research. , 2006, , 13-22.		0
35949	Conductance AFM Measurements of Transport Through Nanotubes and Nanotube Networks. , 2007, , 440-454.		0
35950	Nanotechnology: Retrospect and Prospect. , 2008, , 1-9.		1
35951	Synthesis and Properties of Quasi-One-Dimensional Nitride Nanostructures. , 2008, , 149-177.		0
35952	Catalytically-Grown Carbon Nanotubes and Their Current Applications. , 2008, , 9-13.		0
35953	Formation Mechanism of 0.4,nm Single-Walled Carbon Nanotubes in CoAPO-5 Single Crystals. , 2008, , 49-56.		0
35954	QUANTITATIVE APPLICATION OF LATERAL FORCE MICROSCOPY FOR CARBON NANOTUBES INVESTI GATION. , 2007, , 415-420.		0
35955	SOLITON LATTICES IN CARBON NANOTUBES. , 2007, , 471-480.		0
35957	Theoretical Study of the Adsorbed Small Molecule on Twisted Nanotubes by Atomic Scale Simulations. NATO Science for Peace and Security Series B: Physics and Biophysics, 2008, , 449-456.	0.3	0
35958	Characterization and Handling of Carbon Nanotubes. , 2008, , 203-235.		1

#	ARTICLE	IF	CITATIONS
35959	Nanopartikel und Nanoaerosole – Messmethoden. , 2007, , 21-38.		0
35960	Multifunctionalized carbon nanotubes as advanced multimodal nanomaterials for biomedical applications. Nanotechnology Reviews, 0, , --.	5.8	0
35962	Phonon Effects in Nanotubes: Phase Space Reduction and Electron Conductance. , 2006, , 187-190.		0
35963	Hybrid Nanorobotic Approaches to NEMS. , 2007, , 163-174.		8
35964	Conducting Polymer Nanostructures. , 2008, , 88-157.		2
35965	Template-Free Method to Conducting Polymer Micro/Nanostructures. , 2008, , 158-277.		0
35966	Fullerene-Like Carbon in Nature and Perspectives of its use in Science-Based Technologies. , 2008, , 165-168.		2
35967	Atomic-size Silver Nanotube. , 2008, , 493-494.		0
35968	Measuring electrical properties of carbon nanotubes using liquid metal immersion, an in situ scanning electron microscopy study. , 2008, , 313-314.		1
35969	From Unidimensional Carbonaceous Materials to Multidimensional Structures Through Molecular Modeling. , 2021, , 1-21.		0
35970	Nanostructured Carbon-Based Electrode Materials for Supercapacitor Applications. , 2021, , 317-355.		3
35971	On-Chip Carbon Nanotube Interconnects: Adaptation to Multi-gate Transistors. , 2021, , 127-147.		1
35972	Static and free vibration analysis of functionally graded CNT reinforced sandwich plates using inverse hyperbolic shear deformation theory. Journal of Strain Analysis for Engineering Design, 2021, 56, 386-403.	1.8	8
35973	Comparative study of elastic properties and mode I fracture energy of carbon nanotube/epoxy and carbon fibre/epoxy laminated composites. Micro and Nano Systems Letters, 2020, 8, .	3.7	2
35976	Advent of Graphene Oxide and Carbon Nanotubes in Removal of Heavy Metals from Water: A Review. Lecture Notes in Civil Engineering, 2021, , 209-224.	0.4	1
35977	Airborne Nanoparticles: Control and Detection. , 2021, , 85-133.		3
35978	Characteristics and Adsorptive Treatment of Wastewaters Containing Dyes. Environmental Chemistry for A Sustainable World, 2021, , 273-311.	0.5	2
35979	Chemical Synthesis, Functionalization and Characterization of Multiwalled Carbon Nanotubes. Journal of Nanoscience and Technology, 2020, 6, 905-907.	0.3	1

#	ARTICLE	IF	CITATIONS
35980	Engineering fibre morphology in self-assembled physical gels of a prototypical discotic liquid crystal. Liquid Crystals, 2021, 48, 888-901.	2.2	1
35981	Filler material transport in and through a carbon nanotetrahedron/ribbon structure. Japanese Journal of Applied Physics, 2020, 59, 108001.	1.5	2
35982	Purification Techniques for Cheap Multi-Walled Carbon Nanotubes. Journal of Physics: Conference Series, 2020, 1660, 012022.	0.4	1
35983	Structural Analysis for Tensile Behavior of Silicon-Carbon Core-Shell Nanotube. Journal of Physics: Conference Series, 2020, 1676, 012090.	0.4	0
35984	Measuring the diffusion coefficient of single-wall carbon nanotubes in liquids. Journal of Physics: Conference Series, 2020, 1677, 012174.	0.4	1
35985	Raman Scattering of Carbon Nanotubes Implanted with Nitrogen. Crystallography Reports, 2020, 65, 1019-1024.	0.6	0
35987	Electrochemical ion adsorption behavior of single-wall carbon nanotube capacitor electrodes. Tanso, 2020, 2020, 152-165.	0.1	1
35988	Carbon nanotube composites and their future applications. Tanso, 2020, 2020, 166-174.	0.1	0
35990	The structures and nonlinear optical responses of superalkali-doped graphyne and boron-doped graphyne: A density functional study. Optik, 2020, 220, 164947.	2.9	4
35991	Self Assembled Monolayers and Carbon Nanotubes: A Significant Tool™s for Modification of Electrode Surface. Sensor Letters, 2020, 18, 669-685.	0.4	1
35992	Quantum transport: general concepts. , 0, , 91-117.		1
35995	ç'ç³,æŠ€èj“â,'ç”“ă,ăŸă,«ăf¼ăfœăf³ăfŠăfŽăfăf¥ăf¼ăf—ă®è£½éœ³•. Seikei-Kakou, 2002, 14, 614-618.	0.0	0
35996	Dispersion and Alignment of Carbon Nanotubes in Polymer Matrix. , 2021, , 1-35.		0
35997	Graphene and Carbon Nanotubes for Electronics Nanopackaging. IEEE Open Journal of Nanotechnology, 2021, 2, 120-128.	2.0	10
35998	Optical Spectroscopy of Individual Single-Walled Carbon Nanotubes. Nano-optics and Nanophotonics, 2021, , 135-163.	0.2	1
35999	Carbon Nanotubes as Antimicrobial Agents: Trends and Perspectives. , 2021, , 1-19.		1
36000	Nanomaterials and Stem Cells for Bone Tissue Engineering. , 2021, , 1-36.		0
36001	DFT Study of Se-Doped Nanocones as Highly Efficient Hydrogen Storage Carrier. Graphene, 2021, 10, 49-60.	1.0	4

#	ARTICLE	IF	CITATIONS
36002	Use of Nanomaterials for Heavy Metal Remediation. Environmental Chemistry for A Sustainable World, 2021, , 225-265.	0.5	0
36003	Harnessing solar radiation for potential algal biomass production. , 2022, , 421-449.		1
36004	Novel nanomaterials for environmental remediation of toxic metal ions and radionuclides. , 2022, , 1-47.		2
36005	Nanotechnology in veterinary medicine: a review. Ciencia Rural, 2022, 52, .	0.5	5
36006	Intelligent supervised learning for viscous fluid submerged in water based carbon nanotubes with irreversibility concept. International Communications in Heat and Mass Transfer, 2022, 130, 105790.	5.6	21
36007	Structural comparison of multi-walled carbon nanotubes produced from polypropylene and polystyrene waste plastics. Journal of Analytical and Applied Pyrolysis, 2022, 161, 105396.	5.5	14
36008	Aerodynamic Analysis of Temperature-Dependent FG-WCNTRC Nanoplates under a Moving Nanoparticle using Meshfree Finite Volume Method. Engineering Analysis With Boundary Elements, 2022, 134, 510-531.	3.7	3
36009	Water treatment and environmental remediation applications of carbon-based nanomaterials. , 2022, , 229-311.		0
36010	Polymer-based nanocomposites reinforced with functionalized-MWCNT and their utilizing as sorbent for removal of MB and Cd ²⁺ ion from water media: A review. Journal of Organometallic Chemistry, 2022, 957, 122170.	1.8	12
36011	Conventional, Thermal, and Rheological Properties of Asphalt Binder Modified by Carbon Nanotubes and Crumb Rubber. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	3
36012	Order parameter induced by an extremely short optical pulse in a medium with chiral carbon nanotubes. Optik, 2022, 251, 168385.	2.9	1
36013	Organic-based flexible thermoelectric generators: From materials to devices. Nano Energy, 2022, 92, 106774.	16.0	60
36014	Effect of carbon nanotubes additive on tribocorrosion performance of micro-arc oxidized coatings on Ti6Al4V alloy. Surfaces and Interfaces, 2022, 28, 101626.	3.0	21
36015	Plane vibrational modes and localized nonlinear excitations in carbon nanotube bundle. Journal of Sound and Vibration, 2022, 520, 116627.	3.9	9
36016	Metal-organic framework-based materials for flexible supercapacitor application. Coordination Chemistry Reviews, 2022, 452, 214300.	18.8	112
36017	Dissipation and residue analysis of novel nematocide trifluorocid in ginseng and soil using modified QuEChERS method coupled with HPLC-MS/MS. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2021, , 1-9.	1.5	1
36018	Hybrid Effect of PVA Fibre and Carbon Nanotube on the Mechanical Properties and Microstructure of Geopolymers. Frontiers in Materials, 2021, 8, .	2.4	7
36019	Strain-Sensing Characteristics of Carbon Nanotube Yarns Embedded in Three-Dimensional Braided Composites under Cyclic Loading. Discrete Dynamics in Nature and Society, 2021, 2021, 1-9.	0.9	2

#	ARTICLE	IF	CITATIONS
36020	Natural resources for dye-sensitized solar cells. Heliyon, 2021, 7, e08436.	3.2	12
36021	Hydrogen activation on Anatase TiO ₂ : Effect of surface termination. Catalysis Today, 2022, 397-399, 113-120.	4.4	11
36022	Detecting Air Pollutant Molecules Using Tube-Shaped Single Electron Transistor. Molecules, 2021, 26, 7098.	3.8	0
36023	Synthetic Approach to Rice Waste-Derived Carbon-Based Nanomaterials and Their Applications. Nanomanufacturing, 2021, 1, 109-159.	3.6	18
36024	Electrostatic charge distribution in armchair and zigzag carbon nanotubes: a numerical comparison of CNT charge models. Acta Mechanica, 0, , 1.	2.1	4
36025	Duality Solutions in Hydromagnetic Flow of SWCNT-MWCNT/Water Hybrid Nanofluid over Vertical Moving Slender Needle. Mathematics, 2021, 9, 2927.	2.2	6
36026	Vacuum-Assisted Layer-by-Layer Carbon Nanotube/Ti ₃ C ₂ T _X MXene Films for Detecting Human Movements. Advanced Materials Technologies, 2022, 7, 2101096.	5.8	6
36027	Optimization of Focused Ion Beam Patterning Parameters for Direct Integration of Plasmonic Nanostructures on Silicon Photodiodes. Engineering Proceedings, 2021, 10, 2.	0.4	1
36028	Electronic properties tuning of defective heterostructured CBN nanotubes by uniaxial pressure: a density functional study. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	5
36029	Stable Field Emission from Vertically Oriented SiC Nanoarrays. Nanomaterials, 2021, 11, 3025.	4.1	5
36030	Fully Vacuum-Sealed Diode-Structure Addressable ZnO Nanowire Cold Cathode Flat-Panel X-ray Source: Fabrication and Imaging Application. Nanomaterials, 2021, 11, 3115.	4.1	6
36031	Magnesium dimer entrapped in cyclo[18]carbon: Mg ₂ @C ₁₈ . Chemical Physics Letters, 2022, 787, 139221.	2.6	9
36032	Hydrogen storage in purified multi-walled carbon nanotubes: gas hydrogenation cycles effect on the adsorption kinetics and their performance. Heliyon, 2021, 7, e08494.	3.2	15
36033	Computing and comparative analysis of topological invariants of π -junction carbon nanotubes. International Journal of Quantum Chemistry, 2022, 122, e26847.	2.0	8
36034	Nanostructures Failures and Fully Atomistic Molecular Dynamics Simulations. , 0, , .		0
36035	Properties of Multiwalled Carbon Nanotube-Reinforced Alumina Composites Produced Following the Sol-Spray Technique. Journal of Electronic Materials, 2022, 51, 684-691.	2.2	0
36036	Carbon Nanotube (CNT)-Based Biosensors. Biosensors, 2021, 11, 486.	4.7	76
36037	Influences of Elastic Foundations and Material Gradient on the Dynamic Response of Polymer Cylindrical Pipes Patterned by Carbon Nanotube Subjected to Moving Pressures. Nanomaterials, 2021, 11, 3075.	4.1	6

#	ARTICLE	IF	CITATIONS
36038	Role of Defect Engineering and Surface Functionalization in the Design of Carbon Nanotube-Based Nitrogen Oxide Sensors. International Journal of Molecular Sciences, 2021, 22, 12968.	4.1	10
36039	Hybrid Carbon Nanotube Flow near the Stagnation Region over a Permeable Vertical Plate with Heat Generation/Absorption. Mathematics, 2021, 9, 2925.	2.2	5
36040	Catalytic Oxidation of Benzyl Alcohol to Efficiently Synthesize Amide by (â~CF 3) Substituted Copper Phthalocyanine Based Composite Catalyst. ChemistrySelect, 2021, 6, 11961-11970.	1.5	1
36041	A review of recently developed polymer composite materials for fused deposition modeling 3D printing. Materials Research Express, 2021, 8, 122001.	1.6	3
36042	A novel Sm doped Cr2O3 sesquioxide-decorated MWCNTs heterostructured Fenton-like with sonophotocatalytic activities under visible light irradiation. Journal of Hazardous Materials, 2022, 426, 127812.	12.4	7
36043	Deposition and post-treatment of promising poly(3,4-ethylenedioxythiophene)-polystyrene sulfonate composite films for electronic applications. Journal of Polymer Research, 2021, 28, 1.	2.4	1
36044	Effect of convective boundary condition on unsteady flow of CNT-H2O nanofluid towards a stagnation-point on a shrinking/expanding flat sheet. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110546.	2.5	8
36045	Nanoconfinement engineering for enhanced adsorption of carbon materials, metal-organic frameworks, mesoporous silica, MXenes and porous organic polymers: a review. Environmental Chemistry Letters, 2022, 20, 563-595.	16.2	26
36046	Nonlinear Forced Vibration Analysis of Smart Curved CNTs Conveying Fluid. International Journal of Structural Stability and Dynamics, 0, , .	2.4	1
36047	Finite Element Model for Free Vibration Analyses of FG-CNT Reinforced Composite Beams using Refined Shear Deformation Theories. IOP Conference Series: Materials Science and Engineering, 2021, 1206, 012019.	0.6	1
36048	Semiconductor heterojunctions for photocatalytic hydrogen production and Cr(VI) Reduction: A review. Materials Research Bulletin, 2022, 147, 111636.	5.2	30
36049	Three new orthorhombic superhard metallic carbon allotropes. Diamond and Related Materials, 2022, 121, 108731.	3.9	3
36050	Experimental and Simulation Research on the Preparation of Carbon Nano-Materials by Chemical Vapor Deposition. Materials, 2021, 14, 7356.	2.9	5
36051	Novel solid-phase microextraction fiber coatings: A review. Journal of Separation Science, 2022, 45, 282-304.	2.5	40
36052	Elastic modulus of defected graphene sheets. IOP Conference Series: Materials Science and Engineering, 2021, 1199, 012021.	0.6	1
36053	Fullerene Wires Assembled Inside Carbon Nanohoops. ChemPlusChem, 2022, 87, e202100468.	2.8	15
36054	Advanced Flame-Retardant Methods for Polymeric Materials. Advanced Materials, 2022, 34, e2107905.	21.0	209
36055	Achieving Mechanical and Conductive Anisotropy in Carbon Nanotubes/Cu Composites. Journal of Physics: Conference Series, 2021, 2101, 012056.	0.4	0

#	ARTICLE	IF	CITATIONS
36056	Design of ternary subtractor using multiplexers. Circuit World, 2023, 49, 315-327.	0.9	3
36057	Acetylene-Mediated Electron Transport in Nanostructured Graphene and Hexagonal Boron Nitride. Journal of Physical Chemistry Letters, 2021, 12, 11220-11227.	4.6	4
36058	Ten Years Progress of Electrical Detection of Heavy Metal Ions (HMLs) Using Various Field-Effect Transistor (FET) Nanosensors: A Review. Biosensors, 2021, 11, 478.	4.7	21
36059	A study on wafer scalable, industrially applicable CNT based nanocomposites of Al-CNT, Cu-CNT, Ti-CNT, and Ni-CNT as thermal interface materials synthesised by thin film techniques. Surface and Coatings Technology, 2022, 429, 127926.	4.8	5
36060	Technical Feasibility Study of the Current Carbon Nanotube Field Effect Transistor Technology in a Zigbee Transceiver Design. , 2021, , .		0
36061	Carbonaceous nanomaterial-TiO ₂ heterojunctions for visible-light-driven photocatalytic degradation of aqueous organic pollutants. Applied Catalysis A: General, 2022, 630, 118460.	4.3	26
36062	Promise of nano-carbon to the next generation sustainable agriculture. Carbon, 2022, 188, 461-481.	10.3	27
36064	Potential of aluminum nitride nanocone as a chemical sensor for anticancer drug detection. Computational and Theoretical Chemistry, 2022, 1207, 113537.	2.5	5
36065	Modified Arrhenius and Thermal Radiation Effects on Three-Dimensional Magnetohydrodynamic Flow of Carbon Nanotubes Nanofluids Over Bi-Directional Stretchable Surface. Journal of Nanofluids, 2021, 10, 538-551.	2.7	28
36066	Hyteroatoms Si, P, S as possible factors for the formation of the structure of pyrolyzed carbon materials. Surface, 2021, 13(28), 47-56.	0.2	0
36067	Twoâ€Dimensional Nanomaterials for the Development of Efficient Gas Sensors: Recent Advances, Challenges, and Future Perspectives. Advanced Materials Technologies, 2022, 7, 2101252.	5.8	20
36068	Finite element formulation for nanoâ€scaled beam elements. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , e202000377.	1.6	2
36069	Assessment of drug loading and release efficiencies of zigzag (8, 0) single-walled carbon nanotube as a Bendamustine hydrochloride drug delivery system in silico: DFT approach. Molecular Simulation, 2022, 48, 282-289.	2.0	1
36070	Silica-Based Composites with Enhanced Rheological Properties Thanks to a Nanosized Graphite Functionalized with Serinol Pyrrole. Applied Sciences (Switzerland), 2021, 11, 11410.	2.5	1
36071	SPEN is required for Xist upregulation during initiation of X chromosome inactivation. Nature Communications, 2021, 12, 7000.	12.8	16
36072	The structural, mechanical and electronic properties of novel superhard carbon allotropes: ab initio study. Materials Today Communications, 2021, 29, 102980.	1.9	4
36074	Fabrication of Aluminum/Single-Walled Carbon Nanotube Oxidation Films through CNT-Added Surface Treatment. Journal of Surface Engineered Materials and Advanced Technology, 2021, 11, 15-27.	0.2	0
36075	MWCNT modified glassy carbon electrode in presence of cationic surfactant for the electro-analysis of paclitaxel. Results in Chemistry, 2021, 3, 100243.	2.0	5

#	ARTICLE	IF	CITATIONS
36076	Innovative Approaches in Characterization of Carbon Nanotube. , 2021, , 1-22.		0
36078	Molecular Organization of Functionalized Carbon Nanotube at the Water-Air Interface and in Solid Thin Film. Materials Research, 2021, 24, .	1.3	0
36079	Introduction to Nanostructures. , 2021, , 1-10.		0
36080	Chemical treatment of montmorillonite and kaolinite for synthesis of carbon nanotubes. AIP Conference Proceedings, 2021, , .	0.4	0
36082	Study on carbon nanotube/shape memory polymer composites and their applications in wireless worm actuator. Journal of Mechanics, 2021, 37, 636-650.	1.4	6
36083	Vibration and Buckling Analyses of Reddy Nanobeams Embedded in Elastic Medium. , 2021, , 1-18.		0
36084	Vibration Analysis of Nanostructural Members Using the Hermiteâ€“Ritz Method. , 2021, , 1-26.		0
36085	Graphene Coreâ€“Shell Structure Guided Functionalized Interface to Prepare High-Strength, High-Plasticity, and High-Conductivity Copper Matrix Composites. SSRN Electronic Journal, 0, , .	0.4	0
36087	Carbon Nanotube Composites: Critical Issues. , 2021, , 1-30.		2
36088	Approved and marketed nanoparticles for disease targeting and applications in COVID-19. Nanotechnology Reviews, 2021, 10, 1941-1977.	5.8	43
36090	Anisotropic nanomaterials for asymmetric synthesis. Nanoscale, 2021, 13, 20354-20373.	5.6	9
36091	Electrical Impedance-Based Electronic Tongues. , 2023, , 567-590.		3
36093	Covalent organic frameworks as multifunctional materials for chemical detection. Chemical Society Reviews, 2021, 50, 13498-13558.	38.1	114
36095	Mechanical Properties of Carbon Nanotubeâ€“Polymer Composites. , 2021, , 1-22.		0
36096	Carbon-Based THz Microstrip Antenna Design: A Review. IEEE Open Journal of Nanotechnology, 2022, 3, 15-23.	2.0	6
36097	Chapter 4. Diagnostic and Theranostic Applications of Inorganic Materials. Inorganic Materials Series, 2021, , 194-241.	0.7	0
36098	Carbon Nanotubes for Environmental Remediation Applications. , 2021, , 1-30.		1
36100	Carbon Nanotubes: General Introduction. , 2022, , 1-13.		0

#	ARTICLE	IF	CITATIONS
36101	A novel numerical approach for the stability of nanobeam exposed to hygro-thermo-magnetic environment embedded in elastic foundation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, e202100380.	1.6	9
36102	Microemulsion Based Nanostructures for Drug Delivery. Frontiers in Nanotechnology, 2022, 3, .	4.8	4
36103	An electroless deposition strategy for preparing ultrathin CNTs/Cu composite foils with excellent mechanical properties. Diamond and Related Materials, 2022, 121, 108785.	3.9	7
36104	All-Optical Modulation Technology Based on 2D Layered Materials. Micromachines, 2022, 13, 92.	2.9	20
36105	Raman Spectroscopy Characterization of Amorphous Coke Generated in Industrial Processes. ACS Omega, 2022, 7, 2565-2570.	3.5	27
36106	Biosensing with Fluorescent Carbon Nanotubes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	90
36107	Carbon allotropes consisting of rings and cubes. Diamond and Related Materials, 2022, 121, 108765.	3.9	7
36108	Functionalization of filled radioactive multi-walled carbon nanocapsules by arylation reaction for <i>in vivo</i> delivery of radio-therapy. Journal of Materials Chemistry B, 2021, 10, 47-56.	5.8	6
36109	Thermoelectric properties of two sided-closed single-walled boron nitride nanotubes (6, 3). Indian Journal of Physics, 2022, 96, 3493-3500.	1.8	3
36110	Nanoscale self-assembly: concepts, applications and challenges. Nanotechnology, 2022, 33, 132001.	2.6	32
36111	Thin film composite membranes for postcombustion carbon capture: Polymers and beyond. Progress in Polymer Science, 2022, 126, 101504.	24.7	32
36112	Einstein-de Haas Nanorotor. Physical Review Letters, 2022, 128, 017701.	7.8	5
36113	Preparation of turmeric-derived sulfur-functionalized carbon dots: antibacterial and antioxidant activity. Journal of Materials Science, 2022, 57, 2941-2952.	3.7	42
36114	Carbon-Based Micro/Nano Devices for Transistors, Sensors, and Memories. Journal of Physics: Conference Series, 2022, 2152, 012033.	0.4	1
36115	Review on Natural, Incidental, Bioinspired, and Engineered Nanomaterials: History, Definitions, Classifications, Synthesis, Properties, Market, Toxicities, Risks, and Regulations. Nanomaterials, 2022, 12, 177.	4.1	123
36116	Enhanced Field Emission of Single-Wall Carbon Nanotube Cathode Prepared by Screen Printing with a Silver Paste Buffer Layer. Nanomaterials, 2022, 12, 165.	4.1	2
36117	Tensile mechanics of buckypaper: Bridging the disconnect between disordered structure and carbon nanotube properties. Carbon, 2022, 190, 299-311.	10.3	11
36118	Field-induced self-assembly formation of carbon nanotube filaments triggered via gas discharge breakdown. Vacuum, 2022, 198, 110877.	3.5	2

#	ARTICLE	IF	CITATIONS
36119	Arc discharge sputtering model of Mg-Al-C anode for the nanoceramics production. Vacuum, 2022, 196, 110802.	3.5	4
36120	Strong phonon coupling induces low thermal conductivity of one-dimensional carbon boron nanotube. Surfaces and Interfaces, 2022, 28, 101690.	3.0	12
36121	Polymer/surfactant mixtures as dispersants and non-covalent functionalization agents of multiwalled carbon nanotubes: Synergism, morphological characterization and molecular picture. Journal of Molecular Liquids, 2022, 347, 118338.	4.9	13
36122	CdS cubane type clusters encapsulated by rolling of single layer reduced graphene oxide sheets for enhanced mechanical energy harvesting. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 276, 115528.	3.5	1
36123	Smart damping of a simply supported laminated CNT-based hybrid composite plate using FE approach. Thin-Walled Structures, 2022, 171, 108782.	5.3	11
36124	A novel nano-hybrid carbon architecture as chemo sensor for natural hazards: Active adsorption of Rose Bengal dye and detection of hazard pollutants at ppb level. Journal of Environmental Chemical Engineering, 2022, 10, 107032.	6.7	21
36125	Preparation of lysozyme/carbon nanotube hybrids and their interactions at the nano-bio interface. Progress in Organic Coatings, 2022, 163, 106659.	3.9	3
36126	Nanomaterials: types, properties, recent advances, and toxicity concerns. Current Opinion in Environmental Science and Health, 2022, 25, 100319.	4.1	33
36127	Dispersion of CNT via an effective two-step method, and enhanced thermal conductivity of Mg composite reinforced by the dispersed CNT. Materials Chemistry and Physics, 2022, 278, 125683.	4.0	9
36128	Recent advances in MXene-based sensors for Structural Health Monitoring applications: A review. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110575.	5.0	22
36129	Stable nanotube construction conditions and electronic properties of possible Si double-walled nanotubes (n _{in} ,min)@(6,mout) (n _{in} =3, 4) by SCC-DFTB calculations. Materials Chemistry and Physics, 2022, 277, 125545.	4.0	3
36130	MoO ₃ -templated synthesis of TiO ₂ @C-Ni microtubes for efficient catalysis and protein adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128167.	4.7	6
36131	High velocity impact analysis of free-free carbon nanotubes. Journal of Molecular Graphics and Modelling, 2022, 111, 108105.	2.4	0
36132	Recent progress in the three-dimensional structure of graphene-carbon nanotubes hybrid and their supercapacitor and high-performance battery applications. Composites Part A: Applied Science and Manufacturing, 2022, 154, 106756.	7.6	24
36133	Developing a novel nitrogen-doped hollow porous carbon sphere (N-HPCS) blended nanofiltration membrane with superior water permeance characteristic for high saline and colored wastewaters treatment. Chemical Engineering Journal, 2022, 431, 134068.	12.7	11
36134	N-doped direction-dependent electronic and mechanical properties of single-walled carbon nanotube (SWCNT) from a first-principles density functional theory (DFT) and MD-simulation. Journal of Molecular Graphics and Modelling, 2022, 111, 108111.	2.4	6
36135	Attached two folded graphene nanoribbons as sensitive gas sensor. Physica B: Condensed Matter, 2022, 628, 413630.	2.7	0
36136	Activation of peracetic acid by RuO ₂ /MWCNTs to degrade sulfamethoxazole at neutral condition. Chemical Engineering Journal, 2022, 431, 134217.	12.7	21

#	ARTICLE	IF	CITATIONS
36137	Advances in synthesis and applications of boron nitride nanotubes: A review. Chemical Engineering Journal, 2022, 431, 134118.	12.7	38
36138	Regulating Na deposition by constructing a Au sodiophilic interphase on CNT modified carbon cloth for flexible sodium metal anode. Journal of Colloid and Interface Science, 2022, 611, 317-326.	9.4	22
36139	First-principles study on structural, electronic, and magnetic properties of 3d transition metal-substituted chiral (6, 3) carbon nanotube. Computational Condensed Matter, 2022, 30, e00621.	2.1	2
36140	Adsorptive removal of organic dyes via porous materials for wastewater treatment in recent decades: A review on species, mechanisms and perspectives. Chemosphere, 2022, 293, 133464.	8.2	146
36141	Symmetrical growth of carbon nanotube arrays on FeSiAl micro-flake for enhancement of lithium-ion battery capacity. Carbon, 2022, 189, 93-103.	10.3	22
36142	Dynamics and structural transformations of carbon onion-like structures under high-velocity impacts. Carbon, 2022, 189, 422-429.	10.3	5
36143	A closed-form solution for thermoelastic stress analysis of perforated asymmetric functionally graded nanocomposite plates. Theoretical and Applied Fracture Mechanics, 2022, 118, 103251.	4.7	3
36144	Probing ionization characteristics of under-water plasma arc discharge using simultaneous current and voltage versus time measurement in carbon nanoparticle synthesis. Micro and Nano Engineering, 2022, 14, 100099.	2.9	4
36148	Fabrication of carbon nanotube devices by electroplating with in situ observation. Microelectronic Engineering, 2004, 73-74, 559-563.	2.4	0
36149	Microcontact printing process for the patterned growth of individual CNTs. Microelectronic Engineering, 2004, 73-74, 564-569.	2.4	0
36150	Highly efficient microwave-assisted purification of multiwalled carbon nanotubes. Microelectronic Engineering, 2004, 73-74, 570-577.	2.4	7
36151	Fabrication of Coulomb blockade device utilizing the 0.34 nm interlayer spacing in a multiwalled carbon nanotube. Microelectronic Engineering, 2004, 73-74, 666-669.	2.4	1
36152	Nanodevices for correlated electrical transport and structural investigation of individual carbon nanotubes. Microelectronic Engineering, 2004, 73-74, 689-694.	2.4	1
36160	Design and synthesis of carbon nanotubes for adsorption utilities: A proposed approach for direct preparation by mechanical milling at room temperature. Scientia Iranica, 2020, .	0.4	0
36161	Arc-Discharge Synthesis of Composite Carbon-TiN Nanomaterial for Li-Ion Battery Anodes. , 2020, , .		0
36162	Polyhedral Graphite Particles Ambient Air Direct Current Arc Plasma Synthesis Supported by Molybdenum Catalyst. , 2020, , .		0
36163	Wireless Synchronous Carbon Nanotube-Patch Mechanomyography of Leg Muscles. , 2020, , .		1
36164	The Effect of Synthesis Temperature on Carbon Nanospheres from Palm Kernel Fiber. International Journal of Engineering Research and Technology, 2020, 13, 3099.	0.3	0

#	ARTICLE	IF	CITATIONS
36165	Sensors Based on Multiwalled Carbon Nanotubes. Materials Proceedings, 2021, 4, 59.	0.2	1
36166	Mexican Natural Leptosol as Catalyst Precursor for Synthesis of Nitrogen-Doped Multiwall Carbon Nanotubes by Chemical Vapor Deposition. SSRN Electronic Journal, 0, , .	0.4	0
36167	Multiwall Carbon Nanotubes Based Micro-Fibrillar Polymer Composite Fiber: A Sturctural Biomimetic. , 2021, , 1-33.		0
36169	Analysis of Dilatation Waves Propagation in an Irregular Single-Walled Carbon Nanotube Under Initially Stresses. Journal of Nanoelectronics and Optoelectronics, 2021, 16, 1263-1270.	0.5	0
36170	Different Concentrations of Carbon Nanotubes/Graphene and TiO2 Composite Photoanodes for Dye-sensitized Solar Cells. , 2021, , .		0
36171	Effect of modification on thermal stabilities and thermal degradation kinetics of poly(buthylmethacrylate)/multi-walled carbon nanotube nanocomposites. Plastics, Rubber and Composites, 2023, 52, 37-46.	2.0	0
36172	Electrochemical Biosensors for Foodborne Pathogens Detection Based on Carbon Nanomaterials: Recent Advances and Challenges. Food and Bioprocess Technology, 2022, 15, 498-513.	4.7	35
36173	Carbon Nanotubes for Flexible Fiber Batteries. Carbon Materials, 2022, , 1-22.	1.2	1
36175	Chemi-Inspired Silicon Allotropesâ€”Experimentally Accessible Si9 Cages as Proposed Building Block for 1D Polymers, 2D Sheets, Single-Walled Nanotubes, and Nanoparticles. Molecules, 2022, 27, 822.	3.8	2
36176	Functionalized polyurethane composite gel electrolyte with cosensitized photoanode for higher solar cell efficiency using a passivation layer. Nanoscale Advances, 2022, 4, 1199-1212.	4.6	2
36177	Spectroscopic study on polyynes and their composite materials. Tanso, 2022, 2022, 18-29.	0.1	0
36178	Investigation of mechanical properties, thermal and electrical conductivity of multi-walled carbon nanotubes reinforced with Al2O3 nanocomposites. Materials Today: Proceedings, 2022, 56, 135-142.	1.8	1
36179	Emerging trends in the application of carbon-based materials: A review. Journal of Environmental Chemical Engineering, 2022, 10, 107260.	6.7	26
36180	12-Membered Ring Carbides with Stabilization of Actinide Atoms. Inorganic Chemistry, 2022, 61, 2119-2128.	4.0	4
36181	Ion beam joining of similar and dissimilar materials. , 2022, , 79-123.		1
36182	A new frontier in switchable bioelectronics and bionanotechnology interfaces. , 2022, , 25-42.		0
36183	Nanotechnology-based thermosets. , 2022, , 833-890.		1
36184	Influence of multiwall carbon nanotubes and styrene acrylic acid on morphology and thermal properties relationship of 80/20 PA6/ABS blends. Plastics, Rubber and Composites, 2023, 52, 89-103.	2.0	2

#	ARTICLE	IF	CITATIONS
36185	Novel Techniques Targeting Fibroblasts after Ischemic Heart Injury. Cells, 2022, 11, 402.	4.1	3
36186	Electrical Conductivity and Compressive Strength of Cement Paste with Multiwalled Carbon Nanotubes and Graphene Nanoplatelets. Applied Sciences (Switzerland), 2022, 12, 1160.	2.5	9
36187	Electronic Structure of Zinc-5,10,15,20-tetraethynylporphyrin: Evolution from the Molecule to a One-Dimensional Chain, a Two-Dimensional Covalent Organic Framework, and a Nanotube. Chemistry of Materials, 2022, 34, 1334-1341.	6.7	10
36188	Electron transport properties of carbon nanotubes with radial compression deformation. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 027301.	0.5	0
36189	Preparation and Characterization of PANI/MWCNT/RGO Ternary Composites as Electrode Materials for Supercapacitors. Journal of Electronic Materials, 2022, 51, 1409-1420.	2.2	16
36191	Carbon nanotube reinforced cementitious composites: A comprehensive review. Construction and Building Materials, 2022, 315, 125100.	7.2	67
36192	Enhanced Photocatalytic Activity of Hydrothermally Synthesized Perovskite Strontium Titanate Nanocubes. Topics in Catalysis, 0, , 1.	2.8	23
36193	Emerging Internet of Things driven carbon nanotubes-based devices. Nano Research, 2022, 15, 4613-4637.	10.4	23
36194	Oxides free materials as anodes for sodium-ion batteries. , 2022, , 177-199.		1
36195	Multi-walled carbon nanotubes growth by chemical vapour deposition: Effect of precursor flowing path and catalyst size. Carbon Trends, 2022, 6, 100142.	3.0	6
36196	Virtual fatigue analysis of epoxy based composite reinforced with sugarcane fibre, fly ash and carbon nano tubes. Materialwissenschaft Und Werkstofftechnik, 2022, 53, 56-67.	0.9	2
36197	Thermotropic liquid crystalline/multiwalled carbon nanotubes nanocomposites. , 2022, , 91-116.		0
36198	Biosensing with Fluorescent Carbon Nanotubes. Angewandte Chemie, 0, , .	2.0	2
36199	Influence of Limonene from Orange Peel in Poly (Ethylene Oxide) PEO/ ³ Based Nanocrystalline Dye-Sensitized Solar Cell. ChemistrySelect, 2022, 7, .	1.5	4
36200	Thermal Percolation Behavior in Thermal Conductivity of Polymer Nanocomposite with Lateral Size of Graphene Nanoplatelet. Polymers, 2022, 14, 323.	4.5	13
36201	Elastic properties of Janus transition metal dichalcogenide nanotubes from first principles. European Physical Journal B, 2022, 95, 1.	1.5	5
36202	Corrosion Resistance and Physical-Mechanical Properties of Reinforced Mortars with and without Carbon Nanotubes. Journal of Materials Science and Chemical Engineering, 2022, 10, 1-23.	0.4	1
36203	Nature bioinspired and engineered nanomaterials. , 2022, , 31-58.		4

#	ARTICLE	IF	CITATIONS
36204	Indirect mediators of systemic health outcomes following nanoparticle inhalation exposure. , 2022, 235, 108120.		11
36205	Areneâ€perfluoroarene interactions confer enhanced mechanical properties to synthetic nanotubes. Chemical Science, 2022, 13, 2475-2480.	7.4	12
36206	Improved photocatalytic activity and stability of black phosphorus/multi-walled carbon nanotube hybrid for RhB degradation. Nanotechnology, 2022, 33, 185601.	2.6	5
36207	Effect of Stoneâ€Wales Defects on Elastic Moduli of Multi-walled Carbon Nanotubes Using Nanoscale Continuum Modeling. Lecture Notes in Mechanical Engineering, 2022, , 425-434.	0.4	0
36208	Current Understanding of Water Properties inside Carbon Nanotubes. Nanomaterials, 2022, 12, 174.	4.1	21
36209	Dispersion of single-walled carbon nanotubes in water in presence of Direct Current field. Indian Journal of Physics, 0, , 1.	1.8	0
36210	Pharmaceutical nanotechnology: from the bench to the market. Future Journal of Pharmaceutical Sciences, 2022, 8, 12.	2.8	56
36211	Carbon nanotubes/nanorods in biocatalysis. , 2022, , 339-376.		0
36212	Nanosorbents for the removal of heavy metal pollutants. , 2022, , 363-387.		2
36213	Study of Tire Pyrolysis Oil Model Compound Structure on Carbon Nanomaterial Production. ACS Sustainable Chemistry and Engineering, 2022, 10, 800-809.	6.7	7
36214	Strategies for area-selective deposition of metal nanoparticles on carbon nanotubes and their applications: a review. Journal of Materials Science, 2022, 57, 2362-2387.	3.7	7
36215	Enzyme immobilized nanomaterials. , 2022, , 17-65.		0
36217	Carbon-Nano Fibers Yield Improvement with Iodinated Electrospun PVA/Silver Nanoparticle as Precursor via One-Step Synthesis at Low Temperature. Polymers, 2022, 14, 446.	4.5	3
36218	Formation of Thermally Stable, High-Areal-Density, and Small-Diameter Catalyst Nanoparticles via Intermittent Sputtering Deposition for the High-Density Growth of Carbon Nanotubes. Nanomaterials, 2022, 12, 365.	4.1	0
36219	Turning the structure of the AÎ²₄₂ peptide by different functionalized carbon nanotubes: a molecular dynamics simulation study. Physical Chemistry Chemical Physics, 2022, 24, 4270-4279.	2.8	2
36220	Recent Developments in the Electrochemical Determination of Sulfonamides. Current Pharmaceutical Analysis, 2022, 18, 4-13.	0.6	11
36221	Evaluation of superconducting features and gap coefficients for electronâ€phonon couplings properties of MgB2 with multi-walled carbon nanotube addition. Journal of Materials Science: Materials in Electronics, 2022, 33, 3786.	2.2	3
36222	Synthesis of advanced carbon-based nanocomposites for biomedical application. , 2022, , 571-611.		1

#	ARTICLE	IF	CITATIONS
36223	Nanoparticles: Excellent Materials Yet Dangerous When They Become Airborne. <i>Toxics</i> , 2022, 10, 50.	3.7	7
36224	Dynamic Instability of CNT-Reinforced Composite Plate Under Non-uniform In-plane Loading. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 381-396.	0.4	0
36225	Ultrahigh-power supercapacitors from commercial activated carbon enabled by compositing with carbon nanomaterials. <i>Electrochimica Acta</i> , 2022, 403, 139728.	5.2	11
36226	Carbon Nanomaterials (CNMs) and Enzymes: From Nanozymes to CNM-Enzyme Conjugates and Biodegradation. <i>Materials</i> , 2022, 15, 1037.	2.9	13
36227	Application of Temperature Sensitive Paint for time resolved investigations of laminar-to-turbulent transition on oscillating airfoils. , 2022, , .		2
36229	Functionalized nanomaterial- based electrochemical sensors for point-of-care devices. , 2022, , 309-335.		1
36230	Functionalized carbon nanomaterials in electrochemical detection. , 2022, , 73-95.		2
36231	Liquid crystal polymer nanocomposites: Challenges and opportunities. , 2022, , 1-22.		1
36232	Liquid crystalline elastomer based nanocomposites. , 2022, , 23-67.		0
36233	Chitosan-based green nanomaterials for treatment of textile industry dyes. , 2022, , 153-176.		0
36234	Asymmetrical Cross-Sectional Buckling in Arc-Prepared Multiwall Carbon Nanotubes Revealed by Iodine Filling. <i>Journal of Carbon Research</i> , 2022, 8, 10.	2.7	0
36235	Multiresidue pesticide analysis in tomato using GC-MS/MS using modified QuEChERS method with titanium-coated graphite with CNT-ABS nanocomposite as dispersive solid-phase extraction materials. <i>Food Quality and Safety</i> , 2022, 6, .	1.8	1
36236	Advanced metal and carbon nanostructures for medical, drug delivery and bio-imaging applications. <i>Nanoscale</i> , 2022, 14, 3987-4017.	5.6	34
36237	A Comprehensive Study of Pristine and Calcined f-MWCNTs Functionalized by Nitrogen-Containing Functional Groups. <i>Materials</i> , 2022, 15, 977.	2.9	8
36238	Design, synthesis, and performance of adsorbents for heavy metal removal from wastewater: a review. <i>Journal of Materials Chemistry A</i> , 2022, 10, 1047-1085.	10.3	68
36239	Growth of Single-Walled Carbon Nanotubes from Solid Carbon Nanoparticle Seeds via Cap Formation Engineering with a Two-Step Growth Process and Water Vapor Supply. <i>ACS Omega</i> , 2022, 7, 3639-3648.	3.5	4
36240	Ultra-fine metal particles dispersed on single-walled carbon nanotubes for energy devices. <i>Journal of Materials Science</i> , 2022, 57, 4300-4310.	3.7	1
36241	Superior fast switching of surface-stabilized liquid crystal switchable devices employing graphene dispersion. , 2022, , 185-199.		0

#	ARTICLE	IF	CITATIONS
36242	Nanosensors for food logistics. , 2022, , 657-683.		0
36243	Heteroatom-Doped Metal-Free Carbon Nanomaterials as Potential Electrocatalysts. Molecules, 2022, 27, 670.	3.8	18
36244	Wave propagation analysis of magnetic nanotubes conveying nanoflow. SN Applied Sciences, 2022, 4, 1.	2.9	0
36247	Process-Structure-Property Relations in Dense Aligned Carbon Nanotube/Aerospace-grade Epoxy Nanocomposites. , 2022, , .		3
36248	Synthesis and characterization of iridium-doped multi-walled carbon nanotubes. Lithuanian Journal of Physics, 2021, 61, .	0.4	0
36249	Application and research of current collector for lithium-sulfur battery. Ionics, 2022, 28, 1713-1738.	2.4	6
36250	Empirical formulation of broadband complex refractive index spectra of single-chirality carbon nanotube assembly. Nanophotonics, 2022, 11, 1011-1020.	6.0	7
36251	Fabrication of Aluminum/Single-Walled Carbon Nanotube Oxidation Films through CNT-Added Surface Treatment. Journal of Surface Engineered Materials and Advanced Technology, 2022, 12, 1-13.	0.2	1
36252	Single-wall carbon nanotube mechanical behavior using the modified embedded atom method with bond order (MEAM-BO). Modelling and Simulation in Materials Science and Engineering, 0, , .	2.0	1
36253	Numerical investigation for non-axisymmetric Homann stagnation point flow of a SWCNT/MWCNT-water nanofluid over a disk. Waves in Random and Complex Media, 0, , 1-18.	2.7	2
36254	Epoxidized natural rubber/acid functionalized carbon nanotubes composites for enhanced thermo-mechanical and oxygen barrier performance. Polymer Engineering and Science, 2022, 62, 861-868.	3.1	6
36255	Preparation and properties of multi-walled carbon nanotube reinforced alumina composites by sol-spray method. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 018801.	0.5	0
36256	Vertically Aligned Carbon Nanotubes as a Unique Material for Biomedical Applications. ACS Applied Materials & Interfaces, 2022, 14, 6287-6306.	8.0	21
36257	A novel terahertz metasurface based on a single-walled carbon nanotube film for sensing application. Journal of Materials Chemistry A, 2022, 10, 1780-1787.	10.3	18
36258	Graphene oxide based semiconducting nanomaterials' composites for environmental applications. , 2022, , 407-431.		2
36259	Improvement in laser-based micro-processing of carbon nanotube film devices. Applied Physics Express, 2022, 15, 026503.	2.4	7
36260	A review of recent progress in improving the fracture toughness of epoxy-based composites using carbonaceous nanofillers. Polymer Composites, 2022, 43, 1871-1886.	4.6	64
36261	Integrated Nanotechnology 2.0: 3D, Smart, Flexible, and Dynamic [Highlights]. IEEE Nanotechnology Magazine, 2022, 16, 11-15.	1.3	2

#	ARTICLE	IF	CITATIONS
36262	Environmental Applications of Sorbents, High-Flux Membranes of Carbon-Based Nanomaterials. Adsorption Science and Technology, 2022, 2022, .	3.2	6
36263	Helical confinement effects on hydrogen storage in double-walled carbon nanotubes. International Journal of Hydrogen Energy, 2022, 47, 7328-7338.	7.1	4
36264	Effect of dry milling and MWCNTs content during fabrication of Fe-MWCNTs metal matrix composite by high energy planetary milling followed by conventional sintering. Advanced Powder Technology, 2022, 33, 103447.	4.1	2
36265	Nonsimilar Modeling and Numerical Simulations of Electromagnetic Radiative Flow of Nanofluid with Entropy Generation. Mathematical Problems in Engineering, 2022, 2022, 1-20.	1.1	13
36266	Buckling response of laminated FG-CNT reinforced composite plates: Analytical and finite element approach. Aerospace Science and Technology, 2022, 121, 107368.	4.8	17
36267	Studies on π - π Interactions in Liquid-Phase Separations. Chromatography, 2022, 43, 15-20.	1.7	2
36268	Effects of various temperature and pressure initial conditions to predict the thermal conductivity and phase alteration duration of water based carbon hybrid nanofluids via MD approach. Journal of Molecular Liquids, 2022, 351, 118654.	4.9	25
36269	New analytical strategies amplified with carbon-based nanomaterial for sensing food pollutants. Chemosphere, 2022, 295, 133847.	8.2	11
36270	Adatom Defect Induced Spin Polarization of Asymmetric Structures. ChemistryOpen, 2022, 11, e202100208.	1.9	1
36271	Oxidized multiwalled nanotubes as efficient carbocatalyst for the general synthesis of azines. Journal of Catalysis, 2022, 406, 174-183.	6.2	5
36272	Morphological effect on conductivity performance of ZnO/carbon nanotubes cotton hybrid. Applied Surface Science Advances, 2022, 7, 100211.	6.8	3
36273	Investigation of the interaction mechanism of 3-allyl-2-hydantoin anti-cancer on the pristine and functionalized BC2N nanotubes as an effective drug delivery nanocarriers. Journal of Biotechnology, 2022, 345, 40-46.	3.8	1
36274	Revealing the Effect of Sulfur Compounds for Low-Temperature Synthesis of Boron Nitride Nanotubes from Boron Minerals. ACS Applied Nano Materials, 2022, 5, 2137-2146.	5.0	6
36275	Using artificial neural networks for predicting mechanical and radiation shielding properties of different nano-concretes exposed to elevated temperature. Construction and Building Materials, 2022, 324, 126663.	7.2	38
36276	Effect of chiral angle and chiral index on the vibration of single-walled carbon nanotubes using nonlocal Euler-Bernoulli beam model. Computational Condensed Matter, 2022, 30, e00655.	2.1	4
36277	Electrically conductive foams via high internal phase emulsions with polypyrrole-modified carbon nanotubes: Morphology, properties, and rheology. Polymer, 2022, 242, 124600.	3.8	3
36278	Dynamics of electric field-controlled methotrexate delivery through membrane nanochannels. Journal of Molecular Liquids, 2022, 350, 118525.	4.9	0
36279	Fabrication and implementation of carbon nanotubes for piezoresistive-sensing applications: A review. Journal of Science: Advanced Materials and Devices, 2022, 7, 100416.	3.1	10

#	ARTICLE	IF	CITATIONS
36280	Novel electrosprayed enhanced microcapsules with different nanoparticles containing healing agents in a single multicore microcapsule. International Journal of Biological Macromolecules, 2022, 200, 532-542.	7.5	25
36281	TD-carbon: A new face-centered cubic carbon allotrope. Chemical Physics, 2022, 555, 111458.	1.9	1
36282	Polybenzoxazine - an enticing precursor for engineering heteroatom-doped porous carbon materials with applications beyond energy, environment and catalysis. Materials Today Chemistry, 2022, 23, 100734.	3.5	7
36283	Advances in nanocomposite and nanostructured chitosan membrane adsorbents for environmental remediation: A review. Desalination, 2022, 527, 115565.	8.2	46
36284	Carbon nanomaterials for phototherapy of cancer and microbial infections. Carbon, 2022, 190, 194-244.	10.3	24
36285	Fine-tuning the catalytic cracking-assisted synthesis of plastic-derived MWCNTs-supported metal oxides for methanol electrooxidation. Carbon Trends, 2022, 7, 100158.	3.0	3
36286	P2221-C8: A novel carbon allotrope denser than diamond. Scripta Materialia, 2022, 212, 114549.	5.2	15
36287	High-energy X-Ray diffraction study of multiwalled carbon nanotubes fabricated by arc discharge plasma process. Carbon, 2022, 191, 75-83.	10.3	8
36288	Significant reinforcement of mechanical properties in laser welding aluminum alloy with carbon nanotubes added. Carbon, 2022, 191, 36-47.	10.3	13
36289	Mechanism of alcohol chemical vapor deposition growth of carbon nanotubes: Catalyst oxidation. Carbon, 2022, 191, 1-9.	10.3	5
36290	Influences of elastic foundations on the nonlinear free vibration of composite shells containing carbon nanotubes within shear deformation theory. Composite Structures, 2022, 286, 115288.	5.8	12
36291	Temperature-dependent brittle-ductile transition of 1±-graphyne nanoscroll and its micromechanism. Carbon, 2022, 191, 98-105.	10.3	5
36292	Strategies for sustainable synthesis processes of nanocarbons from biomass. , 2022, , 21-51.		0
36295	Challenges in the use of nanostructures as carriers of nucleic acids in clinical practice. Einstein (Sao) Tj ETQq1 1 0.784314 rgBT /Overlo	0.7	0
36296	Iron-catalyzed graphitization for the synthesis of nanostructured graphitic carbons. Journal of Materials Chemistry A, 2022, 10, 4489-4516.	10.3	62
36297	A review of the design, processes, and properties of Mg-based composites. Nanotechnology Reviews, 2022, 11, 712-730.	5.8	27
36300	High dielectric constant of polyimide nanocomposite obtained by introducing graphitized multi-walled carbon nanotubes. Journal of Materials Science: Materials in Electronics, 2022, 33, 6791-6801.	2.2	0
36301	Flexible piezoresistive strain sensor based on CNTsâ€“polymer composites: a brief review. Carbon Letters, 2022, 32, 713-726.	5.9	15

#	ARTICLE	IF	CITATIONS
36302	Understanding structure of alanine enantiomers on carbon nanotubes in aqueous solutions. Journal of Molecular Structure, 2022, 1259, 132616.	3.6	1
36303	Heat Transfer Characteristics of Conventional Fluids and Nanofluids in Micro-Channels with Vortex Generators: A Review. Energies, 2022, 15, 1245.	3.1	5
36304	2D Heterostructures for Ubiquitous Electronics and Optoelectronics: Principles, Opportunities, and Challenges. Chemical Reviews, 2022, 122, 6514-6613.	47.7	187
36305	Pyrene-polyethylene glycol-modified multi-walled carbon nanotubes: Genotoxicity in V79-4 fibroblast cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2022, 876-877, 503463.	1.7	2
36306	A review of the recent trend in the synthesis of carbon nanomaterials derived from oil palm by-product materials. Biomass Conversion and Biorefinery, 2024, 14, 13-44.	4.6	11
36307	Weak intermolecular interactions of cysteine on BNNT, BNAINT and BC2NNT: a DFT investigation. Bulletin of Materials Science, 2022, 45, 1.	1.7	29
36308	Bending response analysis of a laminated, tapered, curved, composite panel made from an agglomerated and wavy MWCNT-glass fiber-polymer hybrid. Transactions of the Canadian Society for Mechanical Engineering, 2022, 46, 103-131.	0.8	4
36309	Tribological properties of water-based nanofluids prepared by multi-walled carbon nanotubes composites filled with sulfurised isobutylene. Lubrication Science, 0, , .	2.1	4
36310	Investigation of radiation and MHD on non-Newtonian fluid flow over a stretching/shrinking sheet with CNTs and mass transpiration. Waves in Random and Complex Media, 0, , 1-20.	2.7	16
36311	Effects of total pressure on carbon nanotube synthesis, independent of feed pressure. Materials Science and Technology, 2022, 38, 199-206.	1.6	0
36312	Research progress of acetylcholinesterase bioelectrochemical sensor based on carbon nanotube composite material in the detection of organophosphorus pesticides. Chemical Papers, 2022, 76, 3285-3302.	2.2	3
36313	Development and Characterization of Silver-Doped Multi-Walled Carbon Nanotube Membranes for Water Purification Applications. Membranes, 2022, 12, 179.	3.0	3
36314	Route to a novel tetragonal carbon allotrope via T-carbon. Diamond and Related Materials, 2022, , 108895.	3.9	0
36315	Nonlinear forced vibrations of three-phase nanocomposite shells considering matrix rheological behavior and nano-fiber waviness. Engineering With Computers, 2023, 39, 557-574.	6.1	12
36316	Robust active vibration suppression of single-walled carbon nanotube using adaptive sliding-mode control and electrostatic actuators. JVC/Journal of Vibration and Control, 0, , 107754632110630.	2.6	1
36317	Development of Space Qualified High Solar Absorptance Nanostructured Black CuO Coating for Spaceborne Plasma Instruments. Journal of Materials Engineering and Performance, 2022, 31, 5689-5696.	2.5	2
36318	Experimental and modelling of temperature-dependent mechanical properties of CNT/polymer nanocomposites. Materials Today: Proceedings, 2022, , .	1.8	1
36319	Preparation of wearable strain sensor based on PVA/MWCNTs hydrogel composite. Materials Today Communications, 2022, 31, 103278.	1.9	5

#	ARTICLE	IF	CITATIONS
36320	Thermal properties of carbyne nanostructures. Results in Physics, 2022, 34, 105311.	4.1	4
36321	Humic acid non-covalent functionalized multi-walled carbon nanotubes composite membrane and its application for the removal of organic dyes. Journal of Environmental Chemical Engineering, 2022, 10, 107320.	6.7	16
36322	Thermal stress analysis of perforated unsymmetric FG-CNTRC plate using a general analytical solution. Thin-Walled Structures, 2022, 173, 108956.	5.3	1
36323	A comprehensive review on emerging natural and tailored materials for chromium-contaminated water treatment and environmental remediation. Journal of Environmental Chemical Engineering, 2022, 10, 107325.	6.7	26
36324	Surface functionalization of carbon nanotubes via plasma discharge: A review. Inorganic Chemistry Communication, 2022, 138, 109276.	3.9	28
36325	Recent advances in adsorptive removal of wastewater pollutants by chemically modified metal oxides: A review. Journal of Water Process Engineering, 2022, 46, 102641.	5.6	40
36326	Hydroâ€“Hygroâ€“Thermoâ€“Magnetoâ€“Electroâ€“ elastic wave propagation of axially moving nano-cylindrical shells conveying various magnetic-nano-fluids resting on the electromagnetic-visco-Pasternak medium. Thin-Walled Structures, 2022, 173, 108926.	5.3	8
36327	Remarkably flexible 2,2â€“6â€“2,2â€“terpyridines and their group 8â€“10 transition metal complexes â€“ Chemistry and applications. Coordination Chemistry Reviews, 2022, 459, 214426.	18.8	26
36328	Hollow nano- and microstructures: Mechanism, composition, applications, and factors affecting morphology and performance. Coordination Chemistry Reviews, 2022, 458, 214429.	18.8	52
36329	Superior high-temperature tensile properties of aluminum matrix composites reinforced with carbon nanotubes. Carbon, 2022, 191, 403-414.	10.3	42
36330	Thermal conductivity of water base Ni-np@MWCNT magnetic nanofluid. Materials Research Bulletin, 2022, 150, 111781.	5.2	9
36331	Synthesis, modification strategies and applications of coal-based carbon materials. Fuel Processing Technology, 2022, 230, 107203.	7.2	35
36332	Carbon Materials in Electroanalysis of Preservatives: A Review. Materials, 2021, 14, 7630.	2.9	24
36333	Effect of carbon nanotubes reinforcement on eigenmodes of multiâ€“smart core sandwich composite cylindrical shell panels. Polymer Composites, 2022, 43, 1078-1089.	4.6	10
36334	Advances in ultra-high temperature ceramics, composites, and coatings. Journal of Advanced Ceramics, 2022, 11, 1-56.	17.4	256
36335	3D superhard metallic carbon network with 1D multi-threaded conduction. Diamond and Related Materials, 2021, 120, 108706.	3.9	4
36336	Stress wave propagation and natural frequency analysis of functionally graded graphene platelet-reinforced porous joined conicalâ€“cylindricalâ€“conical shell. Waves in Random and Complex Media, 0, , 1-33.	2.7	21
36337	A review on the recent advances on improving the properties of epoxy nanocomposites for thermal, mechanical, and tribological applications: challenges and recommendations. Polymer-Plastics Technology and Materials, 2022, 61, 176-195.	1.3	9

#	ARTICLE	IF	CITATIONS
36339	Carbon Nanotubes for Bio-imaging Applications. , 2021, , 1-21.		1
36340	Thermophoresis of Single Atomic Particles in Open Nanotubes. Physics of the Solid State, 2021, 63, 811-818.	0.6	1
36341	Theoretical Study of the Electronic and Transport Properties of Lateral 2Dâ€“1Dâ€“2D Grapheneâ€“CNTâ€“Graphene Structures. JETP Letters, 2022, 115, 93-97.	1.4	3
36342	Carbon nanotubes obtained from commercial resins with different treatment temperatures. New Journal of Chemistry, 0, , .	2.8	0
36343	An Effect of Mhd Fluid Flow Heat Transfer Using Cnts with Thermal Radiation and Heat Source/Sink Across a Stretching/Shrinking Sheet. SSRN Electronic Journal, 0, , .	0.4	0
36344	Understanding the Influencing Mechanism of Cnts on the Microstructure and Mechanical Properties of Semi-Solid Stir Casting Al-Cu-Mg Alloys. SSRN Electronic Journal, 0, , .	0.4	1
36345	Structural and Electronic Properties of Single- and Double-Walled Ben4 Nanotubes: First-Principles Calculations. SSRN Electronic Journal, 0, , .	0.4	0
36346	Carbon Nanotube and Nanofiber Reinforced Polymer Composites. , 2022, , 837-859.		4
36347	Influence of Point Defects on the Hydrogen Storage in Nickel Decorated Gec and Snc Nanotubes. SSRN Electronic Journal, 0, , .	0.4	0
36348	Preparation Methods and Performance Analysis of Polyanthaquinone / Carbon Nanotube Composites for Capturing Carbon Dioxide. SSRN Electronic Journal, 0, , .	0.4	0
36350	Dynamic coordination transformation of active sites in single-atom MoS₂ catalysts for boosted oxygen evolution catalysis. Energy and Environmental Science, 2022, 15, 2071-2083.	30.8	33
36352	Thermally induced hex-graphene transitions in 2D carbon crystals. Nanotechnology Reviews, 2022, 11, 1101-1114.	5.8	8
36353	An ultralight, elastic carbon nanofiber aerogel with efficient energy storage and sorption properties. Nanoscale, 2022, 14, 6854-6865.	5.6	5
36354	Fabrication of nanomaterials. , 2022, , 1-39.		3
36356	Metal oxideâ€“carbon composites and their applications in optoelectronics and electrochemical energy devices. , 2022, , 309-339.		2
36357	Carbonaceous Nanomaterials for Electrochemical Biosensing. , 2022, , .		0
36358	Dimensional optimization enables high-performance capacitive deionization. Journal of Materials Chemistry A, 2022, 10, 6414-6441.	10.3	43
36359	2D graphdiyne: an emerging carbon material. Chemical Society Reviews, 2022, 51, 2681-2709.	38.1	225

#	ARTICLE	IF	CITATIONS
36362	Comparison between DySc ₂ N@C ₈₀ and Dy ₂ ScN@C ₈₀ single-molecule magnetic metallofullerenes encapsulated in single-wall carbon nanotubes. Dalton Transactions, 2022, , .	3.3	2
36363	Nitrogen-doped molecular bowls as electron donors in photoinduced electron transfer reactions. Nanoscale Advances, 2022, 4, 2180-2188.	4.6	6
36365	Commercialization of single-source precursors: Applications, intellectual property, and technology transfer. , 2022, , 563-600.		2
36366	Preparation of Controllable Non-covalent Functionalized Carbon Nanotubes with Metalloporphyrin-Sn Network and Application to Protein Adsorption. Acta Chimica Sinica, 2022, 80, 126.	1.4	0
36368	Metal-free Carbocatalysis for Persulfate Activation Toward Organic Oxidation. Chemistry in the Environment, 2022, , 145-186.	0.4	1
36369	Carbon Nanomaterial-Carbon Fiber Hybrid Composite for Lightweight Structural Composites in the Aerospace Industry: Synthesis, Processing, and Properties. , 2022, , 445-470.		4
36370	Accumulation and Emission of Water Vapor by Silica Gel Enriched with Carbon Nanotubes Cnt - Potential Applications in Adsorption Cooling and Desalination Technology. SSRN Electronic Journal, 0, , .	0.4	5
36371	Carbon nanomaterials: Application as sensors for diagnostics. , 2022, , 211-248.		3
36372	Process Variation analysis of 1-bit ALU based on GAA-CNTFET. IOP Conference Series: Materials Science and Engineering, 2022, 1219, 012039.	0.6	0
36373	Metal oxide“carbon composite: synthesis and properties by using conventional enabling technologies. , 2022, , 25-60.		2
36374	Electrophoretic deposition of carbon nanotubes on aluminium for capacitor application. Surface Engineering, 2022, 38, 1-7.	2.2	2
36375	Thermoset nanocomposites. , 2022, , 419-501.		0
36377	Influence of Point Defects on the Hydrogen Storage in Nickel Decorated Gec and Snc Nanotubes. SSRN Electronic Journal, 0, , .	0.4	0
36378	In-Situ Investigation on Melting Characteristics of 1d Sncu Alloy Nanosolder. SSRN Electronic Journal, 0, , .	0.4	0
36379	Synthesis and Structural studies of lightweight CNT/Cu composites: An overview. IOP Conference Series: Materials Science and Engineering, 2022, 1219, 012017.	0.6	0
36380	New progress and prospects of mechanical exfoliation technology of two-dimensional materials. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 108201.	0.5	1
36382	Carbon based electronic technology in post-Moore era: progress, applications and challenges. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 068503.	0.5	4
36383	Bioinspired carbon nanotube-based materials. Materials Advances, 2022, 3, 3070-3088.	5.4	8

#	ARTICLE	IF	CITATIONS
36403	What makes carbon nanoparticle a potent material for biological application?. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1782.	6.1	8
36404	Synthesis of Cyclophenacene and Chiral-Type Cyclophenylene-Naphthylene Belts. Angewandte Chemie - International Edition, 2022, 61, .	13.8	18
36405	Application of the Standard Tapping Mode of an Atomic-Force Microscope for Local Investigations of the Electronic System of Carbon Nanotubes under Vacuum Conditions. Instruments and Experimental Techniques, 2022, 65, 152-156.	0.5	0
36406	Synthesis of Cyclophenacene and Chiral-Type Cyclophenylene-Naphthylene Belts. Angewandte Chemie, 2022, 134, .	2.0	1
36407	Nanotube-based heterostructures for electrochemistry: A mini-review on lithium storage, hydrogen evolution and beyond. Journal of Energy Chemistry, 2022, 70, 630-642.	12.9	13
36408	Influence of multi-walled carbon nanotubes reinforced honeycomb core on vibration and damping responses of carbon fiber composite sandwich shell structures. Polymer Composites, 2022, 43, 2073-2088.	4.6	14
36409	Effects of polymer's viscoelastic properties and curved shape of the CNTs on the dynamic response of hybrid nanocomposite beams. Waves in Random and Complex Media, 0, , 1-18.	2.7	8
36410	The Effect of an External Electric Field on the Electronic Properties of Defective CBN Nanotubes: A Density Functional Theory Approach. Crystals, 2022, 12, 321.	2.2	7
36411	Bilateral Aromatic Extension of Corannulene Nucleus. European Journal of Organic Chemistry, 2022, .	2.4	1
36412	Raman Spectroscopy Characterization of Mineral Oil and Palm Oil with Added Multi-Walled Carbon Nanotube for Application in Oil-Filled Transformers. Energies, 2022, 15, 1534.	3.1	3
36413	Physics and applications of nanotubes. Journal of Applied Physics, 2022, 131, .	2.5	9
36414	Effect of reduction conditions of Mo-Fe/MgO on the formation of carbon nanotube in catalytic methane decomposition. Journal of Industrial and Engineering Chemistry, 2022, 109, 384-396.	5.8	10
36415	Synthesis of Super-Long Carbon Nanotubes from Cellulosic Biomass under Microwave Radiation. Nanomaterials, 2022, 12, 737.	4.1	14
36416	Design of a D-π-A-A framework with various auxiliary acceptors on optoelectronic and charge transfer properties for efficient dyes in DSSCs: A DFT/TD-DFT study. Journal of Computational Electronics, 2022, 21, 361-377.	2.5	1
36417	Design and synthesis of carbon-based nanomaterials for electrochemical energy storage. New Carbon Materials, 2022, 37, 59-92.	6.1	34
36418	Enhancement Sensitivity and Selectivity of Ammonium Hydroxide Using Nitrogen-Doped Double-Walled Carbon Nanotubes. Trends in Sciences, 2022, 19, 2891.	0.5	2
36420	Concerted Progress in Molecular Science and Mass Spectroscopy: A New Approach to Gas-Phase NMR Method for Mass Selected Molecular Ions. Journal of the Mass Spectrometry Society of Japan, 2022, 70, 4-14.	0.1	0
36421	Seven Strategies to Suppress the Ambipolar Behaviour in CNTFETs: a Review. Silicon, 0, , 1.	3.3	0

#	ARTICLE	IF	CITATIONS
36422	Calibration of nonlocal generalized helical beam model for free vibration analysis of coiled carbon nanotubes via molecular dynamics simulations. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 1624-1648.	2.6	3
36423	Single-Walled Carbon Nanotube Membranes Accelerate Active Osteogenesis in Bone Defects: Potential of Guided Bone Regeneration Membranes. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 1667-1675.	5.2	3
36424	Buckling Behavior of SWCNTs and MWCNTs Resting on Elastic Foundations Using an Optimization Technique. <i>Physical Mesomechanics</i> , 2022, 25, 129-141.	1.9	3
36425	Why Carbon Nanotubes Grow. <i>Journal of the American Chemical Society</i> , 2022, 144, 5606-5613.	13.7	27
36426	Recent Advances in Structure Separation of Single-Wall Carbon Nanotubes and Their Application in Optics, Electronics, and Optoelectronics. <i>Advanced Science</i> , 2022, 9, e2200054.	11.2	39
36427	Magnetically Induced Current Densities in Zinc Porphyrin Nanoshells. <i>Journal of Physical Chemistry A</i> , 2022, 126, 1936-1945.	2.5	7
36428	Axial vibration of double-walled carbon nanotubes using double-nanorod model with van der Waals force under Pasternak medium and magnetic effects. <i>Vietnam Journal of Mechanics</i> , 2022, 44, 29-43.	0.5	4
36429	Graphene for Zirconia and Titanium Composites in Dental Implants: Significance and Predictions. <i>Current Oral Health Reports</i> , 2022, 9, 66-74.	1.6	3
36430	Longitudinal Vibration Analysis of a Stepped Nonlocal Rod Embedded in Several Elastic Media. <i>Journal of Vibration Engineering and Technologies</i> , 2022, 10, 1399-1412.	2.2	5
36431	Vibrational study of hydrogenated Single Wall Carbon Nanotubes. , 2022, , .		0
36433	Carbon Nanostructures As Antibacterials and Active Food-Packaging Materials: A Review. <i>ACS Omega</i> , 2022, 7, 11555-11559.	3.5	21
36434	Nanomaterial-assisted microfluidics for multiplex assays. <i>Mikrochimica Acta</i> , 2022, 189, 139.	5.0	16
36435	Difference in Gas-Sensing behavior of Multi-walled carbon Nanotube-Paper-Based gas sensor to polar and non-Polar organic solvents. <i>Chemical Physics Letters</i> , 2022, 798, 139596.	2.6	1
36436	First-Principles Study on Tuning of Contact Electrification and Adhesion of Bio-inspired Adhesive Carbon-Based Materials via an External Electric Field. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5354-5361.	3.1	1
36437	Shape-Memory Composites Based on Ionic Elastomers. <i>Polymers</i> , 2022, 14, 1230.	4.5	6
36438	The critical incorporation concentration (CIC) of dispersed carbon nanotubes for tailoring multifunctional properties of ultra-high performance concrete (UHPC). <i>Journal of Materials Research and Technology</i> , 2022, 17, 3361-3370.	5.8	6
36440	Evaluation of absorbance for crude and purified natural dyes using <i>Senna singueana</i> , <i>Bougainvillea glabra</i> bracts, and <i>Ximenia caffra</i> on DSSC performance parameters. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 379-392.	2.3	1
36441	A review of recent advances on the properties of polypropylene - carbon nanotubes composites. <i>Journal of Thermoplastic Composite Materials</i> , 2023, 36, 3737-3770.	4.2	8

#	ARTICLE	IF	CITATIONS
36442	CD44-Targeted Nanocarrier for Cancer Therapy. <i>Frontiers in Pharmacology</i> , 2021, 12, 800481.	3.5	41
36443	Enhancement of the mechanical and thermal transport properties of carbon nanotube yarns by boundary structure modulation. <i>Nanotechnology</i> , 2022, 33, 235707.	2.6	5
36444	Nonlinear Analysis on Flow-Induced Vibration of Single-Walled Carbon Nanotubes Employing Analytical Methods. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	2.4	6
36445	Pulsatile Darcy flow of water-based thermally radiative carbon nanotubes between two concentric cylinders. <i>Numerical Methods for Partial Differential Equations</i> , 0, , .	3.6	1
36446	Thermochemical Conversion of Plastic Waste into Fuels, Chemicals, and Value-Added Materials: A Critical Review and Outlooks. <i>ChemSusChem</i> , 2022, 15, .	6.8	47
36447	Overview of antimicrobial polyurethane-based nanocomposite materials and associated signalling pathways. <i>European Polymer Journal</i> , 2022, 167, 111087.	5.4	16
36448	An experimental analysis of CTAB surfactant on thermo-physical properties and stability of MWCNT/water nanofluids. <i>Applied Nanoscience (Switzerland)</i> , 2022, 12, 1941-1966.	3.1	8
36449	Preparation Methods and Performance Analysis of Polyanthra-Quinone/Carbon Nanotube Composites for Capturing Carbon Dioxide. <i>Atmosphere</i> , 2022, 13, 543.	2.3	3
36450	Electrocatalytic properties of scandium metallofullerenes for the hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 11904-11915.	7.1	3
36451	Synthesis, characterization and application of carbon nanotube-bonded with silica as a high performance liquid chromatography stationary phase. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 0, , 1-9.	2.1	0
36452	Effect of a Metallocene Catalyst Mixture on CNT Yield Using the FC-CVD Process. <i>Catalysts</i> , 2022, 12, 287.	3.5	6
36453	Radiation effect on inclined MHD flow past a super-linear stretching/shrinking sheet including CNTs. <i>Waves in Random and Complex Media</i> , 0, , 1-22.	2.7	6
36454	Carbon-Based Fibers: Fabrication, Characterization and Application. <i>Advanced Fiber Materials</i> , 2022, 4, 631-682.	16.1	34
36456	Effects of midplane carbon nanotube sheet interleave on the strength and impact damage resistance of carbon fiber reinforced polymer composites. <i>Polymer Composites</i> , 2022, 43, 3085-3095.	4.6	5
36457	Arsenene nanotubes adsorbed with various non-metallic atoms: Chemical bonding, odd-even effect, and electronic transport. , 2022, , 207217.		0
36458	Detection of Environmentally Toxic Molecules Using Carbon Nanotubes: A First-Principles Theoretical Study. <i>Journal of the Electrochemical Society</i> , 2022, 169, 037512.	2.9	0
36459	Modeling analysis of elastic properties of graphene-carbon nanotube (G-C) reinforced composites. <i>Polymer Composites</i> , 0, , .	4.6	1
36460	Gas- and Biosensors Made from Metal Oxides Doped with Carbon Nanotubes. <i>Journal of Contemporary Physics</i> , 2022, 57, 54-75.	0.6	5

#	ARTICLE	IF	CITATIONS
36461	Dynamic Response of Some Noncarbon Nanomaterials Using Multiscale Modelling Involving Material and Geometric Nonlinearities. <i>Journal of Computational and Nonlinear Dynamics</i> , 2022, , .	1.2	0
36462	Carbon-based nanohybrid fabricated in-situ and boosted the adsorption of anionic reactive yellow dye. <i>International Journal of Environmental Science and Technology</i> , 2023, 20, 293-306.	3.5	7
36463	Organic-Inorganic Hybrid Interfaces for Spin Injection into Carbon Nanotubes and Graphene. <i>Advanced Quantum Technologies</i> , 2022, 5, .	3.9	1
36464	Broad-Spectrum Antimicrobial ZnMnO ₂ Encapsulated in Magnetic-Nanocomposites with Graphene Oxide/MWCNTs Based on Bimodal Action of Photodynamic and Photothermal Effects. <i>Pharmaceutics</i> , 2022, 14, 705.	4.5	11
36465	Investigation of the microstructure and tribological properties of CNTs/Ni composites prepared by electrodeposition. <i>Materials Research Express</i> , 2022, 9, 036404.	1.6	6
36466	Strain engineering of Janus transition metal dichalcogenide nanotubes: an ab initio study. <i>European Physical Journal B</i> , 2022, 95, 1.	1.5	4
36467	Phase Engineering in Cobalt Sulfide with Multiple Redox Modes for High-Performance Lithium-Ion Batteries. <i>ChemNanoMat</i> , 2022, 8, .	2.8	3
36468	Study on the effect of tailoring the hard copolymer polyurethane on the thermal, mechanical and electrical properties of hard copolymer polyurethane/multi-walled carbon nanotubes nanocomposites. <i>Journal of Composite Materials</i> , 2022, 56, 1467-1480.	2.4	3
36469	Electrosynthesis of H ₂ O ₂ through a two-electron oxygen reduction reaction by carbon based catalysts: From mechanism, catalyst design to electrode fabrication. <i>Environmental Science and Ecotechnology</i> , 2022, 11, 100170.	13.5	29
36470	Introducing Metal-Organic Nanotubes to Derive High-Density Bimetal Alloy Nanoparticles Supported on Nanorods for Lithium-Oxygen Batteries. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	5
36471	Structural variety and stability of carbon honeycomb cellular structures. <i>Low Temperature Physics</i> , 2022, 48, 232-238.	0.6	1
36472	Porous covalent organic nanotubes and their assembly in loops and toroids. <i>Nature Chemistry</i> , 2022, 14, 507-514.	13.6	46
36473	Improving the Performance of a Doping-Less Carbon Nanotube FET with Dual Junction Source and Drain Regions: Numerical Studies. <i>Journal of Circuits, Systems and Computers</i> , 0, , .	1.5	3
36474	Tribological Properties and Electrical Conductivity of Carbon Nanotube-Reinforced Copper Matrix Composites. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 4955-4962.	2.5	8
36475	Nanostructured Material and its Application in Membrane Separation Technology. <i>Micro and Nanosystems</i> , 2023, 15, 16-27.	0.6	0
36476	Programming the genetic code of a single carbon nanotube. <i>Chinese Science Bulletin</i> , 2022, , .	0.7	0
36477	Recent applications of carbon-based composites in defence industry: A review. <i>Defence Technology</i> , 2022, 18, 1281-1300.	4.2	56
36478	A Review: Adsorption and Removal of Heavy Metals Based on Polyamide-amines Composites. <i>Frontiers in Chemistry</i> , 2022, 10, 814643.	3.6	13

#	ARTICLE	IF	CITATIONS
36479	Supramolecular Engineering of Crystalline Fullerene Micro-/Nano-Architectures. <i>Advanced Materials</i> , 2022, 34, e2200189.	21.0	20
36480	Dynamic Instability of Sandwich Beams Made of Isotropic Core and Functionally Graded Graphene Platelets-Reinforced Composite Face Sheets. <i>International Journal of Structural Stability and Dynamics</i> , 2022, 22, .	2.4	14
36481	Floating Gate Carbon Nanotube Dual-Gate Field-Effect Transistor for Reconfigurable AND/OR Logic Gates. <i>ACS Applied Electronic Materials</i> , 2022, 4, 1684-1691.	4.3	9
36482	Thermal stability analysis of functionally graded non-uniform asymmetric circular and annular nano discs: Size-dependent regularity and boundary conditions. <i>European Journal of Mechanics, A/Solids</i> , 2022, 94, 104607.	3.7	11
36483	Particle size distribution of aggregate effects on the reinforcing roles of carbon nanotubes in enhancing concrete ITZ. <i>Construction and Building Materials</i> , 2022, 327, 126964.	7.2	36
36484	IR absorptance of thin carbon multi-walled nanotubes layers. <i>Optical Materials</i> , 2022, 126, 112151.	3.6	1
36485	Mechanochemical Synthesis of Dispersible Platinum Nanosheets for Enhanced Catalysis in a Microreactor. <i>ACS Applied Nano Materials</i> , 2022, 5, 4998-5005.	5.0	8
36486	Revealing the new structure of B8N8 nanocage and comparison of hydrogen storage capacity. <i>Chemical Physics</i> , 2022, 559, 111540.	1.9	2
36487	Study of electronic and mechanical properties of single walled Carbon nanotube (SWCNT) via substitutional Boron doping in zigzag and armchair pattern. <i>Surfaces and Interfaces</i> , 2022, 29, 101815.	3.0	8
36488	Analyzing the Effect of Chirality and Defects on Mechanical Properties of Carbon Nanotube Reinforced Polycarbonate Composites Using Molecular Dynamics. <i>Modelling and Simulation in Materials Science and Engineering</i> , 0, , .	2.0	1
36489	Smart materials for mercury and arsenic determination in food and beverages. <i>Microchemical Journal</i> , 2022, 179, 107472.	4.5	10
36490	Surfactant suspended multi-wall carbon nanotube stability in artificial water samples of different hydrogeochemical families. <i>Applied Geochemistry</i> , 2022, 139, 105252.	3.0	1
36491	Compressive behavior of CNT-reinforced aluminum matrix composites under various strain rates and temperatures. <i>Ceramics International</i> , 2022, 48, 10299-10310.	4.8	11
36492	Recent advances in biomass-derived graphene and carbon nanotubes. <i>Materials Today Sustainability</i> , 2022, 18, 100138.	4.1	27
36493	In-liquid plasma synthesis of iron-nitrogen-doped carbon nanoflakes with high catalytic activity. <i>Plasma Processes and Polymers</i> , 2022, 19, .	3.0	3
36494	Atomic precision manufacturing of carbon nanotube—a perspective. <i>International Journal of Extreme Manufacturing</i> , 2022, 4, 023001.	12.7	9
36495	Carbon science perspective in 2022: Current research and future challenges. <i>Carbon</i> , 2022, 195, 272-291.	10.3	19
36496	Review—Chemical Structures and Stability of Carbon-doped Graphene Nanomaterials and the Growth Temperature of Carbon Nanomaterials Grown by Chemical Vapor Deposition for Electrochemical Catalysis Reactions. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 041003.	1.8	11

#	ARTICLE	IF	CITATIONS
36497	Geometric nonlinear analysis of large rotation behavior of a curved SWCNT. International Journal of Smart and Nano Materials, 2022, 13, 218-231.	4.2	1
36498	Phonon interference in the one-dimensional array of the carbon nanotubes. Physica Status Solidi (B): Basic Research, 0, , .	1.5	0
36499	The Effect of Single-Walled Carbon Nanotubes on UDP-Glucuronosyltransferase 1A Activity in Human Liver. Biological and Pharmaceutical Bulletin, 2022, 45, 446-451.	1.4	0
36500	Crack resistance properties of carbon nanotube-modified concrete. Magazine of Concrete Research, 2022, 74, 1165-1175.	2.0	28
36501	In-situ investigation on melting characteristics of 1D SnCu alloy nanosolder. Nanotechnology, 2022, , .	2.6	0
36502	Chapter 5: A critical review of carbon fiber and related products from an industrial perspective. Advanced Industrial and Engineering Polymer Research, 2022, 5, 90-106.	4.7	10
36503	Mechano-tribological performance of Graphene/CNT reinforced alumina nanocomposites – Review and quantitative insights. Ceramics International, 2022, 48, 11879-11908.	4.8	18
36504	Metal ion (Ca ²⁺ , Mg ²⁺ , Zn ²⁺) catalyzed synthesis of high-quality zeolite templated carbon. Microporous and Mesoporous Materials, 2022, 336, 111860.	4.4	8
36505	Effective attenuation of electromagnetic waves by Ag adorned MWCNT-polybenzoxazine composites for EMI shielding application. Composites Science and Technology, 2022, 223, 109411.	7.8	16
36506	Synergistic role of aluminium sulphate flocculation agent as bi-functional dye additive for Dye-Sensitized Solar Cell (DSSC). Optik, 2022, 258, 168945.	2.9	4
36507	Cycloaddition of propylene oxide and carbon dioxide using CoMn ₂ O ₄ nanoparticles supported onto dendritic fibrous nanosilica. Inorganic Chemistry Communication, 2022, 139, 109389.	3.9	0
36508	Theoretical simulation of nonlinear regulation of wall thickness dependent longitudinal surface plasmon in pentagonal gold nanotubes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 273, 121037.	3.9	0
36509	Newtonian flow over a porous stretching/shrinking sheet with CNTs and heat transfer. Journal of the Taiwan Institute of Chemical Engineers, 2022, 134, 104298.	5.3	6
36510	Counter electrode materials based on carbon nanotubes for dye-sensitized solar cells. Renewable and Sustainable Energy Reviews, 2022, 159, 112196.	16.4	39
36511	Pulsed voltage driving enhanced electron emission in ZnO nanowire cold cathode flat-panel X-ray source. Vacuum, 2022, 199, 110970.	3.5	9
36512	Natural frequency analysis of FG-GOP/ polymer nanocomposite spheroid and ellipsoid doubly curved shells reinforced by transversely-isotropic carbon fibers. Engineering Analysis With Boundary Elements, 2022, 138, 369-389.	3.7	37
36513	Hydrogen separation of porous carbon nanotubes: A density functional theory study. Diamond and Related Materials, 2022, 125, 108986.	3.9	3
36514	Functional nanomaterials based opto-electrochemical sensors for the detection of gonadal steroid hormones. TrAC - Trends in Analytical Chemistry, 2022, 150, 116571.	11.4	13

#	ARTICLE	IF	CITATIONS
36515	Sensing behaviour of monocyclic C18 and B9N9 analogues toward chemical warfare agents (CWAs); quantum chemical approach. <i>Surfaces and Interfaces</i> , 2022, 30, 101912.	3.0	13
36516	Compression-torsion coupling behaviours in double-helix nanofibers assembled from negatively curved nanographenes. <i>Computational Materials Science</i> , 2022, 209, 111367.	3.0	0
36517	A fabrication of CNTs/TiO ₂ /polyurethane films toward antibacterial and protective coatings. <i>Progress in Organic Coatings</i> , 2022, 167, 106838.	3.9	9
36518	A state of the art review on the performance of high-pressure and high-temperature drilling fluids: Towards understanding the structure-property relationship of drilling fluid additives. <i>Journal of Petroleum Science and Engineering</i> , 2022, 213, 110318.	4.2	70
36519	Insights into thermal characteristics of spiral carbon-based nanomaterials: From heat transport mechanisms to tunable thermal diode behavior. <i>International Journal of Heat and Mass Transfer</i> , 2022, 189, 122719.	4.8	3
36520	â€œInfluence of point defects on the hydrogen storage in nickel decorated GeC and SnC nanotubesâ€™â€™. <i>Computational and Theoretical Chemistry</i> , 2022, 1212, 113691.	2.5	2
36521	Recent progress on carbon-based composites in multidimensional applications. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 157, 106906.	7.6	48
36522	Structural and electronic properties of single- and double-walled BeN ₄ nanotubes: First-principles calculations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 438, 128108.	2.1	6
36523	Tensile characteristics of boron nanotubes by using reactive molecular dynamics simulations. <i>Computational Materials Science</i> , 2022, 209, 111368.	3.0	3
36524	Investigation on photoluminescence properties of MWCNTs@Gd ₂ O ₃ : RE ³⁺ (RE = Eu, Tb, and Tm) hybrid nanocomposites. <i>Journal of Luminescence</i> , 2022, 246, 118803.	3.1	2
36525	Interaction of Fluorouracil drug with boron nitride nanotube, Al doped boron nitride nanotube and BC ₂ N nanotube. <i>Computational and Theoretical Chemistry</i> , 2022, 1212, 113699.	2.5	22
36526	Analysis of the electronic integrate and fire neuron model. <i>Neurocomputing</i> , 2022, 488, 261-270.	5.9	1
36527	Combined synthesis of carbon nanospheres and carbon nanotubes using thermal chemical vapor deposition process. <i>Chemical Physics Impact</i> , 2022, 4, 100072.	3.5	8
36528	Recent advances in carbon-based nanomaterials for combating bacterial biofilm-associated infections. <i>Journal of Hazardous Materials</i> , 2022, 431, 128597.	12.4	49
36529	Improving the air quality with Functionalized Carbon Nanotubes: Sensing and remediation applications in the real world. <i>Chemosphere</i> , 2022, 299, 134468.	8.2	18
36530	Large-scale preparation of electrically conducting cellulose nanofiber/carbon nanotube aerogels: Ambient-dried, recyclable, and 3D-Printable. <i>Carbon</i> , 2022, 194, 23-33.	10.3	25
36531	Recent advances of carbon-based nanomaterials (CBNMs) for wastewater treatment: Synthesis and application. <i>Chemosphere</i> , 2022, 299, 134364.	8.2	37
36532	Advanced triboelectric nanogenerators based on low-dimension carbon materials: A review. <i>Carbon</i> , 2022, 194, 81-103.	10.3	37

#	ARTICLE	IF	CITATIONS
36533	Novel microfabricated solid-contact potentiometric sensors doped with multiwall carbon-nanotubes for simultaneous determination of bisoprolol and perindopril in spiked human plasma. Microchemical Journal, 2022, 178, 107323.	4.5	13
36534	The hybrids of perylene tetracarboxylic acid functionalized multi-walled carbon nanotubes and chitosan for electrochemical chiral sensing of tryptophan enantiomers. Bioelectrochemistry, 2022, 146, 108110.	4.6	25
36535	Photoelectrochemical nanosensors: An emerging technique for tumor liquid biopsy. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 429, 113942.	3.9	5
36536	Thermal Conductivity of Rotator Chains with a Double-Barrier Interaction Potential. Physics of the Solid State, 2021, 63, 1014-1020.	0.6	0
36537	Diameter Dependence of Band Gap of Single-Walled Boron Nitride Nanotubes. Physics of the Solid State, 2021, 63, 1126-1130.	0.6	1
36538	Enhancing electrical properties of carbon nanotubes thin films by silicon incorporation. IOP Conference Series: Materials Science and Engineering, 2021, 1206, 012028.	0.6	0
36539	Computing Edge Metric Dimension of One-Pentagonal Carbon Nanocone. Frontiers in Physics, 2021, 9, .	2.1	9
36540	A review on low-dimensional novel optoelectronic devices based on carbon nanotubes. AIP Advances, 2021, 11, .	1.3	4
36541	Viscoelastic and mechanical properties of CNT-reinforced polymer-based hybrid composite materials using hygrothermal creep. Polymers and Polymer Composites, 2021, 29, S1386-S1402.	1.9	5
36542	3D waviness effect of carbon nanotubes on fundamental natural frequency and modeling of resonance of nanocomposite structure. International Journal of Computational Materials Science and Engineering, 2022, 11, .	0.7	1
36543	Irradiation-Induced Defects and Their Effects on the Electronic Structures in T-Carbon. Journal of Physical Chemistry C, 2021, 125, 28067-28074.	3.1	1
36544	Carbon Nanotube Based Metal-Organic Framework Hybrids From Fundamentals Toward Applications. Small, 2022, 18, e2104628.	10.0	33
36545	Intaglio Contact Printing of Versatile Carbon Nanotube Composites and Its Applications for Miniaturizing High-Performance Devices. Small, 2022, 18, e2106174.	10.0	11
36546	A semi-analytical framework for time history response of a carbon nanotube <scp>-reinforced</scp> polymer damped composite plate: Influence of instability regions. Polymer Composites, 2022, 43, 1186-1212.	4.6	1
36547	Kinetic Energy Pressure and Relaxation Analysis of Intermolecular Interaction between Carbon Nanorings and Some Molecules. Russian Journal of Physical Chemistry A, 2021, 95, 2609-2618.	0.6	0
36548	Study on dynamic mechanical properties of carbon nanotubes reinforced concrete subjected to freeze-thaw cycles. Structural Concrete, 2022, 23, 3221-3233.	3.1	7
36549	Tracking of Stiffness Variation in Structural Members Using Input Error Function Observers. Applied Sciences (Switzerland), 2021, 11, 11857.	2.5	0
36551	Biosensors and nanotechnology for cancer diagnosis (lung and bronchus, breast, prostate, and) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	22

#	ARTICLE	IF	CITATIONS
36552	A 4-bit Binary weighted Current Steering Digital To Analog Converter based on CNTFET. , 2021, , .		3
36553	Pentagraphite C_8 : An all- p^2 -topological nodal-line semimetal. Physical Review B, 2021, 104. .		
36554	Dark-Field Hyperspectral Microscopy for Carbon Nanotubes Bioimaging. Applied Sciences (Switzerland), 2021, 11, 12132.	2.5	5
36555	Facile Fabrication of Single-Walled Carbon Nanotube/Anatase Composite Thin Film on Quartz Glass Substrate for Translucent Conductive Photoelectrode. Nanomaterials, 2021, 11, 3352.	4.1	3
36556	Multi-walled carbon nanotubes (MWCNTs)-reinforced ceramic nanocomposites for aerospace applications: a review. Journal of Materials Science, 2022, 57, 3923-3953.	3.7	31
36557	Computational study on noncovalent interactions between (n, n) single-walled carbon nanotubes and simple lignin model compounds. Journal of Computational Chemistry, 2022, 43, 340-348.	3.3	4
36558	Characterization of Carbon Nanomaterials Dispersions: Can Metal Decoration of MWCNTs Improve Their Physicochemical Properties?. Nanomaterials, 2022, 12, 99.	4.1	8
36559	Quantitative Evidence for the Dependence of Highly Crystalline Single Wall Carbon Nanotube Synthesis on the Growth Method. Nanomaterials, 2021, 11, 3461.	4.1	5
36560	Design and Simulation of Carbon Nanotube Based Current Source Load Differential Amplifier. , 2021, , .		4
36562	Electrochemical Determination of Copper in Aqueous Media at a Carbon Paste Electrode Modified with Natural-Based Nanocomposite and Carbon Nanotubes. Russian Journal of Electrochemistry, 2021, 57, 1175-1185.	0.9	0
36563	Comparative Stability Analysis of Boron Nitride Nanotube using MD Simulation and Nonlocal Elasticity Theory. International Journal of Engineering and Applied Sciences, 2021, 13, 189-200.	0.1	2
36564	Influences of Unmodified and Carboxylated Carbon Nanotubes on Lipid Profiles in THP-1 Macrophages: A Lipidomics Study. International Journal of Toxicology, 2022, 41, 16-25.	1.2	5
36565	Application of Absolute Nodal Coordinate Formulation in Calculation of Space Elevator System. Applied Sciences (Switzerland), 2021, 11, 11576.	2.5	6
36566	Propagation of Ultrashort Optical Pulses in Anisotropic Optical Media with Impurity-Containing Carbon Nanotubes. Bulletin of the Russian Academy of Sciences: Physics, 2021, 85, 1359-1362.	0.6	2
36567	Rigidity Dictates Spontaneous Helix Formation of Thermoresponsive Colloidal Chains in Poor Solvent. ACS Nano, 2021, 15, 19702-19711.	14.6	5
36568	Influence of electronic states of nanographs in carbon microcrystallines on surface chemistry of activated charcoal varieties. Surface, 2021, 13(28), 15-38.	0.2	0
36569	Bending characteristics of carbon nanotubes: Micropolar elasticity models and molecular dynamics simulations. Mechanics of Advanced Materials and Structures, 2023, 30, 189-206.	2.6	9
36570	CNT assisted anomalous Li ⁺ transport in CS/CMC solid biopolymer nanocomposite: an electrolyte in hybrid solid-state supercapacitors. Ionics, 2022, 28, 1403-1418.	2.4	6

#	ARTICLE	IF	CITATIONS
36571	Engineering Tissues of the Central Nervous System: Interfacing Conductive Biomaterials with Neural Stem/Progenitor Cells. <i>Advanced Healthcare Materials</i> , 2022, 11, e2101577.	7.6	15
36572	Infinetene: A Helically Twisted Figure-Eight [12]Circulene Topoisomer. <i>Journal of the American Chemical Society</i> , 2022, 144, 862-871.	13.7	85
36574	Facile Fabrication of Fe-Fe ₃ c Nanoparticles-Decorated Carbon Nanotubes Composite for Sensitive Dopamine Detection. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
36575	Improvements of Static and Dynamic Behavior of Laminated Carbon/Epoxy Composites Through the Inclusion of Nanoclay and MWCNTs. , 2022, , .		0
36576	Facile and scaleable transformation of Cu nanoparticles into high aspect ratio Cu oxide nanowires in methanol. <i>RSC Advances</i> , 2022, 12, 11526-11533.	3.6	0
36577	Elastic and Plastic Deformations of Carbon Nanotubes Multilayer Packing on a Flat Substrate. <i>Journal of Experimental and Theoretical Physics</i> , 2022, 134, 60-68.	0.9	2
36579	Electrically conductive polymer nanocomposites for thermal comfort in electric vehicles. , 2022, , 229-251.		2
36580	Fabrication and prospective applications of graphene oxide-modified nanocomposites for wastewater remediation. <i>RSC Advances</i> , 2022, 12, 11750-11768.	3.6	32
36582	Improved pulmonary drug delivery through nanocarriers. , 2022, , 103-133.		0
36583	Nanocarriers in drug delivery: Classification, properties, and targeted drug delivery applications. , 2022, , 1-23.		0
36584	Dynamics and Energy Analysis of Nonequatorial Space Elevator Using Three-Dimensional Nonlinear Finite Element Method Extended to Noninertial Coordinate System. <i>IEEE Access</i> , 2022, 10, 43964-43980.	4.2	2
36585	Building blocks for one-dimensional van der Waals heterostructures. , 2022, 1, 20220016.		2
36586	Antimicrobial PMMA Bone Cement Containing Long Releasing Multi-Walled Carbon Nanotubes. <i>Nanomaterials</i> , 2022, 12, 1381.	4.1	12
36587	Discrete and functional carbon nanotubes (Molecular Rebar) for improved tires in transportation. , 2022, , .		0
36588	A Carbon-Nanotube Cold-Cathode Reflex Klystron Oscillator: Fabrication @ X-Band and Returning Electron Beam Realization. <i>Electronics (Switzerland)</i> , 2022, 11, 1231.	3.1	1
36589	Functionalization of Pristine, Metallic, and Semiconducting-SWCNTs by ZnO for Efficient Charge Carrier Transfer: Analysis through Critical Coagulation Concentration. <i>ACS Omega</i> , 2022, 7, 14784-14796.	3.5	3
36590	New perspectives in SWCNT applications: Tuball SWCNTs. Part 1. Tuball by itselfâ€”All you need to know about it. <i>Carbon Trends</i> , 2022, 8, 100175.	3.0	20
36591	Graphdiyne Electrochemistry: Progress and Perspectives. <i>Small</i> , 2022, 18, e2201135.	10.0	32

#	ARTICLE	IF	CITATIONS
36592	Study of wear performance and mechanical properties of HDPE on addition of CNT fillers. Materials Today: Proceedings, 2022, 62, 7501-7508.	1.8	5
36593	Directly Using Red Sandstone as a Catalyst to Synthesize Multi-Walled Carbon Nanotubes. Nano, 0, , .	1.0	0
36594	Hybrid Carbonâ€“Hydrocarbon Structure. Inorganic Materials: Applied Research, 2022, 13, 455-459.	0.5	0
36595	Direct-ink writing 3D printed energy storage devices: From material selectivity, design and optimization strategies to diverse applications. Materials Today, 2022, 54, 110-152.	14.2	66
36596	Understanding the influencing mechanism of CNTs on the microstructure and mechanical properties of semi-solid stir casting Al-Cu-Mg alloys. Journal of Materials Research and Technology, 2022, 18, 3949-3960.	5.8	10
36597	Advanced nano-reinforced concrete for exotic applications. , 2022, , .		0
36598	Nonlinear postâ€“buckling analysis of viscoelastic nanoâ€“scaled beams by nonlocal integral finite element method. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2022, 102, .	1.6	5
36599	Novel Techniques for Small Molecule-Based Drug Delivery in Cancerous Tissue: A Literature Review. , 2022, 6, 1-9.		0
36600	Introducing Chirality Concept of Single-Walled Carbon Nanotubes to High School Students and Undergraduates by Paper Origami in Their Science Projects. Journal of Chemical Education, 2022, 99, 2101-2106.	2.3	2
36601	In-situ growth of iron phosphide encapsulated by carbon nanotubes decorated with zeolitic imidazolate framework-8 for enhancing oxygen reduction reaction. International Journal of Hydrogen Energy, 2022, 47, 17367-17378.	7.1	3
36602	Direct ink writing of conductive materials for emerging energy storage systems. Nano Research, 2022, 15, 6091-6111.	10.4	11
36603	Effect of chirality surfaces overlap on individual carbon nanotubes resistivity. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	3
36604	Influence of MWCNT Fillers on the Elastic Properties of GFRP Hybrid Honeycomb Core: Numerical Study with Experimental Verification. Fibers and Polymers, 2022, 23, 1713-1724.	2.1	3
36606	Reduction of 1/f Noise in Single-Walled Carbon Nanotubes (SWCNTs) Using Gas Adsorption Technique. Adsorption Science and Technology, 2022, 2022, .	3.2	19
36607	A Class of Unconditionally Stable Shooting Methods with Application to Radiative Darcyâ€“Forchheimer Flow. International Journal of Computational Methods, 2022, 19, .	1.3	3
36608	Topological phonons in allotropes of carbon. Materials Today Physics, 2022, 24, 100694.	6.0	15
36609	Electromagnetically induced transparency based on a carbon nanotube film terahertz metasurface. Optics Express, 2022, 30, 15436.	3.4	12
36610	Prediction of Exchange-Correlation Energy of Graphene Sheets from Reverse Degree-Based Molecular Descriptors with Applications. Materials, 2022, 15, 2889.	2.9	1

#	ARTICLE	IF	CITATIONS
36611	Transient Thermal Stresses in FG Porous Rotating Truncated Cones Reinforced by Graphene Platelets. Applied Sciences (Switzerland), 2022, 12, 3932.	2.5	18
36612	Novel single-trit comparator circuits in ternary quantum-dot cellular automata. Analog Integrated Circuits and Signal Processing, 2022, 111, 353-370.	1.4	3
36613	Micro- and nanotechnology in biomedical engineering for cartilage tissue regeneration in osteoarthritis. Beilstein Journal of Nanotechnology, 2022, 13, 363-389.	2.8	12
36614	Antibiotic delivery evaluation against Mycobacterium fortuitum using nanofluids containing carbon nanotubes. BMC Microbiology, 2022, 22, 96.	3.3	4
36615	Theoretical analysis of reaction-diffusion process in biocatalyst modified electrodes: Solutions derived via Akbari-Ganji method and Taylor's series with Ancient Chinese algorithms. International Journal of Electrochemical Science, 2022, 17, 220560.	1.3	3
36616	Structural, electronic, and optical properties of the PAI-BN monolayer: A first-principles study. Chemical Physics Impact, 2022, 4, 100074.	3.5	4
36617	The novel advancements of nanomaterials in biofuel cells with a focus on electrodes' applications. Fuel, 2022, 322, 124237.	6.4	34
36618	Klein tunneling and ballistic transport in graphene and related materials. , 0, , 118-142.		0
36619	Quantum transport in disordered graphene-based materials. , 0, , 143-218.		0
36620	Ab initio and multiscale quantum transport in graphene-based materials. , 0, , 232-299.		0
36621	Electronic structure calculations: the density functional theory (DFT). , 0, , 314-331.		0
36622	Electronic structure calculations: the many-body perturbation theory (MBPT). , 0, , 332-337.		0
36623	Green's functions and ab initio quantum transport in the Landauer's formalism. , 0, , 338-357.		0
36624	Sample Preparation and Extraction Techniques Using Nanomaterials. RSC Detection Science, 2016, , 221-283.	0.0	1
36625	CHAPTER 12. Pretreatment Processes for the Analysis of Organic Pollutants with Nanomaterials. RSC Detection Science, 0, , 306-354.	0.0	0
36639	Growth Mechanism of Nitrogen Incorporated Carbon Nanotubes with RAP Process. Springer Proceedings in Physics, 0, , 249-257.	0.2	0
36665	Eigenfrequencies and Vibration Modes of Carbon Nanotubes. , 0, , .		0
36668	VIBRATION AND ELASTIC BUCKLING ANALYSES OF SINGLE-WALLED CARBON NANOCONES. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
36669	NONLINEAR FRACTURE ANALYSIS OF CARBON NANOTUBES WITH STONE-WALES DEFECTS. , 2014, , .		0
36670	Scanning Transmission Electron Microscopy. , 0, , 563-594.		0
36673	Near-Field Raman Imaging of Nanostructures and Devices. , 0, , 677-697.		0
36674	Gums-based engineered bio-nanostructures for greening the 21st-century biotechnological settings. Critical Reviews in Food Science and Nutrition, 2022, 62, 3913-3929.	10.3	9
36675	Recent Trends in Nano-Particulate Carriers for the Diagnosis and Treatment of Alzheimerâ€™s Disease. CNS and Neurological Disorders - Drug Targets, 2023, 22, 477-499.	1.4	1
36676	Ultralow Thermal Contact Resistance Copper/Oriented-Carbon Nanotubes Composite Prepared by Hot-Pressing Sintering. SSRN Electronic Journal, 0, , .	0.4	0
36677	Carbon nanomaterial-based sensors for the development of sensitive sensor platform. , 2022, , 191-246.		1
36678	Carbon nanomaterial-based sensors in air pollution remediation. , 2022, , 105-123.		1
36679	Improvement of Resistive Switching In AlN-Cspbi 3 Devices by Inserting Carbon Nanotube. SSRN Electronic Journal, 0, , .	0.4	0
36680	Carbon-based anode materials for lithium-ion batteries. , 2022, , 521-545.		3
36681	Sustainable carbon nanomaterial-based sensors: Future vision for the next 20 years. , 2022, , 429-443.		2
36683	Carbon nanotube-based materials for environmental remediation processes. , 2022, , 475-513.		7
36684	Electrical Conductivity and Crystallization of Polylactic Acid Nanocomposites Containing Surfactant Modified Carbon Nanotubes. Journal of Materials Science and Chemical Engineering, 2022, 10, 30-43.	0.4	1
36685	Tenon Effects at Drilled Multi-Walled Carbon Nanotubes to Strongly Enhance Mechanical and Luminescent Properties of Epoxy Resin Composites. SSRN Electronic Journal, 0, , .	0.4	0
36687	Introduction and overview of carbon nanomaterial-based sensors for sustainable response. , 2022, , 395-416.		1
36688	Carbon Nanomaterials for Imaging. Monographs in Supramolecular Chemistry, 2022, , 242-277.	0.2	1
36689	Closed-loop recycling and fabrication of hydrophilic CNT films with high performance. Nanotechnology Reviews, 2022, 11, 1827-1841.	5.8	0
36690	Carbon nanotubes, nanorings, and nanospheres: Synthesis and fabrication via chemical vapor depositionâ€”a review. Nanomaterials and Nanotechnology, 2022, 12, 184798042210794.	3.0	10

#	ARTICLE	IF	CITATIONS
36691	The use of carbon nanotubes material in sensing applications for H1-antihistamine drugs. , 2022, , 335-346.		2
36692	Sustainable development information management of carbon nanomaterial-based sensors. , 2022, , 3-12.		7
36693	Environmental Aspect on Nanoproducts. , 2022, , 1321-1341.		0
36694	Reversible and irreversible functionalization of graphene. Theoretical and Computational Chemistry, 2022, , 157-189.	0.4	1
36695	Synthesis and Stockpile of Polyynes in Paraffin. SSRN Electronic Journal, 0, , .	0.4	0
36696	Interaction of amino acids, peptides, and proteins with two-dimensional carbon materials. Theoretical and Computational Chemistry, 2022, , 191-210.	0.4	1
36697	Grapheneâ€™Technology and integration with semiconductor electronics. Theoretical and Computational Chemistry, 2022, , 1-40.	0.4	1
36698	Recent progress in electronâ€™phonon interaction of twoâ€™dimensional materials. Nano Select, 2022, 3, 1112-1122.	3.7	5
36699	Transition metals, their organic complexes, and radionuclides promising for medical use. Russian Chemical Bulletin, 2022, 71, 415-429.	1.5	10
36700	Biogenic Synthesis of Nanoparticles and Drug Delivery Systems. Advances in Bioinformatics and Biomedical Engineering Book Series, 2022, , 1-26.	0.4	0
36701	Experimental Study on the Salt Freezing Durability of Multi-Walled Carbon Nanotube Ultra-High-Performance Concrete. Materials, 2022, 15, 3188.	2.9	6
36702	Flow due to a porous stretching/shrinking sheet with thermal radiation and mass transpiration. Heat Transfer, 2022, 51, 5441-5463.	3.0	7
36703	When Super-Resolution Localization Microscopy Meets Carbon Nanotubes. Nanomaterials, 2022, 12, 1433.	4.1	7
36704	Effect of graphite nanoplatelets surface area on mechanical properties of roomâ€™temperature vulcanized silicone rubber nanocomposites. Journal of Applied Polymer Science, 2022, 139, .	2.6	6
36705	Comparative analysis of the CNTs nano fluid flow between the two gyrating disks. Advances in Mechanical Engineering, 2022, 14, 168781322210931.	1.6	6
36706	Four Carbon Allotropes Form COT Structures. ACS Applied Electronic Materials, 2022, 4, 2353-2363.	4.3	9
36707	Water Quality Carbon Nanotube-Based Sensors Technological Barriers and Late Research Trends: A Bibliometric Analysis. Chemosensors, 2022, 10, 161.	3.6	6
36708	Nanosynthesis by atmospheric arc discharges excited with pulsed-DC power: a review. Nanotechnology, 2022, 33, 342001.	2.6	2

#	ARTICLE	IF	CITATIONS
36709	Influence of S and Se doping on the electronic characteristic and optical properties of T-carbon by first-principles calculation. Modern Physics Letters B, 2022, 36, .	1.9	1
36710	Improved Nanocomposite Materials and Their Applications. , 0, , .		6
36711	Influence of Ionomer and Cyanuric Acid on Antistatic, Mechanical, Thermal, and Rheological Properties of Extruded Carbon Nanotube (CNT)/Polyoxymethylene (POM) Nanocomposites. Polymers, 2022, 14, 1849.	4.5	4
36712	One-step floating conversion of biomass into highly graphitized and continuous carbon nanotube yarns. Green Energy and Environment, 2023, 8, 1711-1718.	8.7	6
36713	Interfacial engineering of carbon-based materials for efficient electrocatalysis: Recent advances and future. EnergyChem, 2022, 4, 100074.	19.1	20
36714	Terahertz photonics and optoelectronics of carbon-based nanosystems. Journal of Applied Physics, 2022, 131, 160901.	2.5	5
36715	A Novel Method for Carbon Nanotube Functionalization Using Immobilized Candida antarctica Lipase. Nanomaterials, 2022, 12, 1465.	4.1	8
36716	Load-Carrying Capacity of Ultra-Thin Shells with and without CNTs Reinforcement. Mathematics, 2022, 10, 1481.	2.2	10
36717	Optimization of MWCNTs/Al nanocomposite fabrication process parameters for mass density and hardness. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 8073-8091.	2.1	2
36718	Carbon Cold Emitter Data Interpretation: Should We Go for Millikanâ€™Lauritsen Plot over Fowlerâ€™Nordheim Approach for Developing Display Device. Journal of the Institution of Engineers (India): Series D, 0, , 1.	1.0	0
36719	A New Adsorption Equation for Nano-Porous Shale Rocks and Its Application in Pore Size Distribution Analysis. Energies, 2022, 15, 3199.	3.1	2
36720	Interplay Between Competition Pinch Effect and Repulsion Force in Carbon Nanotubes. International Journal of Nanoscience, 0, , .	0.7	0
36721	Enhancing the Mechanical Robustness of Gold Nanowire Array via Sulfideâ€™Mediated Growth. Small Structures, 2022, 3, .	12.0	3
36722	Materials and device design for advanced phototherapy systems. Advanced Drug Delivery Reviews, 2022, 186, 114339.	13.7	24
36723	Oxidation of Carbon Nanotubes for Improving the Mechanical and Electrical Properties of Oil-Well Cement-Based Composites. ACS Applied Nano Materials, 2022, 5, 6671-6678.	5.0	16
36724	Effect of Tube Diameters and Functional Groups on Adsorption and Suspension Behaviors of Carbon Nanotubes in Presence of Humic Acid. Nanomaterials, 2022, 12, 1592.	4.1	2
36725	Morphological Control of Biochar with Emerging Functionalities by Thermodynamic and Kinetic Approaches. Accounts of Materials Research, 2022, 3, 525-539.	11.7	5
36726	A Methodical Review on Carbon-Based Nanomaterials in Energy-Related Applications. Adsorption Science and Technology, 2022, 2022, .	3.2	22

36728	Structural Stability and Electronic Properties of Boron Phosphide Nanotubes: A Density Functional Theory Perspective. Symmetry, 2022, 14, 964.	2.2	4
36729	Magnetization in CNT induced by nitrogen doping and enhanced by transversal electric field application. Journal of Materials Science, 2022, 57, 9277-9298.	3.7	4
36730	Plasmochemical Synthesis of Platinum-Containing Carbon Nanostructures Suitable for CJP 3D\$-Printing. Metallofizika I Noveishie Tekhnologii, 2022, 44, 343-364.	0.5	4
36731	Ultrahigh Electron Thermal Conductivity in Tâ€CGraphene, Biphenylene, and Netâ€CGraphene. Advanced Energy Materials, 2022, 12, .	19.5	26
36732	Switching of support materials for the hydrogenation of nitroarenes: A review. Catalysis Reviews - Science and Engineering, 2024, 66, 259-342.	12.9	2
36733	Utility of Warped C80H30 nanographene for removal of toxic heavy metal ions from wastewater. Journal of Environmental Chemical Engineering, 2022, , 107878.	6.7	0
36734	Interaction of the Serine Amino Acid with BNNT, BNAINT, and BC2NNT. Arabian Journal for Science and Engineering, 0, , .	3.0	1
36735	Allowable stretching bond force constants on carbon nanomaterials: A DFT study. Diamond and Related Materials, 2022, 126, 109083.	3.9	2
36736	Synthesis of Î³-graphyne using dynamic covalent chemistry. , 2022, 1, 449-454.		106
36737	Experimental investigation of buckling behavior of E-glass/epoxy laminated composite materials with multi-walled carbon nanotube under uniaxial compression load. Journal of Composite Materials, 2022, 56, 2573-2584.	2.4	4
36738	On the interplay between a novel iron and iron-carbide atomic layer deposition process, the carbon nanotube growth, and the metalâ€“carbon nanotube coating properties on silica substrates. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, 033415.	2.1	0
36739	Direct Ink Writing of Carbon-Doped Polymeric Composite Ink: A Review on Its Requirements and Applications. 3D Printing and Additive Manufacturing, 2023, 10, 828-854.	2.9	9
36740	Interface Interaction Dependent Growth of Carbon Nanostructures: An In Situ Study. Advanced Materials Interfaces, 2022, 9, .	3.7	4
36741	Nanoarchitectonics of Carbon Nanostructures: Sodium Dodecyl Sulfonate @ Sodium Chloride System. Nanomaterials, 2022, 12, 1652.	4.1	2
36742	A review on recent advances on the mechanical and conductivity properties of epoxy nanocomposites for industrial applications. Polymer Bulletin, 2023, 80, 3449-3487.	3.3	7
36743	B24N24 nanocage as an electronic sensor for metronidazole drug: density functional theory studies. Journal of Molecular Modeling, 2022, 28, 134.	1.8	5
36744	Đ”Đ¼ŃĐ»Ń–ĐĐĐĐĐĐ½Đ½Ń•ŃĐĐ¼ŃŃ,Ńf ĐĐĐ»Ń–Ń,Đ,Đ½ Hela ĐĐŃ–ĐĐĐĐĐ½ŃfŃŃŃĐĐ¼ ĐĐĐ»ĐĐĐĐŃ,ŃĐĐ¼Đ½Đ½Đ,Đ½		

#	ARTICLE	IF	CITATIONS
36745	Assessment of carbon nanotube-based materials to preconcentrate metals: kinetic and reusability studies. Journal of Materials Science, 0, , 1.	3.7	0
36746	Graphene-reinforced nanocomposites: synthesis, micromechanics models, analysis and applications – a review. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 9218-9240.	2.1	14
36747	Mechanically Robust Vertically Aligned Carbon Nanotube Composites for Applications in Ultralow Reflectance Optical Elements. ACS Applied Nano Materials, 2022, 5, 6989-6994.	5.0	3
36748	Fracture and energetic strength scaling of epoxy-resins toughened with multi-walled carbon nanotubes. Engineering Fracture Mechanics, 2022, 268, 108495.	4.3	4
36749	Carbon nanotubes-based adsorbents: Properties, functionalization, interaction mechanisms, and applications in water purification. Journal of Water Process Engineering, 2022, 47, 102815.	5.6	49
36750	Effective reduction and doping of graphene oxide films at near-room temperature by microwave-excited surface-wave plasma process. Diamond and Related Materials, 2022, 126, 109066.	3.9	5
36751	An effect of MHD fluid flow heat transfer using CNTs with thermal radiation and heat source/sink across a stretching/shrinking sheet. International Communications in Heat and Mass Transfer, 2022, 135, 106080.	5.6	29
36752	Research progress on penta-graphene and its related materials: Properties and applications. Nano Today, 2022, 44, 101501.	11.9	45
36753	Radial and axial vibration modes of graphyne nanotubes. Materials Today Communications, 2022, 31, 103610.	1.9	1
36754	Experimental and statistical investigation on the wear and hardness behaviour of multiwalled carbon nanotubes reinforced copper nanocomposites. Wear, 2022, 500-501, 204368.	3.1	2
36755	A silanized MCNT/TPU-based flexible strain sensor with high stretchability for deformation monitoring of elastomeric isolators for bridges. Construction and Building Materials, 2022, 338, 127664.	7.2	4
36756	Effect of aspect ratio on piezo-resistance properties of aligned multi-walled carbon nanotube polymer composites. Materials Chemistry and Physics, 2022, 286, 126226.	4.0	0
36757	Flexible nanocomposite electrothermal films based on carbon nanotubes and waterborne polyurethane with high reliability, stretchability and low-temperature performance for wind turbine blade deicing. Composites Part A: Applied Science and Manufacturing, 2022, 158, 106979.	7.6	10
36758	Recent advances in carbon nanotube-based biosensors for biomolecular detection. TrAC - Trends in Analytical Chemistry, 2022, 154, 116658.	11.4	46
36759	Preparation and characterization of APTES-assisted Fe ₃ O ₄ /CNTs composites with high decontamination and high magnetic recovery capacity. Surfaces and Interfaces, 2022, 31, 102017.	3.0	5
36760	Development feasibility of TLD phosphors and thermoluminescent composite materials for potential applications in dosimetry: A review. Chemical Engineering Journal, 2022, 443, 136522.	12.7	17
36761	Stability and electronic transport properties for discernible binary (BN)C armchair heteronanotubes. Journal of Solid State Chemistry, 2022, 312, 123200.	2.9	3
36762	A Low-Power Positive Feedback Operational Amplifier Using Carbon Nanotube Field Effect Transistor. Lecture Notes in Electrical Engineering, 2022, , 923-930.	0.4	1

#	ARTICLE	IF	CITATIONS
36763	Biomaterials for bioprinting. , 2022, , 51-86.		2
36764	Carbon-based electrically conductive materials for bone repair and regeneration. Materials Advances, 2022, 3, 5186-5206.	5.4	15
36765	The Influence of the PECVD Parameters on the Growth of Carbon Nanotubes for Nanopiezotronic Devices. Technical Physics, 2022, 67, 34-40.	0.7	1
36766	Carbon-Based Nanocatalysts (CnCs) for Biomass Valorization and Hazardous Organics Remediation. Nanomaterials, 2022, 12, 1679.	4.1	12
36767	Catalytic Growth of Ultralong Graphene Nanoribbons on Insulating Substrates. Advanced Materials, 2022, 34, e2200956.	21.0	12
36768	The synthesis of sponge-type nitrogen-doped multiwall carbon nanotubes using ball-milled natural red-leptosol as catalyst precursor: A cycle voltammetry study. Carbon, 2022, 196, 510-524.	10.3	6
36769	Simultaneous production of hydrogen and carbon nanotubes from biogas over mono- and bimetallic catalyst. Journal of Environmental Chemical Engineering, 2022, 10, 107910.	6.7	17
36770	Dispersion characterizations and adhesion properties of epoxy composites reinforced by carboxymethyl cellulose surface treated carbon nanotubes. Powder Technology, 2022, 404, 117505.	4.2	7
36771	Photoelectronic properties for heteroatom derivatives of graphdiyne monolayer sheet. Journal of Physics and Chemistry of Solids, 2022, 167, 110793.	4.0	0
36775	The coming of age of water channels for separation membranes: from biological to biomimetic to synthetic. Chemical Society Reviews, 2022, 51, 4537-4582.	38.1	70
36776	Investigating the Effect of Hydroxyl Functionalized MWCNT on the Mechanical Properties of PMMA-Based Polymer Nanocomposites. Current Nanomaterials, 2023, 8, 162-174.	0.4	2
36777	A Recent Advancement in Nanotechnology Approaches for the Treatment of Cervical Cancer. Anti-Cancer Agents in Medicinal Chemistry, 2023, 23, 37-59.	1.7	3
36778	Evaluation and Comparison of CMOS logic circuits with CNTFET. , 2019, 3, 1-9.		1
36779	APPROXIMATE ANALYTICAL STUDY OF UNSTEADY FLOW AND HEAT TRANSFER ANALYSIS OF CARBON NANOTUBES NANOFLUID OVER STRETCHING SHEET. , 2022, 1, 25-38.		0
36780	Drosophila as a Suitable In Vivo Model in the Safety Assessment of Nanomaterials. Advances in Experimental Medicine and Biology, 2022, 1357, 275-301.	1.6	12
36781	Applications of nanostructured materials in heterogeneous catalysis: A review. AIP Conference Proceedings, 2022, , .	0.4	0
36782	Nanomaterials for Biomedical Engineering Applications. , 2022, , 75-102.		2
36783	Electrocatalysis with metal-free carbon-based catalysts. , 2022, , 213-244.		1

#	ARTICLE	IF	CITATIONS
36784	Carbon nanomaterialsâ€“polymer composites for perovskite solar cells: preparation, properties and applications. Journal of Materials Chemistry A, 2022, 10, 19211-19230.	10.3	11
36785	Wet Synthesis Methods of Shape-Memory Polymer Composites. , 2022, , 155-172.		1
36786	Heterogeneous carbon metal-free catalysts. , 2022, , 195-212.		0
36787	Carbon-based metal-free catalysts for photocatalytic reactions. , 2022, , 151-194.		1
36788	Nanocomposites of Carbon Nanotubes for Electrochemical Energy Storage Applications. Advances in Material Research and Technology, 2022, , 245-265.	0.6	1
36789	[Review] Applications of Glucuronoxylan to Nanotechnogy. Bulletin of Applied Glycoscience, 2022, 12, 27-32.	0.0	0
36790	Burn Them Right! Determining the Optimal Temperature for the Purification of Carbon Materials by Combustion. Journal of Carbon Research, 2022, 8, 31.	2.7	3
36791	Mechanical characterization of yarns made from carbon nanotubes for the instrumentation of particle beams at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, , 166867.	1.6	0
36792	3D carbon nanotubes-graphene hybrids for energy conversion and storage applications. Chemical Engineering Journal, 2022, 446, 137190.	12.7	23
36793	Physical properties of quantum dot cadmium sulphide nanomaterials for its applications, prepared by low cost chemical method. Materials Today: Proceedings, 2022, 66, 1750-1755.	1.8	1
36794	Preparation of carbon nanoparticles from activated carbon by aqueous counter collision. Journal of Wood Science, 2022, 68, .	1.9	4
36795	Mobility of Polymer Melts in a Regular Array of Carbon Nanotubes. Journal of Chemical Theory and Computation, 2022, 18, 3285-3295.	5.3	1
36796	Hydrogel Nanoarchitectonics: An Evolving Paradigm for Ultrasensitive Biosensing. Small, 2022, 18, .	10.0	31
36797	Model and Optimization of the Tether for a Segmented Space Elevator. Aerospace, 2022, 9, 278.	2.2	3
36798	Band gap regulation and a selective preparation method for single-walled silicon carbide nanotubes. Results in Physics, 2022, 38, 105658.	4.1	6
36799	CNT-motor driven by competition between thermal fluctuation and REF. International Journal of Mechanical Sciences, 2022, 225, 107372.	6.7	5
36800	CARBON-BASED nanomaterials and SKIN: An overview. Carbon, 2022, 196, 683-698.	10.3	17
36801	Graphyne nano-spirals under tension: Effects of base structures on superelasticity and fracture mechanisms. Mechanics of Materials, 2022, 171, 104367.	3.2	3

#	ARTICLE	IF	CITATIONS
36802	Subnanometer Single-Walled carbon nanotube growth from Fe-Containing Layered double hydroxides. Chemical Engineering Journal, 2022, 446, 137087.	12.7	7
36803	Study of zinc oxide/porous silicon interface for optoelectronic devices. Materials Science in Semiconductor Processing, 2022, 148, 106810.	4.0	7
36804	Synthesis of a Möbius carbon nanobelt. , 2022, 1, 535-541.		53
36805	<i>In vitro</i> toxicity of carbon nanotubes: a systematic review. RSC Advances, 2022, 12, 16235-16256.	3.6	30
36806	Fabrication of self-assembly CNT flexible film and its piezoresistive sensing behaviors. Nanotechnology Reviews, 2022, 11, 2050-2060.	5.8	1
36807	The promoter role of sulfur in carbon nanotube growth. Dalton Transactions, 2022, 51, 9256-9264.	3.3	5
36808	Carbon Nanomaterial Functionalization with Pesticide-Detoxifying Carboxylesterase Enzyme. SSRN Electronic Journal, 0, , .	0.4	0
36809	Preparation of Carbon Nanotube/Sio2 Composite Films and Their Tensile Properties in Harsh Wet Environments. SSRN Electronic Journal, 0, , .	0.4	0
36810	Carbon Nanotubes in Organic Catalysis. Composites Science and Technology, 2022, , 223-266.	0.6	4
36811	On Nanoteranostics and Breath Analysis of Cancer Tumor. Journal of Contemporary Physics, 2022, 57, 198-208.	0.6	2
36812	Simultaneous determination of dihydroxybenzene isomers by Co3O4/CNT-modified glassy carbon electrode. Journal of the Iranian Chemical Society, 2022, 19, 4159-4168.	2.2	2
36813	An Introduction to the Combustion of Carbon Materials. Chemistry - A European Journal, 0, , .	3.3	4
36814	The emergence of graphene research topics through interactions within and beyond. Quantitative Science Studies, 2022, 3, 457-484.	3.3	0
36815	Selective Ion Removal by Capacitive Deionization (CDI)-Based Technologies. Processes, 2022, 10, 1075.	2.8	6
36816	Influence of ionic liquid on the dielectric relaxation behavior of SWCNT reinforced poly(vinyl) Tj ETQq0 0 0 rgBT /Overclock 10 Tf 50 182 T	1.8	0
36817	Synthesis and Properties of Epoxy-Based Composites. , 0, , .		0
36818	An Effect of Radiation and MHD Newtonian Fluid over a Stretching/Shrinking Sheet with CNTs and Mass Transpiration. Applied Sciences (Switzerland), 2022, 12, 5466.	2.5	25
36819	Theoretical study of electronic and nonlinear optical properties of novel graphenylene-based materials with donor-acceptor frameworks. Journal of Molecular Modeling, 2022, 28, .	1.8	0

#	ARTICLE	IF	CITATIONS
36839	Preparation of ultra-thin sandwich Cu-Cu/CNTs-Cu composite foil with high tensile strength by electrodeposition. Journal of Electroanalytical Chemistry, 2022, 918, 116495.	3.8	3
36840	Advantages and disadvantages of electric arc methods for the synthesis of carbon nanostructures. Himia, Fizika Ta Tehnologija Poverhni, 2022, 13, 209-235.	0.9	7
36841	Graphene core-shell structure guided functionalized interface to prepare high-strength, high-plasticity, and high-conductivity copper matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 847, 143349.	5.6	3
36842	Carbon nano-structures and functionalized associates: Adsorptive detoxification of organic and inorganic water pollutants. Inorganic Chemistry Communication, 2022, 141, 109579.	3.9	16
36843	Modifying electronic and magnetic properties of the Sb monolayer by doping with III-, IV-, and V-group atoms. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 142, 115315.	2.7	3
36844	An overview on atmospheric carbonaceous particulate matter into carbon nanomaterials: A new approach for air pollution mitigation. Chemosphere, 2022, 303, 135027.	8.2	10
36845	Catalyst and substrate-free synthesis of graphene nanosheets by unzipping C60 fullerene clusters using a pulse current method. Materials Science in Semiconductor Processing, 2022, 149, 106831.	4.0	2
36846	Re-entrant Spin Glass and Magnetocaloric Effect in Frustrated Double Perovskite $\text{Ho}_2\text{CoMnO}_6$ Flat Nanorod. Journal of Magnetism and Magnetic Materials, 2022, 559, 169537.	2.3	4
36847	Development of CNTs suspended thin nanoliquid film over a nonlinear stretching sheet. Mathematics and Computers in Simulation, 2022, 201, 291-304.	4.4	4
36859	Fabrication of Electron Field Emitters Using Carbon Nanotubes. International Journal of High Speed Electronics and Systems, 2000, 10, 5-11.	0.7	0
36861	Low-Energy Electronic States of Carbon Nanocones in an Electric Field. Nano-Micro Letters, 2010, 2, .	27.0	0
36862	Flame Retardant Polyurethane Nanocomposites. ACS Symposium Series, 0, , 221-238.	0.5	0
36863	First Principle Contemplation of Carbon Peapod (C_{20} @CNT) Junction. , 2021, , .		0
36864	Rashba effect and flat band in one-dimensional helical Se atomic chain. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.5	0
36865	Recent advances in metal-free catalysts for the remediation of antibiotics, antibiotic resistant bacteria (ARB), and antibiotic resistant genes (ARGs). Journal of Materials Chemistry A, 2022, 10, 15235-15266.	10.3	19
36866	Carbon nanomaterials for lithium-ion batteries. , 2022, , .		0
36867	Structures, and electronic and spectral properties of single-atom transition metal-doped boron clusters $\text{MB}_{24}^{\text{M}}$ (M = Sc, Ti, V, Cr, Mn, Fe, Co, and Ni). RSC Advances, 2022, 12, 16706-16716.	3.6	7
36868	Single-atom site catalysts based on high specific surface area supports. Physical Chemistry Chemical Physics, 2022, 24, 17417-17438.	2.8	11

#	ARTICLE	IF	CITATIONS
36869	Oxygen reduction reaction by metal-free catalysts. , 2022, , 241-275.		1
36870	Arc Discharge Device Working at Atmospheric Pressure. Materials Sciences and Applications, 2022, 13, 359-365.	0.4	0
36871	Amorphous Carbon Nanotubes-Molybdenum Disulphide: A Potential Material for Energy Storage. SSRN Electronic Journal, 0, , .	0.4	0
36872	Application of nanomaterials to enhance the performance of wastewater treatment processes. , 2022, , 269-302.		0
36873	Nanotechnology and green nano-synthesis for nano-bioremediation. , 2022, , 843-856.		0
36874	Carbonaceous Nanocomposites Derived from Waste Material for Wastewater Treatment. ACS Symposium Series, 0, , 43-73.	0.5	0
36875	Natural rubber reinforced with super-hydrophobic multiwalled carbon nanotubes: obvious improved abrasive resistance and enhanced thermal conductivity. Journal of Polymer Engineering, 2022, 42, 688-694.	1.4	2
36876	Recent Advances in Flexible Sensors and Their Applications. Sensors, 2022, 22, 4653.	3.8	32
36877	Giant bulk photovoltaic effect driven by the wall-to-wall charge shift in WS ₂ nanotubes. Nature Communications, 2022, 13, .	12.8	17
36878	Measuring Thermal Conductivity of an Individual Carbon Nanotube Using Raman Spectroscopy. Journal of Thermal Science, 2022, 31, 1016-1022.	1.9	2
36879	Mechanical and thermal properties of carbon nanotubes and boron nitride nanotubes for fuel cells and hydrogen storage applications: A comparative review of molecular dynamics studies. International Journal of Hydrogen Energy, 2022, 47, 24916-24944.	7.1	12
36880	Hydrophilic Micro- and Macroelectrodes with Antibiofouling Properties for Biomedical Applications. ACS Biomaterials Science and Engineering, 2022, 8, 2920-2931.	5.2	4
36881	Extraction and separation feasibility of cerium (III) and lanthanum (III) from aqueous solution using modified graphite adsorbent. Environmental Science and Pollution Research, 2022, 29, 79649-79666.	5.3	10
36882	Highly efficient electrical discharge machining of yttria-stabilized zirconia ceramics with graphene nanostructures as fillers. Journal of the European Ceramic Society, 2022, 42, 5943-5952.	5.7	6
36883	Novel ternary adders and subtractors in quantum cellular automata. Journal of Supercomputing, 2022, 78, 18454-18496.	3.6	2
36884	Systematic assessment of f-MWCNT transport in aqueous medium: the effect of shear and non-shear forces. International Journal of Environmental Science and Technology, 2023, 20, 6291-6306.	3.5	1
36885	The electronic structure of graphene like C ₂₀ H ₁₀ CdN ₆ O _{8.5} metalâ€organic nanotube (MONT) based on FP-LAPW: for optoelectronic and thermoelectric devices. Optical and Quantum Electronics, 2022, 54, .	3.3	0
36886	Functionalized Carbon Allotropes as Corrosion Inhibitors. ACS Symposium Series, 0, , 87-114.	0.5	2

#	ARTICLE	IF	CITATIONS
36887	Stretchable piezo-electric energy harvesting device with high durability using carbon nanomaterials with different structure and their synergism with molybdenum disulfide. Journal of Vinyl and Additive Technology, 2022, 28, 813-827.	3.4	6
36888	Atomistic Modeling of the Electrical Conductivity of Single-Walled Carbon Nanotube Junctions. Physica Status Solidi - Rapid Research Letters, 0, , .	2.4	0
36889	Molecular dynamics study of lithium intercalation into -OH functionalized carbon nanotube bundle. Scientific Reports, 2022, 12, .	3.3	1
36890	Evaluation of isocyanate functionalization ratio on multi-walled carbon nanotubes during N ₂ /CO ₂ plasma treatment. Japanese Journal of Applied Physics, 2023, 62, SA1005.	1.5	1
36891	Influence of Carbon Micro- and Nano-Fillers on the Viscoelastic Properties of Polyethylene Terephthalate. Polymers, 2022, 14, 2440.	4.5	8
36892	Effect of Carbon Nanotube Content and Mechanical Milling Conditions on the Manufacture of AA7075/MWCNT Composites. Metals, 2022, 12, 1020.	2.3	2
36893	Molecular Structural Insight into the Cold Crystallization Process of Ionic Liquid Crystals. Journal of Physical Chemistry C, 2022, 126, 10668-10676.	3.1	3
36894	Review: adsorbents for the recovery of precious metals from wastewater. Journal of Materials Science, 2022, 57, 10886-10911.	3.7	13
36895	Experimental study on physical and mechanical properties and micro mechanism of carbon nanotubes cement-based composites. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 1252-1263.	2.1	8
36896	Adsorption of a thione derivative on carbon, AlN, and BN nanotubes: a detailed DFT and MD investigation. Journal of Molecular Modeling, 2022, 28, .	1.8	12
36897	Influence of Bending Angle on Mechanical Performance of SWCNTs and DWCNTs Based on Molecular Mechanics: FE Approach. Journal of Vibration Engineering and Technologies, 2023, 11, 251-264.	2.2	2
36898	DFT Study on Sensing Properties of Twisted nano graphene (C80H30) Towards toxic sulfur gases (environmental pollution). Chemical Physics, 2022, , 111624.	1.9	2
36899	Recent Advances in Materials for Wearable Thermoelectric Generators and Biosensing Devices. Materials, 2022, 15, 4315.	2.9	17
36900	A semi-analytical framework for non-linear dynamic response of multi-phase laminated composite plate under the transverse patch and in-plane pulse localized loadings. Mechanics of Advanced Materials and Structures, 2023, 30, 3937-3964.	2.6	2
36901	Inorganic Radiolabeled Nanomaterials in Cancer Therapy: A Review. ACS Applied Nano Materials, 2022, 5, 8680-8709.	5.0	11
36902	Functionalization of Nanomaterials: Synthesis and Characterization. ACS Symposium Series, 0, , 1-26.	0.5	4
36903	Research of Low-Dimensional Carbon-Based Magnetic Materials. ACS Applied Electronic Materials, 2022, 4, 3263-3277.	4.3	8
36904	Thermoelastic vibrations of microbeam resonator under pulsed laser heating. Waves in Random and Complex Media, 0, , 1-28.	2.7	0

#	ARTICLE	IF	CITATIONS
36905	Phenyl glycidyl ether-based non-covalent functionalization of nano-carbon fillers for improving conductive properties of polymer composites. Composites Communications, 2022, 33, 101237.	6.3	5
36906	Engineering plants with carbon nanotubes: a sustainable agriculture approach. Journal of Nanobiotechnology, 2022, 20, .	9.1	31
36907	Significance of Non-DLVO Interactions on the Co-Transport of Functionalized Multiwalled Carbon Nanotubes and Soil Nanoparticles in Porous Media. Environmental Science & Technology, 2022, 56, 10668-10680.	10.0	10
36908	Recent progress of electroactive interface in neural engineering. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2023, 15, .	6.1	6
36909	Urea Disrupts the AOT Reverse Micelle Structure at Low Temperatures. Langmuir, 2022, 38, 7413-7421.	3.5	4
36910	Comparative study on the effect of carbon nanotubes and carbon black on fatigue properties of natural rubber composites. International Journal of Fatigue, 2022, 163, 107094.	5.7	13
36911	Recent Progress on Nanomaterials for NO2 Surface Acoustic Wave Sensors. Nanomaterials, 2022, 12, 2120.	4.1	5
36912	UNSTEADY THIN HYBRID NANOLIQUID FILM FLOW OVER A STRETCHABLE CYLINDER. Surface Review and Letters, 2022, 29, .	1.1	1
36913	Liquid crystals of neat boron nitride nanotubes and their assembly into ordered macroscopic materials. Nature Communications, 2022, 13, .	12.8	16
36914	Determination of the optimal additive content for carbon nanotube (CNT) dispersion and the influence of its incorporation on hydration and physical-mechanical performance of cementitious matrices. Construction and Building Materials, 2022, 343, 128112.	7.2	3
36915	Fabrication of MA-EPDM grafted MWCNTs by reactive extrusion for enhanced interfacial adhesion and mechanical properties of PP/MA-EPDM composite. Composites Part B: Engineering, 2022, 242, 110043.	12.0	9
36916	Effects of carbon nanotube (CNT) geometries on the dispersion characterizations and adhesion properties of CNT reinforced epoxy composites. Composite Structures, 2022, 296, 115942.	5.8	9
36917	Thermoelectric properties of pentagraphene. Physica B: Condensed Matter, 2022, 641, 414091.	2.7	11
36918	Graphene-based nanocomposites and nanohybrids for the abatement of agro-industrial pollutants in aqueous environments. Environmental Pollution, 2022, 308, 119557.	7.5	17
36919	High-performance electric and optical biosensors based on single-walled carbon nanotubes. Journal of Luminescence, 2022, 250, 119084.	3.1	14
36920	Stabilities, electronic and piezoelectric properties of blue-phosphorene-phase MXs (M=Ag, Sn; X=S, Se, Te) Tj ETQq1 1 0.784314 rg3T	6.1	2
36921	Ultrahigh sensitivity nitrogen-doping carbon nanotubes-based metamaterial-free flexible terahertz sensing platform for insecticides detection. Food Chemistry, 2022, 394, 133467.	8.2	16
36922	Overview of carbon dot synthesis. , 2022, , 39-68.		0

#	ARTICLE	IF	CITATIONS
36923	Tuning the properties of inorganic nanomaterials for theranostic applications in infectious diseases: Carbon nanotubes, quantum dots, graphene, and mesoporous carbon nanoparticles. , 2022, , 319-352.		2
36924	Ultrathin neural interfaces constructed from carbon and amorphous silicon carbide. , 2022, , 197-216.		0
36925	Contemporary review on carbon nanotube (CNT) composites and their impact on multifarious applications. Nanotechnology Reviews, 2022, 11, 2632-2660.	5.8	21
36927	Shape memory polymer-based self-healing composites. , 2022, , 305-383.		0
36929	Purification of Dense Carbon Nanotube Networks by Subcritical Hydrothermal Processing. SSRN Electronic Journal, 0, , .	0.4	0
36930	Conductive polymer-based composite photocatalysts for environment and energy applications. , 2022, , 505-538.		2
36931	Two-way CO ₂ -responsive dispersions of carbon nanotubes in water. Materials Advances, 2022, 3, 6549-6557.	5.4	2
36932	Selenene and Tellurene. , 2022, , 197-224.		2
36933	Análise da dispersão de nanotubos de carbono de paredes múltiplas com diferentes aditivos dispersantes. Revista Materia, 2022, 27, .	0.2	0
36934	Graphdiyne-based photocatalysts for solar fuel production. Green Chemistry, 2022, 24, 5739-5754.	9.0	30
36935	Carbon Nanotubes for Improving Rheological and Chemical Properties of Styrene-Butadiene-Styrene Modified Asphalt Binder. SSRN Electronic Journal, 0, , .	0.4	0
36936	Enormous Enhancement in Cnt Fiber Synthesis by Reducing Convection Vortex in Floating Catalyst Chemical Vapour Deposition. SSRN Electronic Journal, 0, , .	0.4	0
36937	Orthorhombic C32: A Topological Semimetal with Nodal Ring. SSRN Electronic Journal, 0, , .	0.4	0
36938	Phase Change Materials Employment for Battery Thermal Management System in Electric and Hybrid Vehicles: A Review. SSRN Electronic Journal, 0, , .	0.4	0
36939	Nanotechnology and Chemistry: The Unseen Scale with Magnificent Impact. Advances in Chemistry Education, 2022, , 1-35.	0.4	0
36940	Ultralow Thermal Contact Resistance Copper/Oriented-Carbon Nanotubes Composite Prepared by Hot-Pressing Sintering. SSRN Electronic Journal, 0, , .	0.4	0
36942	Microwave absorption of ferrite/carbon nanocomposites. , 2022, , 435-519.		0
36943	Current trends on flexible and wearable mechanical sensors based on conjugated polymers combined with carbon nanotubes. , 2022, , 361-399.		0

#	ARTICLE	IF	CITATIONS
36944	Carbon Nanotubes Synthesized by CCVD Method using Diatomite and Shungite Minerals. Eurasian Chemico-Technological Journal, 2022, 24, 3.	0.6	0
36945	Carbon nanostructures containing boron impurity atoms: synthesis, physicochemical properties and potential applications. Modern Electronic Materials, 2022, 8, 23-42.	0.6	3
36946	Future Prospects for Clinical Applications of Nanocarbons Focusing on Carbon Nanotubes. Advanced Science, 2022, 9, .	11.2	3
36947	Effect of Cattaneo-Christov approximation for viscoelastic fluid with carbon nanotubes on flow and heat transfer. Scientific Reports, 2022, 12, .	3.3	7
36949	Carbon Nanotubes in Tumor-Targeted Chemotherapeutic Formulations: A Review of Opportunities and Challenges. ACS Applied Nano Materials, 2022, 5, 8649-8679.	5.0	6
36950	Laser Ion Acceleration in a Near Critical Density Trap. Photonics, 2022, 9, 453.	2.0	3
36951	Fluorescent Nanoparticles for Super-Resolution Imaging. Chemical Reviews, 2022, 122, 12495-12543.	47.7	82
36952	Boron nitride materials as emerging catalysts for oxidative dehydrogenation of light alkanes. Nanotechnology, 2022, 33, 432003.	2.6	6
36954	Cellulose surface modification for improved attachment of carbon nanotubes. Cellulose, 2022, 29, 6057-6076.	4.9	7
36956	Low-cost coagulation treatment of dye sensitizer for improved time immersion of dye-sensitized solar cells (DSSC). Microelectronic Engineering, 2022, 262, 111832.	2.4	4
36957	Plasticizer for controlling single-walled carbon nanotube fibers and zincophilic sites of microfiber supercapacitor. International Journal of Energy Research, 2022, 46, 16918-16928.	4.5	2
36958	Electronic Properties and Band Gaps of Single-Wall Carbon Nanotubes Using π -Orbitals Tight-Binding Model: A Comparative Study with ab Initio Density Functional Theory. Journal of Nano Research, 0, 74, 1-10.	0.8	3
36959	Special Issue "Applications of Porous Nanotubes". Materials, 2022, 15, 4833.	2.9	0
36960	Carbon Dots for Carbon Dummies: The Quantum and The Molecular Questions Among Some Others. Chemistry - A European Journal, 2022, 28, .	3.3	21
36961	A review on the effect of oxide nanoparticles, carbon nanotubes, and their hybrid structure on the toughening of epoxy nanocomposites. Journal of Materials Science, 0, , .	3.7	6
36962	Recent progress of sulfur cathodes and other components for flexible lithium-sulfur batteries. Materials Today Sustainability, 2022, 19, 100181.	4.1	8
36963	Design of lightweight and ultrastrong nanoarchitected carbon by a coarse-grained model. Composites Part A: Applied Science and Manufacturing, 2022, 161, 107066.	7.6	1
36964	Laser Beat-Wave Acceleration near Critical Density. Photonics, 2022, 9, 476.	2.0	3

#	ARTICLE	IF	CITATIONS
36965	Potential of Low Carbon Nanotubes Dosage on Chromium Removal from Water. IIUM Engineering Journal, 2022, 23, 10-19.	0.8	0
36966	Intermolecular interactions between cyclo[18]carbon and XCN (X=H, F, Cl, Br, I): a theoretical study. Journal of Molecular Modeling, 2022, 28, .	1.8	4
36967	Verification of Some Topological Indices of Y-Junction Based Nanostructures by M-Polynomials. Journal of Mathematics, 2022, 2022, 1-18.	1.0	30
36968	Research Progress of Photothermal Nanomaterials in Multimodal Tumor Therapy. Frontiers in Oncology, 0, 12, .	2.8	6
36969	Porosity dependent torsional vibrations of restrained FG nanotubes using modified couple stress theory. Materials Today Communications, 2022, 32, 103969.	1.9	21
36970	A simple method to form a forest of carbon nanotube bundles during growth stage. SN Applied Sciences, 2022, 4, .	2.9	0
36971	Nonlinear bending analysis of carbon nanotube-reinforced composite plates in combined thermal and mechanical loading. Acta Mechanica, 0, , .	2.1	1
36972	Fracture behavior in micro-cantilever beam and tension tests for Mg/CNT composites synthesized by the sandwich technique. MRS Communications, 0, , .	1.8	0
36973	Electronic, transport, magnetic, and optical properties of graphene nanoribbons and their optical sensing applications: A comprehensive review. Luminescence, 2023, 38, 909-953.	2.9	9
36974	An overview of synthesis, characterization, applications and associated adverse effects of bioactive nanoparticles. Environmental Research, 2022, 214, 113919.	7.5	10
36975	Shock processing of amorphous carbon nanodust. Advances in Space Research, 2022, 70, 2571-2581.	2.6	10
36976	Simultaneous Determination of Diamide Insecticides in Honeysuckle Using a Modified QuEChERS Based on Carboxylated Multi-walled Carbon Nanotubes and UPLC-PDA**. ChemistrySelect, 2022, 7, .	1.5	3
36977	The stimulus role of lithium sulfate (Li ₂ SO ₄) on the electrical and mechanical properties of poly (vinyl alcohol)-MWCNTS-based thin film composites. Journal of Materials Science: Materials in Electronics, 2022, 33, 18157-18166.	2.2	3
36978	A critical review of the recent progress on carbon nanotubes-based nanogenerators. Sensors and Actuators A: Physical, 2022, 344, 113743.	4.1	14
36979	Substituted nickel ferrite coated MWCNT/PVDF based epoxy nanocomposite for microwave absorption. Ceramics International, 2022, 48, 30260-30271.	4.8	10
36980	An advanced molecularly imprinted electrochemical sensor based bifunctional monomers for highly sensitive detection of nitrofurazone. Electrochimica Acta, 2022, 427, 140858.	5.2	12
36981	A First Assessment of Carbon Nanotubes Grown on Oil-Well Cement via Chemical Vapor Deposition. Nanomaterials, 2022, 12, 2346.	4.1	1
36982	Nanoparticles in the diagnosis and treatment of vascular aging and related diseases. Signal Transduction and Targeted Therapy, 2022, 7, .	17.1	22

#	ARTICLE	IF	CITATIONS
36983	Superdurable and fire-retardant structural coloration of carbon nanotubes. Science Advances, 2022, 8, .	10.3	16
36984	A review on the alternative of indium tin oxide coated glass substrate in flexible and bendable organic optoelectronic device. Polymers for Advanced Technologies, 2022, 33, 3078-3111.	3.2	14
36985	Ferroelectricity induced by the absorption of water molecules on double helix SnIP. Chinese Physics B, 2023, 32, 037701.	1.4	2
36986	Effect of Ni-Coated Carbon Nanotubes Additions on the Eutectic Sn-0.7Cu Lead-Free Composite Solder. Metals, 2022, 12, 1196.	2.3	4
36987	One Step Fabrication of Aligned Carbon Nanotube Sheet via FC-CVD Technique. Journal of Nanomaterials, 2022, 2022, 1-10.	2.7	5
36988	Platinum on Oxidized Graphene Sheets: A Bifunctional Electrocatalyst for Hydrogen Oxidation Reaction and Methanol Oxidation Reaction. ECS Journal of Solid State Science and Technology, 2022, 11, 071009.	1.8	1
36989	Statistical Verification of Anomaly in Chiral Angle Distribution of Air-Suspended Carbon Nanotubes. Nano Letters, 2022, 22, 5818-5824.	9.1	3
36990	The Critical Role of Carbon Nanotubes in Bridging Academic Research to Commercialization of Lithium Batteries. Chemical Record, 2022, 22, .	5.8	7
36991	Step-By-Step Development of Vertically Aligned Carbon Nanotubes by Plasma-Enhanced Chemical Vapor Deposition. Coatings, 2022, 12, 943.	2.6	0
36992	Opto-electronic Properties of Small ZnO(_2) Nanoparticles: First-Principles Insights. Communications in Physics, 2022, 32, .	0.0	0
36993	Mechanical Properties, Melting and Crystallization Behaviors, and Morphology of Carbon Nanotubes/Continuous Carbon Fiber Reinforced Polyethylene Terephthalate Composites. Polymers, 2022, 14, 2892.	4.5	7
36994	Carbon Nanomaterials: Fullerene to Graphene. , 0, , .		1
36995	Some approximate buckling solutions of triple-walled carbon nanotube. Vietnam Journal of Mechanics, 0, , .	0.5	0
36996	The interaction of deep eutectic solvents with pristine carbon nanotubes and their associated defects: A density functional theory study. Journal of Molecular Liquids, 2022, 363, 119855.	4.9	5
36997	Manufacturing Techniques for Mg-Based Metal Matrix Composite with Different Reinforcements. Crystals, 2022, 12, 945.	2.2	23
36998	Recent advances in electrochemical sensors based on palladium nanoparticles. Chinese Journal of Analytical Chemistry, 2022, 50, 100144.	1.7	3
36999	Photocatalytic Activity of Silicon Nanowires Decorated with PbS Nanoparticles Deposited by Pulsed Laser Deposition for Efficient Wastewater Treatment. Materials, 2022, 15, 4970.	2.9	6
37000	Dividing distribution of Ni nanoparticles on the surfaces of collapsed multi-walled carbon nanotubes at the edges. Applied Physics Express, 2022, 15, 075004.	2.4	0

#	ARTICLE	IF	CITATIONS
37001	Hybrid Platforms of Silicon Nanowires and Carbon Nanotubes in an Ionic Liquid Bucky Gel. <i>Molecules</i> , 2022, 27, 4412.	3.8	2
37003	Acute toxicity and 28-day repeated dose studies of multi-walled carbon nanotubes. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	1
37004	Effect of multi-walled carbon nanotube on reactive powder concrete (RPC) performance in sulfate dry-wet cycling environment. <i>Construction and Building Materials</i> , 2022, 342, 128075.	7.2	10
37005	Tuning the linear actuation of multiwall carbon nanotube fibers with carbide-derived carbon. <i>Synthetic Metals</i> , 2022, 288, 117099.	3.9	1
37006	Effect of crack on shear buckling of CNTRC plates. <i>International Journal of Mechanical Sciences</i> , 2022, 229, 107519.	6.7	6
37007	Controlled modification of polyvinylidene fluoride as a way for carbyne synthesis. <i>Polymer Degradation and Stability</i> , 2022, 203, 110054.	5.8	3
37008	A locust bean and pectin polymer blend integrated with thio-bridged pyridinyl additive as a novel cobalt and copper gel electrolyte system for dye-sensitized solar cells. <i>Optical Materials</i> , 2022, 131, 112657.	3.6	3
37009	Size and displacement combining detection on physics properties of carbon nanotubes using a proposed energy approach. <i>Sensors and Actuators A: Physical</i> , 2022, 344, 113729.	4.1	0
37010	Dynamic analysis of double-walled carbon nanotubes embedded in elastic medium under a nanoparticle delivery. <i>Diamond and Related Materials</i> , 2022, 128, 109194.	3.9	2
37011	Recent advances on ink-based printing techniques for triboelectric nanogenerators: Printable inks, printing technologies and applications. <i>Nano Energy</i> , 2022, 101, 107585.	16.0	15
37012	In-situ preparation of carbon nanotubes on CuO nanowire via chemical vapor deposition and their growth mechanism investigation. <i>Vacuum</i> , 2022, 204, 111337.	3.5	3
37013	Multiscale modeling assessment of the interfacial properties and critical aspect ratio of structurally defected graphene in polymer nanocomposites for defect engineering. <i>European Journal of Mechanics, A/Solids</i> , 2022, 96, 104728.	3.7	6
37014	Mathematical analysis about influence of Lorentz force and interfacial nano layers on nanofluids flow through orthogonal porous surfaces with injection of SWCNTs. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 12925-12941.	6.4	42
37015	Mild acid-based surfactant-free solutions of single-walled carbon nanotubes: Highly viscous, less toxic, and humidity-insensitive solutions. <i>Chemical Engineering Journal</i> , 2022, 450, 137983.	12.7	5
37016	Statistics of charge transfer through impurities in strongly correlated 1D metals [*] . <i>Annalen Der Physik</i> , 2007, 519, 661-671.	2.4	0
37019	A review of arc-discharge method towards large-scale preparation of long linear carbon chains. <i>Chinese Physics B</i> , 2022, 31, 125201.	1.4	2
37020	Effect of Nd ³⁺ ions on structural, spectral, magnetic, and dielectric properties of Co ²⁺ /Zn soft ferrites synthesized via sol-gel technique. <i>Materials Chemistry and Physics</i> , 2022, 290, 126519.	4.0	7
37021	Wave Propagation in Smart Sandwich Plates with Functionally Graded Nanocomposite Porous Core and Piezoelectric Layers in Multi-Physics Environment. <i>International Journal of Applied Mechanics</i> , 2022, 14, .	2.2	31

#	ARTICLE	IF	CITATIONS
37022	Spin transport properties of carbon nanotubes by ferromagnetic zigzag triangular defects: A first-principles study. <i>Materials Today Communications</i> , 2022, 32, 104074.	1.9	2
37023	Fabrication of Multi-Vacancy-Defect MWCNTs by the Removal of Metal Oxide Nanoparticles. <i>Polymers</i> , 2022, 14, 2942.	4.5	3
37024	Monolayer 2D polymeric fullerene: A new member of the carbon material family. <i>Chem</i> , 2022, 8, 2079-2081.	11.7	7
37025	Numerical study of convection phenomenon in hybrid nanofluid flow over vertical rotating cylinder. <i>International Journal of Modern Physics B</i> , 2022, 36, .	2.0	3
37026	Formation of carbon nanotube yarn by gas discharge breakdown. <i>Japanese Journal of Applied Physics</i> , 0, , .	1.5	0
37027	Synthesis of luminescent graphene quantum dots from biomass waste materials for energy-related applications—An overview. <i>Energy Storage</i> , 2023, 5, .	4.3	29
37028	Evolution of Microstructure and Mechanical Properties of CNTs/Al-Mg Composites Prepared by Powder Metallurgy. <i>Integrated Ferroelectrics</i> , 2022, 228, 1-8.	0.7	1
37029	Thermoresistive and thermoelectric properties of coplanar cellulose-MWCNTs buckypaper. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , .	2.2	0
37030	Exact modal analysis of multilayered FG-CNT plate assemblies using the dynamic stiffness method. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 4501-4520.	2.6	5
37031	Microstructural and mechanical properties of CNT-reinforced ZrO ₂ -Y ₂ O ₃ coated boiler tube steel T-91. <i>Journal of Electrochemical Science and Engineering</i> , 0, , .	3.5	0
37032	Recent Progress on the Applications of Nanomaterials and Nano-Characterization Techniques in Endodontics: A Review. <i>Materials</i> , 2022, 15, 5109.	2.9	9
37033	A Single-Coordination Magnet Tape with Five-Coordinate Cobalt(II) Centers. <i>European Journal of Inorganic Chemistry</i> , 2022, 2022, .	2.0	4
37034	Enhancement of load transfer by interfacial bonding in Al-Cu-Mg joints under the in-situ synergistic effect of carbon nanotubes and silicon nitride. <i>Materials Characterization</i> , 2022, 191, 112144.	4.4	7
37035	ã,«ãf¼ãfœãf³ãfŠãfŽãf¥ãf¼ãf–ãfêãf”ãfŠãf “ãf”ãf”ãf©ãf¶. <i>Seni Kikai Gakkai Shi/Journal of the Textile Machinery Society of Japan</i> , 2022, 66, 100-104.		0
37036	Influence of three-hydroxy-2-naphthoic acid functionalized SWCNTs on the electrical and mechanical properties of poly (vinyl chloride). , 0, , 125-137.		3
37037	Morphology of nanoparticle-based polymer composites. , 2022, , 151-179.		0
37038	Carbon-based adsorbents for remediation of noxious pollutants from water and wastewater. , 2022, , 177-194.		1
37039	Auxetic ographene: a new 2D Dirac nodal-ring semimetal carbon-based material with a high negative Poisson's ratio. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 21806-21811.	2.8	1

#	ARTICLE	IF	CITATIONS
37040	Introduction to graphene. , 2022, , 1-19.		0
37041	An estimation of HOMOâ€“LUMO gap for a class of molecular graphs. Main Group Metal Chemistry, 2022, 45, 100-105.	1.6	1
37042	Catalytic Synthesis of Carbon Nanotubes by Ni/ZSM-5 Catalyst from Waste Plastic Syngas. Journal of Biobased Materials and Bioenergy, 2022, 16, 356-366.	0.3	0
37043	Molecular Dynamics Simulation of Carbon and Boron Nitride nanotubes: Tensile and Compressive Behavior. IOP Conference Series: Materials Science and Engineering, 2022, 1248, 012101.	0.6	2
37044	Nanostructures and catalytic atoms engineering of telluriumâ€“based materials and their roles in electrochemical energy conversion. SmartMat, 2023, 4, .	10.7	9
37045	Synthesis and Analysis of Impregnation on Activated Carbon in Multiwalled Carbon Nanotube for Cu Adsorption from Wastewater. Bioinorganic Chemistry and Applications, 2022, 2022, 1-8.	4.1	22
37046	Carbon-based nanomaterials in gene therapy. OpenNano, 2022, 7, 100062.	4.8	17
37047	Molecular Dynamics Simulation of Carbon Nanotube Reinforced Rubber Composites. IOP Conference Series: Materials Science and Engineering, 2022, 1248, 012057.	0.6	0
37048	Study on the ozonation-modified multi-walled carbon nanotubes in polymer composites. Polymer Bulletin, 2023, 80, 6527-6543.	3.3	1
37049	A DFT Comparative Study of Cyclo[18] Nanorings: Carbon, BN and BCN. Journal of Cluster Science, 2023, 34, 1465-1473.	3.3	4
37050	Fabrication of a Novel (PVDF/MWCNT/Polypyrrole) Antifouling High Flux Ultrafiltration Membrane for Crude Oil Wastewater Treatment. Membranes, 2022, 12, 751.	3.0	4
37051	Carbon nanomaterials for the treatment of water pollutant in the purpose of environmental remediation. IOP Conference Series: Earth and Environmental Science, 2022, 1055, 012002.	0.3	0
37052	Karbon nanotâ¼p Â¶râ¼ntâ¼lâ¼ polymer silindirik kabuklarÂ±n eksenel yâ¼k etkisi altÂ±nda burkulmasÂ±. Â¶mer Halisdemir Â¶niversitesi Mâ¼hendislik Bilimleri Dergisi, 0, , .	0.5	0
37053	Oxidized multiwalled carbon nanotube reinforced rheological examination on Gum ghattiâ€“poly</i> (acrylic acid) hydrogels. Journal of Applied Polymer Science, 2022, 139, .	2.6	9
37054	Investigation of photocatalytic activity of TiO₂ nanotubes synthesized by hydrothermal method. Chemical Engineering Communications, 2023, 210, 1383-1403.	2.6	3
37056	CNT/2009Al Aluminum Matrix Composite Sheet Forming for a V-Shaped Skin Part. Key Engineering Materials, 0, 926, 1795-1801.	0.4	0
37057	Editorial: Nano-Imaging in Translational Cancer Medicine. Frontiers in Bioengineering and Biotechnology, 0, 10, .	4.1	0
37058	Can Graphene Oxide Help to Prevent Peri-Implantitis in the Case of Metallic Implants?. Coatings, 2022, 12, 1202.	2.6	4

#	ARTICLE	IF	CITATIONS
37059	Modeling the electronic properties for CNT interacted with ZnO, CuO, and Co ₃ O ₄ . Optical and Quantum Electronics, 2022, 54, .	3.3	3
37060	Structure-oriented conversions of plastics to carbon nanomaterials. , 2022, 1, .		31
37061	EXPERIMENTAL INVESTIGATION ON THE PERFORMANCE OF COPPER-BASED MWCNT COMPOSITE ELECTRODE IN EDM. Surface Review and Letters, 2022, 29, .	1.1	1
37062	Applications of Spectroscopic Techniques for Characterization of Polymer Nanocomposite: A Review. Journal of Inorganic and Organometallic Polymers and Materials, 0, , .	3.7	3
37065	Fullerene Derivatives (CN-[OH] ²) and Single-Walled Carbon Nanotubes Modelled as Transporters for Doxorubicin Drug in Cancer Therapy. International Journal of Molecular Sciences, 2022, 23, 9646.	4.1	2
37066	New paradigms in molecular nanocarbon science. Tetrahedron, 2022, , 132907.	1.9	6
37067	Immunotoxicity of Carbon-Based Nanomaterials, Starring Phagocytes. International Journal of Molecular Sciences, 2022, 23, 8889.	4.1	6
37069	Electric Arc Methods to Synthesize Carbon Nanostructures. Progress in Physics of Metals, 2022, 23, .	1.5	4
37070	Functionalization of polyfluorene- π -wrapped carbon nanotubes using thermally cleavable side-chains. Journal of Polymer Science, 0, , .	3.8	2
37071	Carbon-Related Materials: Graphene and Carbon Nanotubes in Semiconductor Applications and Design. Micromachines, 2022, 13, 1257.	2.9	40
37072	Gas permeation through nanoporous single-walled carbon nanotubes: the confinement effect. Nanotechnology, 2022, 33, 455704.	2.6	0
37073	Single walled carbon nanotubes in high concentrations is cytotoxic to the human neuronal cell LN18. Results in Chemistry, 2022, 4, 100484.	2.0	41
37074	Graphene and CNT-Based Smart Fiber-Reinforced Composites: A Review. Advanced Functional Materials, 2022, 32, .	14.9	67
37075	Be ₄ B ₁₂ ⁺ : A Covalently Bonded Archimedean Beryll-Borosphenene. Angewandte Chemie - International Edition, 2022, 61, .	13.8	13
37076	Development of polymer electrolyte based on graphite/MWNTs fillers for sustainable dye-sensitized solar cell. Chemical Papers, 0, , .	2.2	0
37078	Reinforcing effects of carbon nanotubes on graphene/trans-1,4-polyisoprene/natural rubber composites. Journal of Polymer Research, 2022, 29, .	2.4	6
37079	Adsorption of pharmaceutical products from aqueous solutions on functionalized carbon nanotubes by conventional and green methods: A critical review. Journal of Cleaner Production, 2022, 372, 133743.	9.3	31
37080	Long-Chain Modification of the Tips and Inner Walls of MWCNTs and Their Nanocomposite Reverse Osmosis Membranes. Membranes, 2022, 12, 794.	3.0	0

#	ARTICLE	IF	CITATIONS
37081	A Study of Longitudinal Magnetic Field Effect on Critical Buckling Loads of SWCNT Embedded in Kerr Medium Using Nonlocal Euler–Bernoulli Theory. <i>Physical Mesomechanics</i> , 2022, 25, 344-352.	1.9	0
37082	Interlocking of Single-Walled Carbon Nanotubes with Metal-Tethered Tetragonal Nanobricks to Enrich a Few Hundredths of a Nanometer Range in Their Diameters. <i>ACS Nano</i> , 2022, 16, 12500-12510.	14.6	4
37083	Rotating Flow and Heat Transfer of Single-Wall Carbon Nanotube and Multi-Wall Carbon Nanotube Hybrid Nanofluid with Base Fluid Water over a Stretching Sheet. <i>Energies</i> , 2022, 15, 6060.	3.1	5
37084	Quantitative Characterization of Oxygen-Containing Groups on the Surface of Carbon Materials: XPS and NEXAFS Study. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 7744.	2.5	8
37085	Challenges and solutions of working under threshold supply voltage, for CNTFET-based SRAM bitcell. <i>IET Circuits, Devices and Systems</i> , 0, , .	1.4	0
37086	Effect of Mass on the Dynamic Characteristics of Single- and Double-Layered Graphene-Based Nano Resonators. <i>Materials</i> , 2022, 15, 5551.	2.9	24
37087	Size-dependent melting of onion-like fullerenic carbons: a molecular dynamics and machine learning study. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 425402.	1.8	2
37088	Effects of Doping Cadmium Atoms on the Electronic and Optical Properties of (n, 0) Zigzag SWCNTs: DFT Approach. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 081009.	1.8	1
37089	Multiscale finite element simulation of mechanical properties of pillared graphene sheet reinforced composites. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 5068-5079.	2.6	3
37090	Be ₄ B ₁₂ +: A Covalently Bonded Archimedean Beryll–Borospherene. <i>Angewandte Chemie</i> , 0, , .	2.0	0
37091	Size dependent torsional vibration of a restrained single walled carbon nanotube (SWCNT) via nonlocal strain gradient approach. <i>Materials Today Communications</i> , 2022, 33, 104271.	1.9	5
37092	Entropy measures of Y-junction based nanostructures. <i>Ain Shams Engineering Journal</i> , 2023, 14, 101913.	6.1	9
37094	Scanning probe microscopy in probing low-dimensional carbon-based nanostructures and nanomaterials. <i>Materials Futures</i> , 2022, 1, 032301.	8.4	13
37095	Purification of dense carbon nanotube networks by subcritical hydrothermal processing. <i>Carbon Trends</i> , 2022, 9, 100206.	3.0	2
37096	Overview of organic–inorganic hybrid silica aerogels: Progress and perspectives. <i>Materials and Design</i> , 2022, 222, 111091.	7.0	38
37097	Electron microscopy study of BNNTs synthesized by high temperature–pressure method and purified by high-temperature steam. <i>Journal of Materials Research</i> , 0, , .	2.6	1
37098	Development of Carbon Nanotube (CNT)-Reinforced Mg Alloys: Fabrication Routes and Mechanical Properties. <i>Metals</i> , 2022, 12, 1392.	2.3	32
37099	Research Progress on Modification and Application of Raw Lacquer. <i>ChemistrySelect</i> , 2022, 7, .	1.5	2

#	ARTICLE	IF	CITATIONS
37100	Structure and electronic characterization of pristine and functionalized single wall carbon nanotube interacting with sulfide ion: A density functional theory approach. Journal of Molecular Liquids, 2022, 366, 120144.	4.9	10
37101	Bridging 1D Inorganic and Organic Synthesis to Fabricate Ultrathin Bismuthâ€Based Nanotubes with Controllable Size as Anode Materials for Secondary Li Batteries. Small, 2022, 18, .	10.0	1
37102	HSH-carbon: A novel sp ² â€sp ³ carbon allotrope with an ultrawide energy gap. Frontiers of Physics, 2022, 17, .	5.0	5
37103	Photoluminescence Study of Silver Nanoparticles Decorated on Multiwall Carbon Nanotubes (MWCNTs) by Spectrofluorometer. Key Engineering Materials, 0, 928, 153-161.	0.4	2
37104	Effects of Different Soil Modifiers on Salt Improvement and Distribution, Crop Growth of the Gully Land Consolidation on Loess Plateau. Journal of Sensors, 2022, 2022, 1-17.	1.1	2
37105	Study on the microstructure of the symbiosis of coal-based graphene and coal-based graphene quantum dots: preparation and characterization. Nanotechnology, 2022, 33, 455702.	2.6	1
37106	Phase change materials for battery thermal management of electric and hybrid vehicles: A review. Energy Nexus, 2022, 7, 100131.	7.7	33
37107	A review of carbon materials for supercapacitors. Materials and Design, 2022, 221, 111017.	7.0	128
37108	Influence of gradually vacating hexagonal patterns composition of C C bond in TWCNTs molecular structure using the FE method for vibrational analysis. Diamond and Related Materials, 2022, 128, 109296.	3.9	3
37109	Strength and fracture behaviors of ultralong carbon nanotubes with defects. Carbon, 2022, 199, 300-317.	10.3	5
37110	Investigating graphdiyne based materials for rechargeable batteries. Nano Today, 2022, 46, 101588.	11.9	8
37111	Synthesis, properties, and applications of carbyne nanocrystals. Materials Science and Engineering Reports, 2022, 151, 100692.	31.8	12
37112	Influence of multi-walled carbon nanotubes on the multi-scale performance of internally cured concrete containing pre-wetted lightweight aggregate. Journal of Building Engineering, 2022, 58, 104986.	3.4	6
37113	Liposomes containing nanoparticles: preparation and applications. Colloids and Surfaces B: Biointerfaces, 2022, 218, 112737.	5.0	39
37114	Microstructure graphitization evolution and multi-scale, multi-mechanism synergistic enhancement of ultra-high strength carbon-graphite materials. Diamond and Related Materials, 2022, 128, 109271.	3.9	1
37115	Static analysis and boundary effect of FG-CNTRC cylindrical shells with various boundary conditions using quasi-3D shear and normal deformations theory. Structures, 2022, 44, 828-850.	3.6	15
37116	Preparation of carbon nanotube/SiO ₂ composite films and their tensile properties in harsh wet environments. Carbon, 2022, 200, 116-123.	10.3	4
37117	Structural modification induced in FMWCNTs/SnO ₂ nanocomposite films by gamma exposure. Radiation Physics and Chemistry, 2022, 201, 110465.	2.8	2

#	ARTICLE	IF	CITATIONS
37118	Ensemble super learner based genotoxicity prediction of multi-walled carbon nanotubes. Computational Toxicology, 2022, 24, 100244.	3.3	2
37119	Natural frequency analysis of imperfect GNPRN conical shell, cylindrical shell, and annular plate structures resting on Winkler-Pasternak Foundations under arbitrary boundary conditions. Engineering Analysis With Boundary Elements, 2022, 144, 145-164.	3.7	37
37120	Functionally graded carbon nanotubes reinforced composite structures: An extensive review. Composite Structures, 2022, 299, 116075.	5.8	24
37121	Dewetting assisted self-assembly of carbon nanotube into circular nanorings. Chemical Engineering Science, 2022, 261, 117961.	3.8	2
37122	Catalyst-free growth of single- to few-layered graphene and carbon nanotubes on an ionic liquid surface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 653, 130025.	4.7	1
37123	Image processing with high-speed and low-energy approximate arithmetic circuit. Sustainable Computing: Informatics and Systems, 2022, 36, 100785.	2.2	1
37124	Recent advances in two-dimensional graphdiyne for nanophotonic applications. Chemical Engineering Journal, 2022, 450, 138228.	12.7	35
37125	Electrorheological fluids: from historical retrospective to recent trends. Materials Today Chemistry, 2022, 26, 101066.	3.5	14
37126	Solvothermal synthesis and applications of micro/nano carbons: A review. Chemical Engineering Journal, 2023, 451, 138572.	12.7	41
37127	Flexible solar and thermal energy conversion devices: Organic photovoltaics (OPVs), organic thermoelectric generators (OTEGs) and hybrid PV-TEG systems. Applied Materials Today, 2022, 29, 101614.	4.3	16
37129	Wear behavior of Aluminium 6061 alloy reinforced with coated/uncoated multiwalled carbon nanotube and graphene. , 2021, 31, .		2
37131	Optical absorption engineering in dispersive band structure of MWCNTs array: design and optimization of total absorber for NIR to MIR regime. Optoelectronics Letters, 2022, 18, 513-518.	0.8	0
37132	Design ofÂgraphene and nanotubes from aromatic compounds: a theoretical study. Journal of Molecular Modeling, 2022, 28, .	1.8	0
37133	Porous 3D carbon-based materials: An emerging platform for efficient hydrogen production. Nano Research, 2023, 16, 127-145.	10.4	20
37134	Electrical performance prediction of graphdiyne-C60 nanocomposite. MRS Communications, 0, , .	1.8	0
37135	The Proteolytic Landscape of Ovarian Cancer: Applications in Nanomedicine. International Journal of Molecular Sciences, 2022, 23, 9981.	4.1	2
37136	Research on Modified Carbon Nanotubes in Wastewater Treatment. Catalysts, 2022, 12, 1103.	3.5	7
37137	Novel Rubber Composites Based on Copper Particles, Multi-Wall Carbon Nanotubes and Their Hybrid for Stretchable Devices. Polymers, 2022, 14, 3744.	4.5	3

#	ARTICLE	IF	CITATIONS
37138	Functionally graded porous plate reinforced by carbon nanotubes subjected to low-velocity impact: an analytical and numerical analysis. <i>Pigment and Resin Technology</i> , 2024, 53, 226-239.	0.9	0
37139	Machine Learning for Property Prediction and Optimization of Polymeric Nanocomposites: A State-of-the-Art. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10712.	4.1	15
37140	Nanocarbon-based electrode materials applied for supercapacitors. <i>Rare Metals</i> , 2022, 41, 3957-3975.	7.1	31
37141	Fabricating one-dimensional van der Waals heterostructures on chirality-sorted single-walled carbon nanotubes. <i>Carbon</i> , 2022, 199, 407-414.	10.3	2
37142	Economical and efficient dye sensitized solar cells using single wall carbon nanotube-titanium dioxide nanocomposites as photoanode and SWCNT as Pt-free counter electrode. <i>Solar Energy</i> , 2022, 245, 37-45.	6.1	4
37143	Mechanical properties of phenine nanotubes. <i>Extreme Mechanics Letters</i> , 2022, 56, 101893.	4.1	3
37144	A molecular dynamics simulation study on enhancement of thermal conductivity of bitumen by introduction of carbon nanotubes. <i>Construction and Building Materials</i> , 2022, 353, 129166.	7.2	3
37145	Recent advances in graphdiyne materials for biomedical applications. <i>Nano Today</i> , 2022, 46, 101616.	11.9	6
37146	Nitrogen doping effects on the physical and chemical properties of bilayer graphdiyne: A density functional theory approach. <i>Applied Surface Science Advances</i> , 2022, 11, 100301.	6.8	1
37147	Orthorhombic C32: A topological semimetal with nodal ring. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 451, 128397.	2.1	0
37148	MD analysis of heat transfer of carbon nanotube flow on nanopumping process to improve the hydrodynamic and thermal performances. <i>Engineering Analysis With Boundary Elements</i> , 2022, 144, 507-517.	3.7	2
37149	Electrochemical DNA sensors for drug determination. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 221, 115058.	2.8	6
37150	Solvent-induced crack growth in poly(methyl methacrylate)/multiwalled carbon nanotube composites. <i>Materials Chemistry and Physics</i> , 2022, 291, 126717.	4.0	0
37151	Knowledge contribution from science to technology in the lithium-ion battery domain based on a genetic model. <i>Journal of Energy Storage</i> , 2022, 55, 105671.	8.1	6
37152	Spectroscopic studies of 5-fluoro-1H-pyrimidine-2,4-dione adsorption on nanorings, solvent effects and SERS analysis. <i>Computational and Theoretical Chemistry</i> , 2022, 1217, 113873.	2.5	2
37153	Synthesis and stockpile of polyynes in paraffin as well as extraction for preparing single-walled carbon nanowires (LLCCs@SWCNTs). <i>Chemical Physics</i> , 2022, 563, 111688.	1.9	0
37154	Artificial synapses enabled neuromorphic computing: From blueprints to reality. <i>Nano Energy</i> , 2022, 103, 107744.	16.0	20
37155	Mineralize complex organic contaminants using only oxygen on dense copper atoms embedded in the walls of carbon nanotubes. <i>Applied Surface Science</i> , 2022, 605, 154760.	6.1	1

#	ARTICLE	IF	CITATIONS
37156	Recent advances in the electrochemical sensing of lung cancer biomarkers. Biosensors and Bioelectronics: X, 2022, 12, 100235.	1.7	1
37157	Nanoscale advanced carbons as an anode for lithium-ion battery. Materials Today Advances, 2022, 16, 100290.	5.2	7
37158	Vibration of laminated functionally graded nanocomposite structures considering the transverse shear stresses and rotary inertia. Composite Structures, 2022, 301, 116209.	5.8	12
37159	B C N diamondol-like compounds: Stability trends and electronic properties. Computational Materials Science, 2022, 215, 111737.	3.0	2
37160	Investigation on the effect of neodymium ion doping in TiO ₂ on the photovoltaic performance of dye-sensitized solar cells. Materials Chemistry and Physics, 2022, 292, 126785.	4.0	5
37161	The utilization of carbon-based nanomaterials in bone tissue regeneration and engineering: Respective featured applications and future prospects. Medicine in Novel Technology and Devices, 2022, 16, 100168.	1.6	15
37162	A review on carbon-based molecularly-imprinted polymers (CBMIP) for detection of hazardous pollutants in aqueous solutions. Chemosphere, 2022, 308, 136471.	8.2	43
37163	Remarkable enhancement in CNT fiber synthesis by reducing convection vortex in floating catalyst chemical vapour deposition. Chemical Engineering Journal, 2023, 452, 139142.	12.7	6
37164	Investigation of the substitutedâ€”titanium nanocages using computational chemistry. Journal of Molecular Graphics and Modelling, 2023, 118, 108317.	2.4	4
37165	Nanotubes tethered laccase biosensor for sensing of chlorophenol substances. , 2023, , 331-356.		0
37166	The adsorption and reduction of anionic Cr(VI) in groundwater by novel iron carbide loaded on N-doped carbon nanotubes: Effects of Fe-confinement. Chemical Engineering Journal, 2023, 452, 139357.	12.7	17
37167	Sensing of phenol and chlorophenols using carbon nanotubes modified glassy carbon electrode. , 2023, , 297-329.		0
37168	Nano-sorbents: A promising alternative for the remediation of noxious pollutants. , 2022, , 113-128.		0
37169	Trends on Carbon Nanotube-Based Flexible and Wearable Sensors via Electrochemical and Mechanical Stimuli: A Review. IEEE Sensors Journal, 2022, 22, 20102-20125.	4.7	8
37170	Printable Inorganic Materials for Printed Electronics. , 2022, , 103-192.		0
37172	Carbon nanomaterials in controlled and targeted drug delivery. , 2022, , 53-78.		0
37173	Study on the Regulation of Alkali-earth Metal Be _n (<i>n</i>=1–3) on the Structure of B ₁₂ Clusters. Acta Chimica Sinica, 2022, 80, 888.	1.4	1
37174	Graphenylene-Like Structures as a New Class of Multifunctional Materials Alternatives to Graphene. Engineering Materials, 2022, , 209-230.	0.6	1

#	ARTICLE	IF	CITATIONS
37175	Connecting Fullerenes with Carbon Nanotubes and Graphene. , 2022, , 265-270.		0
37176	Design of smart cementitious composites based on multi-walled carbon nanotubes (MWCNTs) using probe ultrasonicator for dispersion. MATEC Web of Conferences, 2022, 364, 05012.	0.2	1
37177	Size-dependent nonlinear vibration analysis of nanobeam embedded in multi-layer elastic media and subjected to electromechanical and thermomagnetic loadings. Curved and Layered Structures, 2022, 9, 403-424.	1.3	1
37178	Field Emission from Carbon Nanotube Systems: Material Properties to Device Applications. , 2022, , 1-34.		0
37179	Nanotechnological Applications in the Diagnosis and Treatment of Alzheimer's Dementia. , 2022, , 577-616.		0
37180	Various defects in graphene: a review. RSC Advances, 2022, 12, 21520-21547.	3.6	65
37181	Synthesis of nanomaterials using top-down methods. , 2022, , 37-60.		0
37182	Superhydrophobic and Low Reflectance Carbon Nanotubes Buckypapers. Materials Research, 2022, 25, .	1.3	1
37183	Multifunctional materials and nanocomposite sensors for civil infrastructure monitoring. , 2022, , 497-553.		0
37184	Synthetic carbon nanomaterials for electrochemical energy conversion. Nanoscale, 2022, 14, 13473-13489.	5.6	6
37185	Development and synthesis of nanoparticles and nanoadsorbents. Interface Science and Technology, 2022, , 127-165.	3.3	1
37186	Reversible synthesis of structured MOF-to-metal oxide nanorods. CrystEngComm, 2022, 24, 6309-6314.	2.6	0
37187	Carbon Nanotubes Reinforced Polymeric Hybrid Materials for Water Purification. Composites Science and Technology, 2022, , 197-223.	0.6	0
37188	Sustainable Nanotorus for Biosensing and Therapeutical Applications. , 2022, , 1-21.		2
37189	Organic-Inorganic Nanohybrids in Flexible Electronic Devices. Materials Horizons, 2022, , 385-404.	0.6	0
37190	Recent progress in one dimensional TiO ₂ nanomaterials as photoanodes in dye-sensitized solar cells. Nanoscale Advances, 2022, 4, 5202-5232.	4.6	3
37191	Parameters Involved in CVD Growth of CNT: A Review. Springer Proceedings in Materials, 2022, , 185-198.	0.3	2
37192	Titanate nanoribbon-based nanobiohybrid for potential applications in regenerative medicine. RSC Advances, 2022, 12, 26875-26881.	3.6	1

#	ARTICLE	IF	CITATIONS
37193	Carbon nanostructures and 2D transition metal dichalcogenides. , 2022, , 537-556.		2
37194	Modulation of electronic bandgaps and subsequent implications on SQ efficiencies <i>via</i> strain engineering in ultrathin SnX (X = S, Se) nanowires. Journal of Materials Chemistry C, 0, , .	5.5	0
37195	Recent advances in novel graphene: new horizons in renewable energy storage technologies. Journal of Materials Chemistry C, 2022, 10, 11472-11531.	5.5	18
37196	History of Carbon Nanotubes. , 2022, , 1-22.		0
37197	Comparative study of vertex-edge based indices for semi-capped carbon nanotubes. Mathematical Biosciences and Engineering, 2022, 19, 12303-12315.	1.9	2
37198	Physical Characterization and Material Properties of Epoxy Matrix Nanocomposites Containing Functionalized Single-Walled Carbon Nanotubes. SSRN Electronic Journal, 0, , .	0.4	0
37199	Advanced Carbon-Based Gas Sensors. , 2022, , 139-159.		1
37200	A predicted orthogonal semimetallic carbon with negative thermal expansion and compressibility. Physical Chemistry Chemical Physics, 2022, 24, 23497-23506.	2.8	2
37201	Tunable Nanoscale Heterogeneity in Ni Matrix Using Carbon Nanotubes for Strong and Ductile Composites. SSRN Electronic Journal, 0, , .	0.4	0
37202	Introduction to carbon nanotubes and nanoribbons. , 2022, , 231-251.		0
37203	Mechanical properties of nanotubes. , 2022, , 445-480.		1
37204	Research of the Carbon Nanotube Cementitious Sensor Based on Pore Conductivity Model. SSRN Electronic Journal, 0, , .	0.4	0
37205	Effective dispersion of oxidized multi-walled carbon nanotubes using a water-soluble <i>N,O</i> -carboxymethyl chitosan <i>via</i> non-covalent interaction. RSC Advances, 2022, 12, 23754-23761.	3.6	0
37206	Capturing nonclassical C ₇₀ with double heptagons in low-pressure combustion. Chemical Communications, 2022, 58, 9814-9817.	4.1	2
37207	Advanced Carbon Nanomaterials as Adsorbents. Advances in Material Research and Technology, 2022, , 127-153.	0.6	0
37208	Gas-template directed <i>in situ</i> synthesis of highly nitrogen-doped carbon nanotubes with superior sulfur compatibility and enhanced functionalities. Chemical Communications, 2022, 58, 9290-9293.	4.1	6
37209	Carbon Nanotubes Assisted Fly Ash for Cement Reduction on the Premise of Ensuring the Stability of the Grouting Materials. SSRN Electronic Journal, 0, , .	0.4	0
37210	Informing Coral Reef Conservation Through Metabolomic Approaches. Coral Reefs of the World, 2022, , 179-202.	0.7	2

#	ARTICLE	IF	CITATIONS
37211	Amorphous Carbon Nanotubes-Molybdenum Disulphide: A Potential Material for Energy Storage. SSRN Electronic Journal, 0, , .	0.4	0
37212	NUMERICAL SIMULATION OF ENTROPY GENERATION ANALYSIS OF MHD HYBRID-NANOFLUID FLOW WITH NONLINEAR THERMAL RADIATION AND MELTING HEAT TRANSFER. Special Topics and Reviews in Porous Media, 2022, 13, 1-15.	1.1	1
37213	Carbon Nanoparticles as the Next-Generation Antimicrobial Agents. , 2022, , 355-377.		0
37214	Computational and Theoretical Study of B-Doped Achiral Single-Walled Carbon Nanotube: A Nonresonant Polarized Raman Analysis. SSRN Electronic Journal, 0, , .	0.4	0
37215	Carbon nanotubes and graphene nanomaterials for biomedical applications. , 2022, , 215-226.		0
37216	A nanosecond pulsed laser-ablated MWCNT-Au heterostructure: an innovative ultra-sensitive electrochemical sensing prototype for the identification of glutathione. Analyst, The, 2022, 147, 3894-3907.	3.5	4
37217	Green Synthesis of Carbon Nanomaterials. , 2022, , 1-18.		0
37218	Properties of nanoadsorbents and adsorption mechanisms. Interface Science and Technology, 2022, , 233-263.	3.3	1
37219	Applications of nanotubes in preparation of polymer composite materials. , 2022, , 557-578.		0
37220	Morphology and topography of nanotubes. , 2022, , 355-420.		0
37221	Functionalized nanotubes. , 2022, , 421-444.		1
37222	Carbon nanostructures containing boron impurity atoms: synthesis, physicochemical properties and potential applications. Izvestiya Vysshikh Uchebnykh Zavedenii Materialy Elektronnoi Tekhniki = Materials of Electronics Engineering, 2022, 25, 64-91.	0.2	1
37223	Potential Applications of Carbon Nanotubes for Environmental Protection. , 2022, , 194-212.		0
37224	Carbon Nanotubes in Water Treatment. , 2022, , 171-184.		2
37225	Innovative low-cost, cold-walled CVD process development and CNT production by ethanol decomposition on iron-nanoparticles. Surface Engineering, 2022, 38, 472-481.	2.2	2
37226	A novel platform based on MnO ₂ nanoparticles and carboxylated multi-walled carbon nanotubes composite for accurate and rapid determination of curcumin in commercial food products. Journal of Food Composition and Analysis, 2023, 115, 104940.	3.9	5
37227	nTiO ₂ cluster (n=3) modified GaNNT: A potential candidate for online monitoring for oil-immersed transformers. Applied Surface Science, 2023, 607, 154811.	6.1	7
37228	Synthesis and Characterization of MWCNT-COOH/Fe ₃ O ₄ and CNT-COOH/Fe ₃ O ₄ /NiO Nanocomposites: Assessment of Adsorption and Photocatalytic Performance. Nanomaterials, 2022, 12, 3008.	4.1	7

#	ARTICLE	IF	CITATIONS
37229	Carbon Nanotube Based Nanomaterials for Solar Energy Storage Devices. Current and Future Developments in Nanomaterials and Carbon Nanotubes, 2022, , 1-18.	0.3	2
37230	A Novel Terahertz Metasurface of Electromagnetically Induced Transparency Based on Carbon Nanotube Films. , 2022, , .		0
37232	Recent Advances on Carbon Nanostructure-Based Biosensors. Current and Future Developments in Nanomaterials and Carbon Nanotubes, 2022, , 19-38.	0.3	1
37233	Structured sonic tube with carbon nanotube-like topological edge states. Nature Communications, 2022, 13, .	12.8	4
37234	Carbon Nano-Onions: Synthesis, Properties and Electrochemical Applications. Current and Future Developments in Nanomaterials and Carbon Nanotubes, 2022, , 39-60.	0.3	0
37235	Advanced Carbon-Based Polymeric Nanocomposites for Forensic Analysis. Polymers, 2022, 14, 3598.	4.5	5
37236	Supramolecular Substructure of C ₆₀ -Embedded Schwarzite. Journal of the American Chemical Society, 2022, 144, 16282-16286.	13.7	14
37237	Lubrication Mechanisms of a Nanocutting Fluid with Carbon Nanotubes and Sulfurized Isobutylene (CNTs@T321) Composites as Additives. Lubricants, 2022, 10, 189.	2.9	4
37238	Evaluating the performance of ReaxFF potentials for sp ² carbon systems (graphene, carbon nanotubes,) Tj ETQq0 0.0 rgBT /Qverlock 10	3.6	8
37239	Metal Carbide-Based Cocatalysts for Photocatalytic Solar-Fuel Conversion. Small Structures, 2022, 3, .	12.0	17
37240	PMMA-Based Nanocomposites for Odontology Applications: A State-of-the-Art. International Journal of Molecular Sciences, 2022, 23, 10288.	4.1	22
37241	Review-Heteroatom-Doped High Porous Carbon Metal Free Nanomaterials for Energy Storage and Conversion. ECS Journal of Solid State Science and Technology, 2022, 11, 091006.	1.8	1
37242	Aspects of Homogeneous Heterogeneous Reactions for Nanofluid Flow Over a Riga Surface in the Presence of Viscous Dissipation. Energies, 2022, 15, 6891.	3.1	3
37243	Nonlinear analysis of sandwich plate with FG porous core and RD-CNTCFRC face sheets under transverse patch loading. Acta Mechanica, 0, , .	2.1	1
37244	Temperature Dependent Analysis of Mixed CNT Bundle Interconnecting using Active Shielding Technique. ECS Journal of Solid State Science and Technology, 2022, 11, 091013.	1.8	0
37245	Encapsulation of CNT Films on Silicon Wafer by DLC Synthesized by PECVD for Application as a Thermal Interface Material. Lecture Notes in Mechanical Engineering, 2023, , 95-106.	0.4	0
37246	Remarkable Electrothermal Behaviors and Performance Stability of Carbon Nanotube Films Densifying with Various Methods. Journal of Nano Research, 0, 75, 121-138.	0.8	0
37247	Mechanical response of polymer/BN composites investigated by molecular dynamics method. Journal of Materials Research, 2022, 37, 4533-4543.	2.6	3

#	ARTICLE	IF	CITATIONS
37248	Light to heat conversion efficiency of single-walled carbon nanotubes. Journal of Taibah University for Science, 2022, 16, 923-932.	2.5	5
37249	Effect of the structure and properties for carbon graphite materials with oleic acid modified multi-walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2022, 128, .	2.3	0
37250	CNT Gels Formed by a Triptycene Analogue Enabling Coexistence of CNT-gelator and Intergelator Interactions. Chemistry Letters, 2022, 51, 1070-1073.	1.3	0
37251	Catalytic Growth of Carbon Nanowires on Thin SS-410 Sheet by CVD Method and Its Adsorption Behavior Toward Copper Ions. Arabian Journal for Science and Engineering, 2023, 48, 7349-7358.	3.0	4
37252	Emerging low-dimensional materials for nanoelectromechanical systems resonators. Materials Research Letters, 2023, 11, 21-52.	8.7	6
37254	Nanotubes: Carbon-Based Fibers and Bacterial Nano-Conduits Both Arousing a Global Interest and Conflicting Opinions. Fibers, 2022, 10, 75.	4.0	0
37255	P212121-C16: An ultrawide bandgap and ultrahard carbon allotrope with the bandgap larger than diamond. Frontiers of Physics, 2022, 17, .	5.0	6
37256	A Finite Element Solution for Bending Analysis of a Nanoframe using Modified Couple Stress Theory. International Journal of Engineering and Applied Sciences, 2022, 14, 1-14.	0.1	0
37257	Research Progress of Nanomaterials-Based Sensors for Food Safety. Journal of Analysis and Testing, 2022, 6, 431-440.	5.1	10
37258	Enhanced the electrochemical performance and stability of supercapattery device with carbon nanotube/cobalt-manganese sulfide-based composite electrode material. International Journal of Energy Research, 2022, 46, 24355-24367.	4.5	26
37259	Effect of multi-walled carbon nanotubes on rheological behavior and electrical conductivity of poly(ethylene-co-vinyl acetate)/acrylonitrile-butadiene rubber/multi-walled carbon nanotubes nanocomposites. Polymer Composites, 2022, 43, 8877-8889.	4.6	1
37260	Voltammetry of Carbon Nanotubes and the Limitations of Particle-Modified Electrodes: Are Carbon Nanotubes Electrocatalytic?. Journal of Physical Chemistry Letters, 2022, 13, 8699-8710.	4.6	6
37261	Classical, Coarse-Grained, and Reactive Molecular Dynamics Simulations on Polymer Nanocomposites. Multiscale Science and Engineering, 2022, 4, 161-178.	1.7	8
37262	One-Dimensional Assemblies of Co ₃ O ₄ Nanoparticles Formed from Cobalt Hydroxide Carbonate Prepared by Bio-Inspired Precipitation within Confined Space. Crystal Growth and Design, 2022, 22, 5883-5894.	3.0	1
37263	Recent Advances in the Development of Flexible Sensors: Mechanisms, Materials, Performance Optimization, and Applications. Journal of Electronic Materials, 2022, 51, 6735-6769.	2.2	11
37264	Estimation and Modification of Electrical Parameters of Organic Device in the Presence of Single Walled Carbon Nanotubes. , 0, , .		0
37265	Theoretical mechanical properties of strands and cables made of wound carbon nanotube fibers. International Journal of Mechanical Sciences, 2022, 236, 107706.	6.7	7
37266	Carbon Nanotube and Its Derived Nanomaterials Based High Performance Biosensing Platform. Biosensors, 2022, 12, 731.	4.7	18

#	ARTICLE	IF	CITATIONS
37267	Role of Mechanical van der Waals Coupling in the G <i>i</i> -</i>Band Splitting of Individual Multiwall Carbon Nanotubes. Journal of Physical Chemistry C, 2022, 126, 15759-15767.	3.1	1
37268	Trends in Aluminium Matrix Composite Development. Crystals, 2022, 12, 1357.	2.2	19
37269	Topological and quantum stability of low-dimensional crystalline lattices with multiple nonequivalent sublattices*. New Journal of Physics, 2022, 24, 103015.	2.9	8
37270	Modeling of carbon nanotubes (CNTs) and usage in drug delivery. Technium BioChemMed, 2022, 3, 66-74.	0.3	0
37271	Prediction of thermal and energy transport of MHD Sutterby hybrid nanofluid flow with activation energy using Group Method of Data Handling (GMDH). Computational and Applied Mathematics, 2022, 41, .	2.2	3
37272	Performance comparison of copper and carbon nano fibre braiding in cable data transfer application. Materials Today: Proceedings, 2023, 72, 3012-3016.	1.8	0
37273	Critical Buckling Load of SiCNTs: A Molecular Dynamics Study on Gas Sensing. International Journal of Engineering and Applied Sciences, 2022, 14, 40-52.	0.1	1
37274	Sensors Based on the Carbon Nanotube Field-Effect Transistors for Chemical and Biological Analyses. Biosensors, 2022, 12, 776.	4.7	11
37275	Functionalized Carbon-Based Electrochemical Sensors for Food and Alcoholic Beverage Safety. Applied Sciences (Switzerland), 2022, 12, 9082.	2.5	13
37276	Carbon and Carbon/Metal Hybrid Structures Enabled by Ultrafast Heating Methods. Small Structures, 2022, 3, .	12.0	5
37277	Fabrication of Copper Matrix Composites Reinforced with Carbon Nanotubes Using an Innovational Self-Reduction Molecular-Level-Mixing Method. Materials, 2022, 15, 6488.	2.9	4
37278	Single-step synthesis of graphene nanosheets-carbon nanotubes hybrid structure by chemical vapor deposition of methane using Fe-Mo-MgO catalysts. Fullerenes Nanotubes and Carbon Nanostructures, 2023, 31, 109-119.	2.1	1
37279	Electrical magnetohydrodynamic flow of kerosene oil based carbon nanotube's Maxwell nanofluid in the presence of non-linear radiation and Cattaneo-Christov heat diffusion: Applications in aerospace industry. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 2023, 237, 1670-1678.	2.5	0
37280	The incompressible limit method and Rayleigh waves in incompressible layered nonlocal orthotropic elastic media. Acta Mechanica, 2023, 234, 403-421.	2.1	3
37281	Thermal Stability and Melting Mechanism of Diamond Nanothreads: Insight from Molecular Dynamics Simulation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, , 130248.	4.7	0
37282	Emerging Carbon Nanotube-Based Nanomaterials for Stable and Dendrite-Free Alkali Metal Anodes: Challenges, Strategies, and Perspectives. Energy and Environmental Materials, 2023, 6, .	12.8	4
37283	Entropy Analysis in MHD CNTS Flow Due to a Stretching Surface with Thermal Radiation and Heat Source/Sink. Mathematics, 2022, 10, 3404.	2.2	8
37284	Nanomechanical Resonators: Toward Atomic Scale. ACS Nano, 2022, 16, 15545-15585.	14.6	55

#	ARTICLE	IF	CITATIONS
37285	Carbon Nanomaterials in Electrochemical Biodevices. , 2023, , 85-112.		0
37286	Generation of the second harmonic during propagation of an extremely short optical pulse in a medium with chiral carbon nanotubes. International Journal of Modern Physics B, 2023, 37, .	2.0	1
37287	Numerical Computation of Hybrid Carbon Nanotubes Flow over a Stretching/Shrinking Vertical Cylinder in Presence of Thermal Radiation and Hydromagnetic. Mathematics, 2022, 10, 3551.	2.2	6
37288	Preparation of carbon nanotubes with high filling rate of copper nanoparticles. Microporous and Mesoporous Materials, 2022, 344, 112231.	4.4	2
37289	Synthesis and optoelectrical properties of chemically unzipped carbon nanotubes by modified Hummers's™ method. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-10.	2.1	0
37290	Interdependent effects of surface and flexoelectricity on the electromechanical behavior of BNRC nanoplate. Mechanics of Materials, 2022, 175, 104483.	3.2	10
37291	Longitudinal weak and strong localized modes in single-wall carbon nanotube. European Physical Journal Plus, 2022, 137, .	2.6	1
37292	Mechanical properties and microcosmic mechanism of multi-walled carbon nanotubes reinforced ultra-high strength concrete. Fullerenes Nanotubes and Carbon Nanostructures, 2023, 31, 157-167.	2.1	3
37293	Reasonable BN nanotubes composed of B–B and N–N bonds: A theoretical prediction. Applied Surface Science, 2023, 608, 155156.	6.1	3
37294	Influence of third-order elastic modulus as material nonlinearity on free and forced vibration of a nonlocal nanobeam rested on viscoelastic medium. Waves in Random and Complex Media, 0, , 1-21.	2.7	0
37295	Ultrafast growth of carbon nanotubes using microwave irradiation: characterization and its potential applications. Heliyon, 2022, 8, e10943.	3.2	11
37296	Fabrication and Functionalisation of Nanocarbon-Based Field-Effect Transistor Biosensors. ChemBioChem, 2022, 23, .	2.6	9
37297	Nanomaterials for Controlled Adjustment of the Parameters of Electrochemical Biosensors and Biofuel Cells. Biology Bulletin, 2022, 49, 400-417.	0.5	0
37298	Electrochemical response of carbon paste electrodes modified with carbon nanotubes: Effects of temperature of nitrogen doping and oxygen functionalization. Diamond and Related Materials, 2022, 130, 109415.	3.9	1
37299	The emerging role of biochar in the carbon materials family for hydrogen production. Chemical Engineering Research and Design, 2022, 188, 209-228.	5.6	10
37300	Co-operation of electrochemistry and chemometrics to develop a novel electrochemical aptasensor based on generation of first- and second-order data for selective and sensitive determination of the prostate specific antigen biomarker. Microchemical Journal, 2022, 183, 108026.	4.5	4
37301	The influence of various nanofiller materials (CNTs, GNPs, and GOPs) on the natural frequencies of Nanocomposite Cylindrical Shells: A comparative study. Materials Today Communications, 2022, 33, 104547.	1.9	15
37302	Interface induced transition from Schottky-to-Ohmic contacts in single-walled carbon nanotube-based van der Waals Schottky heterostructures. Materials Today Nano, 2022, 20, 100267.	4.6	0

#	ARTICLE	IF	CITATIONS
37304	Current Existing Techniques for Environmental Monitoring. , 2022, , 239-262.		1
37305	Recent major advances and challenges in the emerging graphene-based nanomaterials in electrocatalytic fuel cell technology. Journal of Materials Chemistry C, 2022, 10, 17812-17873.	5.5	3
37306	Study adsorption ability of pure single walled carbon nano tube to detection some toxic gases using DFT calculation. AIP Conference Proceedings, 2022, , .	0.4	0
37307	Nanobiosensors and Industrial Wastewater Treatments. , 2022, , 339-361.		1
37308	Mechanical and thermal properties of carbon nanotubes in carbon nanotube fibers under tensionâ€”torsion loading. RSC Advances, 2022, 12, 30085-30093.	3.6	5
37309	Rare-earth based tetrapyrrolic sandwiches: chemistry, materials and applications. Chemical Society Reviews, 2022, 51, 9262-9339.	38.1	27
37310	Carbon-Based Nanomaterials for Targeted Drug and Gene Delivery Systems. Nanotechnology in the Life Sciences, 2022, , 455-488.	0.6	1
37311	Annealing temperature effect on structural properties of tin oxide nanoparticles. , 0, , 39-46.		6
37312	Structural properties of chalcogenides nanostructures. , 0, , 13-19.		0
37313	Is Pbam-32 thermodynamic stable comparing with diamond and graphite under variable P-T conditions?. Physical Chemistry Chemical Physics, 0, , .	2.8	0
37314	Synthesis and Biological Use of Nanomaterials. Topics in Applied Physics, 2022, , 793-858.	0.8	0
37315	Prediction of the electronic structure of single-walled GeS nanotubes. RSC Advances, 2022, 12, 29291-29299.	3.6	1
37316	Utilization of Nanobiosensors for Wastewater Management. , 2022, , 75-91.		0
37317	Engineered Materials for Probing and Perturbing Brain Chemistry. , 2022, , 89-168.		1
37318	Advances of Semiconductor Gas Sensing Materials, Structures, and Algorithms for Breath Analysis. Bioanalytical Reviews, 2022, , .	0.2	1
37319	Dispersion Stability of MWCNTs Decorated with Ag Nanoparticles through Pulse-Reversed Current Electrodeposition Using a Deep Eutectic Solvent. , 0, , .		0
37320	Use of Nano composites in industries. Brilliance, 2022, 2, 125-133.	0.3	0
37321	Carbon Nanotube (CNT) Composites and its Application; A Review. Brilliance, 2022, 2, 134-144.	0.3	2

#	ARTICLE	IF	CITATIONS
37322	A Comprehensive Review of the Recent Developments in Wearable Sweat-Sensing Devices. <i>Sensors</i> , 2022, 22, 7670.	3.8	12
37323	Comparative Performance Study of Difference Differential Amplifier Using 7â€‰nm and 14â€‰nm FinFET Technologies and Carbon Nanotube FET. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-15.	2.7	2
37324	Amino functionalization of magnetic multiwalled carbon nanotubes with flexible hydrophobic spacer for immobilization of <i>Candida rugosa</i> lipase and application in biocatalytic production of fruit flavour esters ethyl butyrate and butyl butyrate. <i>Applied Nanoscience (Switzerland)</i> , 2023, 13, 4291-4311.	3.1	2
37325	Application of Surface Modified Carbon Nanotubes in Energy. <i>ACS Symposium Series</i> , 0, , 101-119.	0.5	1
37326	Surface Modified Carbon Nanotubes for Bone Tissue Engineering. <i>ACS Symposium Series</i> , 0, , 1-17.	0.5	2
37327	Application of Surface Modified Carbon Nanotubes Combined with Deep Eutectic Solvents in Analytical Chemistry. <i>ACS Symposium Series</i> , 0, , 195-217.	0.5	0
37328	Can Linear Conjugated Polymers Form Stable Helical Structures on the Carbon Nanotubes?. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 49189-49198.	8.0	4
37329	Controllable Preparation of Cu NPs/CNTs@PANI Composites as Electrode Materials for Electrochemical Double-Layer Capacitors. <i>Energy & Fuels</i> , 2022, 36, 13382-13389.	5.1	0
37330	Interfacial Strengthening and Self-Monitoring in Carbon Fiber-Reinforced Composites via Carbon Nanotube-Based Damage Sensors. <i>Nanomaterials</i> , 2022, 12, 3717.	4.1	5
37331	Research on Characterization Technology and Field Test of Biological Nano-oil Displacement in Offshore Medium- and Low-Permeability Reservoirs. <i>ACS Omega</i> , 2022, 7, 40132-40144.	3.5	3
37332	The Relevant Approaches for Aligning Carbon Nanotubes. <i>Micromachines</i> , 2022, 13, 1863.	2.9	4
37333	Phenine design for nanocarbon molecules. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , 2022, 98, 379-400.	3.8	6
37334	Carbon Nanotube Reinforced Natural Rubber Nanocomposite as a Stretchable Electronic Material. <i>Journal of Materials Engineering and Performance</i> , 0, , .	2.5	3
37335	QHOD-Net: A New Highly Metallic Two-Dimensional Carbon Allotrope Material. <i>Transactions of the Indian Institute of Metals</i> , 0, , .	1.5	0
37336	Compensation temperature and dynamic magnetic properties in the double-layer structure of graphyne-like. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 564, 170122.	2.3	5
37337	Atomic and electronic structures of nitrogen vacancies in silicon nitride: Emergence of floating gap states. <i>Physical Review B</i> , 2022, 106, .	3.2	3
37338	On wave propagation of functionally graded CNT strengthened fluid-conveying pipe in thermal environment. <i>European Physical Journal Plus</i> , 2022, 137, .	2.6	4
37339	Strength Evaluation of Functionalized MWCNT-Reinforced Polymer Nanocomposites Synthesized Using a 3D Mixing Approach. <i>Materials</i> , 2022, 15, 7263.	2.9	15

#	ARTICLE	IF	CITATIONS
37340	High-Efficiency Ion Enrichment inside Ultra-Short Carbon Nanotubes. <i>Nanomaterials</i> , 2022, 12, 3528.	4.1	3
37341	Surface Modified Carbon Nanotubes in Food Packaging. <i>ACS Symposium Series</i> , 0, , 199-233.	0.5	0
37342	Surface-Modified Carbon Nanotubes for Hydrogen Storage. <i>ACS Symposium Series</i> , 0, , 151-173.	0.5	0
37343	Rapid Analysis of Residues of 186 Pesticides in Hawk Tea Using Modified QuEChERS Coupled with Gas Chromatography Tandem Mass Spectrometry. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12639.	2.6	2
37344	High temperature laser assisted synthesis of boron nanorods, nanowires and bamboo-like nanotubes.. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , .	1.8	1
37345	EMS-induced cellular DNA damage detection by electrochemical method: A new biomarker of early DNA damage. <i>Talanta</i> , 2023, 253, 124049.	5.5	2
37346	Whether Carbon Nanotubes Are Capable, Promising, and Safe for Their Application in Nervous System Regeneration. Some Critical Remarks and Research Strategies. <i>Coatings</i> , 2022, 12, 1643.	2.6	5
37347	Properties and Application of Surface Modified Carbon Nanotubes. <i>ACS Symposium Series</i> , 0, , 91-109.	0.5	0
37348	Analytical determination of non-local parameter value to investigate the axial buckling of nanoshells affected by the passing nanofluids and their velocities considering various modified cylindrical shell theories. <i>Chinese Physics B</i> , 0, , .	1.4	2
37349	The Entire Zagreb index is based on H - Naphtalenic nanotubes. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	0
37350	Optimization of ssDNA-SWCNT Ultracentrifugation via Efficacy Measurements. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 101009.	1.8	1
37351	Adsorption of Peptides onto Carbon Nanotubes Grafted with Poly(ethylene Oxide) Chains: A Molecular Dynamics Simulation Study. <i>Nanomaterials</i> , 2022, 12, 3795.	4.1	0
37352	Carboxylated Carbon Nanotube/Polyimide Films with Low Thermal Expansion Coefficient and Excellent Mechanical Properties. <i>Polymers</i> , 2022, 14, 4565.	4.5	3
37353	Nanomechanics and Plasticity. <i>Nanomaterials</i> , 2022, 12, 3807.	4.1	0
37354	Carbon Nanotube Alignment Methods. , 0, , .		1
37355	Fabrication and Characterisation of MWCNT/Polyvinyl (PVC) Polymer Inclusion Membrane for Zinc (II) Ion Removal from Aqueous Solution. <i>Membranes</i> , 2022, 12, 1020.	3.0	2
37356	3D Cell Spheroids as a Tool for Evaluating the Effectiveness of Carbon Nanotubes as a Drug Delivery and Photothermal Therapy Agents. <i>Journal of Carbon Research</i> , 2022, 8, 56.	2.7	9
37357	Micromechanical properties of hydroxyapatite nanocomposites reinforced with CNTs and ZrO2. <i>Ceramics International</i> , 2023, 49, 7466-7475.	4.8	6

#	ARTICLE	IF	CITATIONS
37358	Magnetically Induced Current Densities in π -Conjugated Porphyrin Nanoballs. Journal of Physical Chemistry A, 2022, 126, 7864-7873.	2.5	3
37359	Vibration of initially stressed nonlocal irregular nanoplate using wave propagation approach. Waves in Random and Complex Media, 0, , 1-14.	2.7	0
37360	Controllable Preparation and Strengthening Strategies towards High-Strength Carbon Nanotube Fibers. Nanomaterials, 2022, 12, 3478.	4.1	3
37361	Micro and nanotechnologies: The little formulations that could. Bioengineering and Translational Medicine, 2023, 8, .	7.1	9
37362	Stability analysis of inclined MHD and Joule effects in Ti-alloy and MWCNT/water hybrid nanofluid: Flow separation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2023, 237, 1486-1498.	2.1	3
37363	Heterostructures of Cut Carbon Nanotube-Filled Array of TiO ₂ Nanotubes for New Module of Photovoltaic Devices. Nanomaterials, 2022, 12, 3604.	4.1	2
37364	Adsorption of O ₂ molecule on the transition metals (TM(II) = Sc ²⁺ , Ti ²⁺ , V ²⁺ , Cr ²⁺ , Mn ²⁺ , Fe ²⁺ , Co ²⁺ ,) Tj ETQq0 0 0 rgBT /Overlock 10 Graphics and Modelling, 2023, 119, 108362.	2.4	6
37365	MHD Pulsatile Flow of Blood-Based Silver and Gold Nanoparticles between Two Concentric Cylinders. Symmetry, 2022, 14, 2254.	2.2	7
37366	Synthesis of Epitaxial MoS ₂ /MoO ₂ Core-Shell Nanowires by Two-Step Chemical Vapor Deposition with Turbulent Flow and Their Physical Properties. ACS Omega, 2022, 7, 39362-39369.	3.5	1
37367	Fabrication of multiwalled carbon nanotube-reinforced rapeseed-oil-based polyurethane coatings for anticorrosive applications. Polymer International, 2023, 72, 126-137.	3.1	1
37368	Recent Advances in the Synthesis, Characterization, and Application of Carbon Nanomaterials for the Removal of Endocrine-Disrupting Chemicals: A Review. International Journal of Molecular Sciences, 2022, 23, 13148.	4.1	10
37369	Effects of carbon nanotube on methane hydrate formation by molecular dynamics simulation. Journal of Molecular Liquids, 2022, 368, 120621.	4.9	2
37370	Multiwalled Carbon Nanotubes Polylactide Composites for Electrical Engineering-Fabrication and Electrical Properties. Electronics (Switzerland), 2022, 11, 3180.	3.1	1
37371	Self-assembly for preparing nanotubes from monolayer graphyne ribbons on a carbon nanotube. Nanotechnology, 0, , .	2.6	0
37372	Literature review of reinforced cementitious composites with carbon nanotubes in the field of historical building restoration. IOP Conference Series: Materials Science and Engineering, 2022, 1262, 012017.	0.6	0
37373	Surface Modified Carbon Nanotube-Based Coating and Thin Films. ACS Symposium Series, 0, , 111-130.	0.5	0
37374	Evaluation of the Inactivating Ability of Carbon-Nanotube Coated Plasma Treatment on Bioaerosols for Indoor Air Cleaning. Coatings, 2022, 12, 1497.	2.6	1
37375	Carbon Nanomaterial-Based Lubricants: Review of Recent Developments. Lubricants, 2022, 10, 281.	2.9	21

#	ARTICLE	IF	CITATIONS
37376	Improvement in electrical characteristics by surface modification of multi-wall carbon nanotube based buckypaper for de-icing application. Journal of Composite Materials, 2022, 56, 4487-4499.	2.4	1
37377	Optimization of Graphene Nanoplatelets Dispersion and Its Performance in Cement Mortars. Materials, 2022, 15, 7308.	2.9	1
37378	Structural Evolution of Single-Walled Carbon Nanotubes: Molecular Dynamics Simulation. Defect and Diffusion Forum, 0, 419, 141-146.	0.4	0
37379	Ferric Ions Crosslinked Epoxidized Natural Rubber Filled with Carbon Nanotubes and Conductive Carbon Black Hybrid Fillers. Polymers, 2022, 14, 4392.	4.5	5
37380	Molecular Adsorption of Silane on Ge, Ga and Al-doped CNT Structures: A Density Functional Theory Study. Protection of Metals and Physical Chemistry of Surfaces, 2022, 58, 949-958.	1.1	1
37381	Review on the preparation of high value-added carbon materials from biomass. Journal of Analytical and Applied Pyrolysis, 2022, 168, 105747.	5.5	16
37383	Amino β -cyclodextrin-functionalized GS/MWCNTs for Simultaneous Electrochemical Determination of p-aminophenol and Acetaminophen. International Journal of Electrochemical Science, 2022, 17, 221172.	1.3	2
37384	Mechanical Properties of Cement Reinforced with Pristine and Functionalized Carbon Nanotubes: Simulation Studies. Materials, 2022, 15, 7734.	2.9	3
37385	Recent Development of Carbon-Nanotube-Based Solar Heat Absorption Devices and Their Application. Nanomaterials, 2022, 12, 3871.	4.1	3
37386	Is it possible for Curcumin to conjugate with a carbon nanotube in photodynamic therapy?. Photodiagnosis and Photodynamic Therapy, 2022, 40, 103189.	2.6	1
37387	Clusters of Fullerenes: Structures and Dynamics. Journal of Physical Chemistry A, 2022, 126, 8173-8187.	2.5	1
37388	A CNT-Toughened Strategy for In-Situ Repair of Aircraft Composite Structures. Materials, 2022, 15, 7691.	2.9	0
37389	Applicability and Limitations of Ru ^{III} 's Formulation for Vibration Modelling of Double-Walled Carbon Nanotubes. Journal of Carbon Research, 2022, 8, 59.	2.7	0
37390	Selective adsorption and separation of light hydrocarbon gases in VI/IV dipeptide crystals. Microporous and Mesoporous Materials, 2022, 345, 112284.	4.4	1
37391	Applications of Carbon Dots in Electrochemical Energy Storage. ACS Applied Electronic Materials, 2022, 4, 5144-5164.	4.3	8
37392	Structures That Can Be Made with Carbon Nanotube Fibers but Not with Other Materials. Journal of Engineering Mechanics - ASCE, 2022, 148, .	2.9	4
37393	Computational and theoretical study of B-doped achiral single-walled carbon nanotubes: A nonresonant polarized Raman analysis. Solid State Communications, 2022, 357, 114968.	1.9	1
37394	Antibacterial applications of elemental nanomaterials. Current Opinion in Solid State and Materials Science, 2022, 26, 101043.	11.5	9

#	ARTICLE	IF	CITATIONS
37395	Preparation of graphene-carbon nanotube macroscopic body nanocomposite and its energy storage performance. <i>Diamond and Related Materials</i> , 2022, 130, 109489.	3.9	1
37396	Local nanoflow field produced by the bladed rotor in a rotation transmission nanosystem in water environments. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022, 286, 116046.	3.5	0
37397	A robust computational investigation on C60 fullerene nanostructure as a novel sensor to detect SCN ⁻ . <i>Arabian Journal of Chemistry</i> , 2022, 15, 104336.	4.9	2
37398	Amorphous carbon nanotubes-molybdenum disulphide: A potential material for energy storage. <i>Materials Today Communications</i> , 2022, 33, 104665.	1.9	3
37399	Performance of Multiwalled Carbon Nanotube Doped Fired Clay Bricks. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	2
37400	Fabrication of small-diameter carbon nanotubes using a coordination polymer with a free-oxygen ligand as a catalyst precursor. <i>Materials Chemistry and Physics</i> , 2023, 293, 126938.	4.0	6
37401	Functionalized carbon nanostructures as lubricant additives – A review. <i>Carbon</i> , 2023, 201, 1200-1228.	10.3	45
37402	Recent progresses, challenges, and opportunities of carbon-based materials applied in heavy metal polluted soil remediation. <i>Science of the Total Environment</i> , 2023, 856, 158810.	8.0	36
37403	Structures, reactivity, and properties of low ionization energy species doped fullerenes and their complexes with superhalogen. , 2023, , 173-183.		0
37404	Strengthening and toughening behaviors and dynamic constitutive model of carbon-based hierarchical fiber modified concrete: Cross-scale synergistic effects of carbon nanotubes and carbon fiber. <i>Journal of Building Engineering</i> , 2023, 63, 105482.	3.4	1
37405	Introduction to Noise-Resilient Computing. <i>Synthesis Lectures on Digital Circuits and Systems</i> , 2013, , .	0.3	2
37406	Different Shapes of Carbon Nanotubes via Water Assisted Chemical Vapor Deposition. <i>Engineering and Technology Journal</i> , 2015, 33, 487-499.	0.7	0
37407	Point and Line to Plane: The Ontography of Carbon Nanomaterials. , 2017, , 183-216.		0
37408	Chapter 8. Fate and Behaviour of Carbon Nanomaterials in the Aquatic Environment: A Case of Graphene and Graphene Oxide. <i>Chemistry in the Environment</i> , 2022, , 211-237.	0.4	0
37409	The Augmentation of nanotechnology era: A concise review on fundamental concepts of nanotechnology and applications in material science and technology. <i>Results in Chemistry</i> , 2022, 4, 100633.	2.0	17
37410	Multiwall Carbon Nanotubes-Based Micro-fibrillar Polymer Composite Fiber: A Structural Biomimetic. , 2022, , 2427-2459.		0
37411	Manufacturing Techniques for Carbon Nanotube-Polymer Composites. , 2022, , 687-710.		1
37412	Field Emission from Carbon Nanotube Systems: Material Properties to Device Applications. , 2022, , 249-282.		0

#	ARTICLE	IF	CITATIONS
37413	A Miniaturized Ionization Vacuum Sensor Based on Thermionic Electron Emission From Carbon Nanotubes. IEEE Transactions on Electron Devices, 2023, 70, 2872-2875.	3.0	1
37414	Advanced Applications of Carbon Nanotubes in Engineering Technologies. , 2022, , 2001-2038.		0
37415	Carbon Nanotube Growth Mechanisms. , 2022, , 57-87.		0
37416	Semi-crystalline Thermoplastic/Carbon Nanotube-Based Composites. , 2022, , 775-802.		0
37417	Carbon Nanotube for Water Splitting and Fuel Cell. , 2022, , 1391-1418.		0
37418	EMI Shielding Effectiveness Study for Innovative Carbon Nanotube Materials in the 5G Frequency Region. IEEE Transactions on Electromagnetic Compatibility, 2023, 65, 177-185.	2.2	3
37419	Thermal Properties of Carbon Nanotube. , 2022, , 149-172.		0
37420	Characterization of the Dynamic Response of CNT-Reinforced-Polymer-Composite (CNTRPC) Materials Based on a Multiscale Approach. , 2022, , 1261-1299.		1
37421	Latex-Based Carbon Nanotube Composites. , 2022, , 877-900.		0
37422	Dispersion and Alignment of Carbon Nanotubes in Polymer Matrix. , 2022, , 741-774.		0
37423	Carbon Nanotube Composites: Critical Issues. , 2022, , 711-740.		0
37424	Nanomaterials-modified electrochemical sensors for sensitive determination of alkaloids: Recent trends in the application to biological, pharmaceutical and agri-food samples. Microchemical Journal, 2023, 184, 108136.	4.5	6
37425	Scaffold assisted synthesized metallic and semiconductor nanowires for electrochemical biosensing applications. , 2023, , 217-238.		0
37426	A critical review on the role of carbon supports of metal catalysts for selective catalytic hydrogenation of chloronitrobenzenes. Applied Catalysis A: General, 2023, 649, 118955.	4.3	13
37427	Wave propagation analysis in viscoelastic Timoshenko nanobeams under surface and magnetic field effects based on nonlocal strain gradient theory. Applied Mathematics and Computation, 2023, 439, 127580.	2.2	8
37428	Electrical Interface between Carbon Nanotubes and Metallic Electrodes for Industrial Applications. , 2022, , .		0
37431	The wear and electrical performance of Cu-CNTs composites with network structure CNTs fabricated by multi-directional forging. Nano, 0, , .	1.0	0
37432	Future adoption and consumption of green and sustainable nanoproducts—classifications and synthesis. Nanotechnology for Environmental Engineering, 0, , .	3.3	0

#	ARTICLE	IF	CITATIONS
37452	Matrix effect on strengthening behavior of carbon nanotubes in aluminum matrix composites. <i>Materials Characterization</i> , 2023, 195, 112484.	4.4	7
37453	A high-accuracy continuous shear stress multilayered plate model for FG-CNTRC structures. <i>Acta Mechanica</i> , 2023, 234, 553-575.	2.1	1
37454	Recent Advances in Rolling 2D TMDs Nanosheets into 1D TMDs Nanotubes/Nanoscrolls. <i>Small</i> , 2023, 19, .	10.0	18
37455	Lessons from Nature for Carbon-Based Nanoarchitected Metamaterials. <i>Small Science</i> , 2022, 2, .	9.9	8
37456	Efficient and Mild Synthesis of Pyranopyrimidines Catalyzed by Decorated Multi-walled Carbon Nanotubes Bearing Cobalt, Nickel, and Copper Metals in Water. <i>Journal of Cluster Science</i> , 2023, 34, 2189-2203.	3.3	2
37457	Evaluation of Different Dispersants on the Dispersion/Sedimentation Behavior of Halloysite, Kaolinite, and Quartz Suspensions in the Enrichment of Halloysite Ore by Mechanical Dispersion. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 1426.	2.0	4
37458	Mechanical Properties and Pore Structure of Multiwalled Carbon Nanotube-Reinforced Reactive Powder Concrete for Three-Dimensional Printing Manufactured by Material Extrusion. <i>3D Printing and Additive Manufacturing</i> , 0, , .	2.9	1
37459	Single-chirality nanotube synthesis by guided evolutionary selection. <i>Science Advances</i> , 2022, 8, .	10.3	5
37460	Synthesis of Twisted [C ₆₀]Cycloparaphenylene by Alkene Insertion. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	13.8	10
37461	A comprehensive review on bio-mimicked multimolecular frameworks and Supramolecules as scaffolds for enzyme immobilization. <i>Biotechnology and Bioengineering</i> , 2023, 120, 352-398.	3.3	3
37462	Combination effect of growth enhancers and carbon sources on synthesis of single-walled carbon nanotubes from solid carbon growth seeds. <i>Diamond and Related Materials</i> , 2022, 130, 109516.	3.9	2
37463	Investigation of the effect of pristine and functionalized carbon nanotubes in cellulose acetate butyrate for mixed-gas separation: A molecular simulation study. <i>Journal of Molecular Liquids</i> , 2022, 368, 120788.	4.9	2
37464	The role of storage systems in hydrogen economy: A review. <i>Journal of Natural Gas Science and Engineering</i> , 2022, 108, 104843.	4.4	42
37465	Carbon Nanotubes as Antimicrobial Agents: Trends and Perspectives. , 2022, , 1903-1922.		0
37466	Comparative study of multi-walled carbon nanotube properties before and after purification prepared at low temperature. <i>AIP Conference Proceedings</i> , 2022, , .	0.4	0
37468	Diameter-Dependent Semiconducting Carbon Nanotube Network Transistor Performance. <i>ACS Applied Electronic Materials</i> , 2022, 4, 6335-6344.	4.3	2
37471	Structure-Property-Activity Relationships in Carbon Dots. <i>Journal of Physical Chemistry B</i> , 2022, 126, 10777-10796.	2.6	8
37473	Biomedical Applications and Biosafety Profile of Carbon Nanotubes-Based Composites. , 2022, , 1301-1318.		0

#	ARTICLE	IF	CITATIONS
37474	History of Carbon Nanotubes. , 2022, , 3-24.		0
37475	Experimental and computational physics of fullerenes and their nanocomposites: Synthesis, thermo-mechanical characteristics and nanomedicine applications. Physics Reports, 2023, 996, 1-116.	25.6	10
37477	Theoretical investigations of functionalization of graphene and ZnO monolayers with mercaptopurine at aqueous media: A dispersion-corrected DFT calculations and molecular dynamic simulations. Journal of Molecular Liquids, 2023, 369, 120865.	4.9	23
37481	Electron gun using coniferous carbon nano-structure. , 2014, 2, 011302-011302.		2
37482	Carbon Nanotubes for Environmental Remediation Applications. , 2022, , 1845-1873.		0
37483	Experimental and Theoretical Aspects of the Fragmentation of Carbonâ€™s Single- and Multiwalled Nanotubes. , 2022, , 587-618.		0
37484	Carbon-Based Supercapacitors. , 2022, , 1-39.		1
37485	Carbon Nanotubes: General Introduction. , 2022, , 1321-1333.		0
37486	Mechanically controllable conductance in carbon nanotube based nanowires. Physical Chemistry Chemical Physics, 2023, 25, 2926-2934.	2.8	2
37487	Carbon Nanotube Radiofrequency Transistors With T_{MAX} of 376/318 GHz. IEEE Electron Device Letters, 2023, 44, 329-332.	3.9	7
37488	OPTIMIZATION OF NANO FILLERS CONTENT TO FABRICATE ELECTRICALLY CONDUCTIVE CARBON FIBER REINFORCED POLYMER FOR SPACE USE. Composites: Mechanics, Computations, Applications, 2023, 14, 79-88.	0.3	0
37489	Conductometric Gas Sensors. , 2023, , 564-580.		0
37490	Carbon Nanotube Research Developments: Published Scientific Documents and Patents, Synthesis, and Production. , 2022, , 1937-1973.		0
37491	Carbon Nanotubes for Bio-imaging Applications. , 2022, , 1665-1685.		0
37492	Atomistic insights into the mechanical anisotropy and fragility of monolayer fullerene networks using quantum mechanical calculations and machine-learning molecular dynamics simulations. Extreme Mechanics Letters, 2023, 58, 101929.	4.1	25
37493	Effects of the confinement potential parameters and optical intensity on the linear and nonlinear optical properties of spherical quantum dots. Results in Physics, 2023, 44, 106182.	4.1	6
37494	Recent advances: Biomass-derived porous carbon materials. South African Journal of Chemical Engineering, 2023, 43, 327-336.	2.4	8
37495	Detection of nitrotyrosine (Alzheimer's agent) by B24N24 nano cluster: A comparative DFT and QTAIM insight. Inorganic Chemistry Communication, 2023, 147, 110191.	3.9	2

#	ARTICLE	IF	CITATIONS
37496	Single-chirality of single-walled carbon nanotubes (SWCNTs) through chromatography and its potential biological applications. <i>New Journal of Chemistry</i> , 2023, 47, 992-1022.	2.8	1
37497	Preparation of lignin-based carbon nanotubes using micelles as soft template. <i>Industrial Crops and Products</i> , 2023, 191, 116009.	5.2	6
37498	Entropies of the Y-Junction Type Nanostructures. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2023, 135, 2665-2679.	1.1	1
37499	Diagnosis of cancer using carbon nanomaterial-based biosensors. <i>Sensors & Diagnostics</i> , 2023, 2, 268-289.	3.8	5
37500	Cobalt containing bimetallic ZIFs and their derivatives as OER electrocatalysts: A critical review. <i>Coordination Chemistry Reviews</i> , 2023, 477, 214925.	18.8	32
37501	Advanced theragnostics for the central nervous system (CNS) and neurological disorders using functional inorganic nanomaterials. <i>Advanced Drug Delivery Reviews</i> , 2023, 192, 114636.	13.7	7
37502	Solar absorbers based on electrophoretically deposited carbon nanotubes using pyrocatechol violet as a charging agent. <i>Thin Solid Films</i> , 2023, 764, 139614.	1.8	3
37503	The kinked structure and interchain van der Waals interaction of carbyne nanocrystals. <i>Chemical Science</i> , 0, , .	7.4	0
37504	Density functional theory simulation and modeling of the electrical and mechanical properties of Al ₂ O ₃ -CAO-CNT(3,3) nanomaterial. <i>Computational Materials Science</i> , 2023, 218, 111939.	3.0	0
37505	Investigation of the thermal and ferroelectric properties of a Spin-1 Ising thin film: Insight from path integral Monte Carlo. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2023, 288, 116204.	3.5	4
37506	An impact of CNTs on an MHD Casson Marangoni boundary layer flow over a porous medium with suction/injection and thermal radiation. <i>International Communications in Heat and Mass Transfer</i> , 2023, 141, 106561.	5.6	15
37507	Carbon nanotube reinforced cementitious tailings composites: Links to mechanical and microstructural characteristics. <i>Construction and Building Materials</i> , 2023, 365, 130123.	7.2	22
37508	Controlled growth, characterization and field emission properties of high-quality WS ₂ nanowires by chemical vapor deposition. <i>Vacuum</i> , 2023, 208, 111725.	3.5	2
37509	Optimization of cemented paste backfill with carbon nanotubes as a sustainable treatment for lead-containing tailings. <i>Powder Technology</i> , 2023, 415, 118152.	4.2	4
37510	Thermotropic flash assembly energy of carbon nanotube in liquid phase based on electrical energy. <i>Applied Energy</i> , 2023, 332, 120537.	10.1	4
37511	A quantum-chemical study of boro-fullerenes B ₆₀ H ₆₀ , B ₆₀ F ₃₀ H ₃₀ , and B ₆₀ F ₆₀ . <i>Computational and Theoretical Chemistry</i> , 2023, 1220, 113987.	2.5	0
37512	Frontiers and recent developments on supercapacitor's materials, design, and applications: Transport and power system applications. <i>Journal of Energy Storage</i> , 2023, 58, 106104.	8.1	32
37513	Great new generation carbon microsphere-based composites: Facile synthesis, properties and their application in piezo-electric energy harvesting. <i>Applied Surface Science</i> , 2023, 613, 156078.	6.1	8

#	ARTICLE	IF	CITATIONS
37514	Polarization-sensitive near-infrared photodetectors based on quasi-one-dimensional Sb ₂ Se ₃ nanotubes. Journal of Alloys and Compounds, 2023, 937, 168284.	5.5	9
37515	Carbon material/vitrimer composites: Towards sustainable, functional, and high-performance crosslinked polymeric materials. Giant, 2023, 13, 100136.	5.1	11
37516	The effect of acid treated multi-walled carbon nanotubes on the properties of cement paste prepared by ultrasonication with polycarboxylate ester. Journal of Building Engineering, 2023, 64, 105638.	3.4	3
37517	A critical review of heterogeneous catalyst design for carbon nanotubes synthesis: Functionalities, performances, and prospects. Fuel Processing Technology, 2023, 241, 107624.	7.2	10
37518	Development, characterization, and modeling of the dynamic mechanical properties of a highly flexible novel SWCNT/EMA nanocomposite. Materials Today Communications, 2023, 34, 105172.	1.9	1
37519	Necked gold nanoparticles prepared by submerged alternating current arc discharge in water. RSC Advances, 2022, 12, 33955-33963.	3.6	1
37520	Carbon dioxide-boosted growth of high-density and vertically aligned carbon nanotube arrays on a stainless steel mesh. RSC Advances, 2022, 12, 34740-34745.	3.6	0
37521	Carbon Nanotubes for Photonics Applications. , 2022, , 1557-1577.		0
37522	Mechanical Properties of Carbon Nanotubeâ€“Polymer Composites. , 2022, , 1067-1088.		0
37524	Innovative Approaches in Characterization of Carbon Nanotube. , 2022, , 109-129.		0
37525	Chemistry and Physics of Carbon Nanotube Structures. , 2022, , 89-107.		0
37526	A theoretical study on the adsorption of Cr⁶⁺, Mn²⁺, and Pt²⁺ onto (8,0) single-walled carbon nanotubes. Ferroelectrics, 2022, 599, 195-201.	0.6	1
37527	Dynamic Instability of Functionally Graded Graphene Platelet-Reinforced Porous Beams on an Elastic Foundation in a Thermal Environment. Nanomaterials, 2022, 12, 4098.	4.1	4
37528	Growth of Carbon Nanotubes on Diamond with a Robust Structural Connection via Microwave Plasma Chemical Vapor Deposition. Coatings, 2022, 12, 1838.	2.6	0
37529	Theoretical Approach of the Propagation of Electromagnetic Waves through Carbon Nanotubes and Behavior of Carbon Nanotubes as Capacitor using Electric Hertz Potential. , 0, , .		0
37530	Highly Active Ag-Cu Nanocrystal Catalyst-Coated Brewerâ€™s Spent Grain Biochar for the Mineralization of Methyl Orange and Methylene Blue Dye Mixture. Catalysts, 2022, 12, 1475.	3.5	7
37531	One Dimensional Twisted Van der Waals Structures Constructed by Self-Assembling Graphene Nanoribbons on Carbon Nanotubes. Materials, 2022, 15, 8220.	2.9	4
37532	Decadal Journey of CNT-Based Analytical Biosensing Platforms in the Detection of Human Viruses. Nanomaterials, 2022, 12, 4132.	4.1	5

#	ARTICLE	IF	CITATIONS
37533	A crack templated copper network film as a transparent conductive film and its application in organic light-emitting diode. Scientific Reports, 2022, 12, .	3.3	7
37534	Dyes removal from water using polymeric nanocomposites: a review. Environmental Chemistry Letters, 2023, 21, 1029-1058.	16.2	17
37535	Modified linear solvation energy relationships for adsorption of perfluorocarboxylic acids by polystyrene microplastics. Science of the Total Environment, 2023, 860, 160524.	8.0	7
37536	Effect of multi-walled carbon nanotube size on electrical properties of cement mortar composites. Magazine of Concrete Research, 0, , 1-42.	2.0	1
37537	Carbon Nanotubes (CNTs) Reinforced CoCrMoNbTi0.4 Refractory High Entropy Alloy Fabricated via Laser Additive Manufacturing: Processing Optimization, Microstructure Transformation and Mechanical Properties. Crystals, 2022, 12, 1678.	2.2	4
37538	Axial and torsional free vibrations of restrained single-walled boron nitride nanotube (SWBNNT) embedded in an elastic medium via nonlocal strain gradient theory. Waves in Random and Complex Media, 0, , 1-26.	2.7	7
37539	Graphene Quantum Dot-Enabled Nanocomposites as Luminescence- and Surface-Enhanced Raman Scattering Biosensors. Chemosensors, 2022, 10, 498.	3.6	5
37540	Development of a Toxic Lead Ionic Sensor Using Carboxyl-Functionalized MWCNTs in Real Water Sample Analyses. Sensors, 2022, 22, 8976.	3.8	3
37541	Nanocarriers and their Types for Targeted Drug Delivery. International Journal of Pharmaceutical Sciences Review and Research, 0, , 21-28.	0.1	0
37542	Synthesis of Nickel Cobaltite/Multiwalled Carbon Nanotubes Composites and Their Application for Removing Uranium (VI). Crystals, 2022, 12, 1712.	2.2	1
37543	Effects of carbon nanotubes on structure, performance and properties of polymer nanocomposite membranes for water/wastewater treatment applications: a comprehensive review. Polymer Bulletin, 2023, 80, 11589-11632.	3.3	2
37544	Scattering of an Extremely Short Pulse on a Carbon Nanotube. Bulletin of the Russian Academy of Sciences: Physics, 2022, 86, 1446-1449.	0.6	0
37545	Effects of layer number and initial pressure on continuum-based buckling analysis of multi-walled carbon nanotubes accounting for van der Waals interaction. Applied Mathematics and Mechanics (English Edition), 2022, 43, 1857-1872.	3.6	1
37546	Effect of Recycling on the Mechanical, Thermal and Rheological Properties of Polypropylene/Carbon Nanotube Composites. Polymers, 2022, 14, 5257.	4.5	4
37547	More than One Century of History for Photocatalysis, from Past, Present and Future Perspectives. Catalysts, 2022, 12, 1572.	3.5	3
37549	Conductive Textiles for Signal Sensing and Technical Applications. Signals, 2023, 4, 1-39.	1.9	6
37550	Carbon Nanotube-Based Uncooled Bolometers: Advances and Progress. , 2023, 5, 249-274.		6
37551	Preparation, characterization and properties of three different nanomaterials either alone or loaded with nystatin or fluconazole antifungals. Scientific Reports, 2022, 12, .	3.3	6

#	ARTICLE	IF	CITATIONS
37552	Neighbourhood Sum Degree-Based Indices and Entropy Measures for Certain Family of Graphene Molecules. <i>Molecules</i> , 2023, 28, 168.	3.8	12
37553	Effect of Multi-Walled Carbon Nanotubes (MWCNTs) in Reducing the Corrosion Rate in Cr-MWCNTs Composite Coatings. <i>Materials Science Forum</i> , 0, 1078, 83-91.	0.3	0
37554	Drug delivery mechanism of doxorubicin and camptothecin on single-walled carbon nanotubes by DFT study. <i>Applied Surface Science</i> , 2023, 614, 156242.	6.1	2
37555	A comprehensive review of the effects of various factors on the thermal conductivity and rheological characteristics of CNT nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2023, 148, 1723-1763.	3.6	4
37556	Poly(<i>N</i> -vinyl triazole- <i>b</i> - <i>N</i> -vinyl imidazole) Grafted on MWCNTs as Nanofillers to Improve Proton Conducting Membranes. <i>ACS Applied Nano Materials</i> , 2023, 6, 544-557.	5.0	14
37558	Thermal defect healing of single-walled carbon nanotubes assisted by supplying carbon-containing reactants. <i>Applied Physics Express</i> , 0, , .	2.4	0
37560	Experimental and theoretical study of the conditions for the formation of carbon nanostructures in an arc discharge in helium, argon and nitrogen. <i>Letters on Materials</i> , 2022, 12, 321-326.	0.7	0
37561	Formaldehyde Emissions from Wood-Based Composites: Effects of Nanomaterials. , 2023, , 337-360.		0
37563	Composites Filled with Metal Organic Frameworks and Their Derivatives: Recent Developments in Flame Retardants. <i>Polymers</i> , 2022, 14, 5279.	4.5	7
37564	Chirality-Dependent and Intrinsic Auxeticity for Single-Walled Carbon Nanotubes. <i>Materials</i> , 2022, 15, 8720.	2.9	3
37565	One-dimensional nanospace confinement effects on the chemical properties of organic molecules in carbon nanotubes: Quantum chemical calculation analyses. , 2022, 1, 175-187.		0
37566	Synthesis of Highly Dispersible Functionalized Carbon Nanotubes as Conductive Material through a Facile Drying Process for High-Power Lithium-ion Batteries. <i>ChemSusChem</i> , 2023, 16, .	6.8	2
37567	Mechanical and electrical resistivity performance of Pozzolana Portland cement mortar admixed graphene oxide. <i>Materials Today: Proceedings</i> , 2023, 78, 830-838.	1.8	7
37568	Brief review on carbon derivatives based ternary metal oxide composite electrode materials for lithium-ion batteries. <i>Journal of Electrochemical Science and Engineering</i> , 0, , .	3.5	0
37569	AOC: Assembling overlapping communities. <i>Quantitative Science Studies</i> , 2022, 3, 1079-1096.	3.3	1
37570	Assessing the Food Quality Using Carbon Nanomaterial Based Electrodes by Voltammetric Techniques. <i>Biosensors</i> , 2022, 12, 1173.	4.7	24
37571	Single -and Multi-Walled Carbon Nanotubes as Nanocarriers for the Delivery of 7-Hydroxyflavone. <i>Pharmaceutics</i> , 2022, 14, 2806.	4.5	4
37572	Carbon Dots Hybrid Nanostructure-Based Electrochemical Sensors: Applications In Determining Different Species In A Real Sample. <i>Current Nanoscience</i> , 2022, 19, .	1.2	4

#	ARTICLE	IF	CITATIONS
37573	Nanostructured Graphdiyne: Synthesis and Biomedical Applications. International Journal of Nanomedicine, 0, Volume 17, 6467-6490.	6.7	2
37574	Nanomaterials to Improve Fire Properties in Wood and Wood-Based Composite Panels. , 2023, , 65-96.		1
37575	Nonlinear Vibration of Double-Walled Carbon Nanotubes Subjected to Mechanical Impact and Embedded on Winklerâ€œPasternak Foundation. Materials, 2022, 15, 8599.	2.9	5
37576	Buckypaper-Based Nanostructured Sensor for Port Wine Analysis. Sensors, 2022, 22, 9732.	3.8	0
37577	Assessment of Pristine Carbon Nanotubes Toxicity in Rodent Models. International Journal of Molecular Sciences, 2022, 23, 15343.	4.1	12
37578	Conjugated Polymers: Where We Come From, Where We Stand, and Where We Might Go. Macromolecular Chemistry and Physics, 2023, 224, .	2.2	13
37579	Temporal resolution in transmission electron microscopy using a photoemission electron source. Microscopy (Oxford, England), 2023, 72, 97-110.	1.5	2
37580	Introduction to Nanotechnology. , 2023, , 1-17.		0
37581	Expansion of nanotube cap due to migration of sp atoms from lateral surface. Physica E: Low-Dimensional Systems and Nanostructures, 2023, 148, 115624.	2.7	2
37582	Disordered hyperuniform quasi-one-dimensional materials. Physical Review B, 2022, 106, .	3.2	4
37584	Preparation of polypropylene co-polymer (PPCP) based composites with improved properties in presence of MWCNT and MAgPP fillers. Materials Today: Proceedings, 2022, , .	1.8	0
37585	Carbon Nanomaterials-Based Electrochemical Sensors for Heavy Metal Detection. Critical Reviews in Analytical Chemistry, 0, , 1-20.	3.5	5
37586	Metallic and carbonaceous nanoparticles for dentistry applications. Current Opinion in Biomedical Engineering, 2023, 25, 100436.	3.4	4
37587	Evaporation of Carbon Atoms and Molecules in Helium by Low-Current Arc Discharge with Graphite Electrodes. High Energy Chemistry, 2022, 56, 477-486.	0.9	11
37588	Irreversibility analysis for flow of carbon nanotubes with varying length and radius: Applications in rocket engine. International Journal of Modern Physics B, 2023, 37, .	2.0	2
37589	Fabrication of Conductive Fabrics Based on SWCNTs, MWCNTs and Graphene and Their Applications: A Review. Polymers, 2022, 14, 5376.	4.5	9
37590	Carbon nanotubes supported oxygen reduction reaction catalysts: role of inner tubes. Advanced Composites and Hybrid Materials, 2023, 6, .	21.1	33
37591	The Synthesis of Carbon Nanoparticles in a Compression Reactor in the Atmosphere of Buffer Gases. Siberian Journal of Physics, 2022, 17, 29-46.	0.3	0

#	ARTICLE	IF	CITATIONS
37592	A carbon felt cathode modified by acidic oxidised carbon nanotubes for the high H_2O_2 generation and its application in electro-Fenton. Environmental Technology (United Kingdom), 0, , 1-14.	2.2	4
37593	Confinement phase in carbon-nanotubes and the extended massive Schwinger model. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 504001.	2.1	0
37594	Theoretical Study on Non-Linear Optics Properties of Polycyclic Aromatic Hydrocarbons and the Effect of Their Intercalation with Carbon Nanotubes. Molecules, 2023, 28, 110.	3.8	1
37595	Simulation and Optimization of CNTs Cold Cathode Emission Grid Structure. Nanomaterials, 2023, 13, 50.	4.1	4
37597	Discrete chiral organic nanotubes by stacking pillar[5]arenes using covalent linkages. Cell Reports Physical Science, 2022, 3, 101173.	5.6	10
37598	Carbon Nanomaterialsâ€Enabled Highâ€Performance Supercapacitors: A Review. Advanced Energy and Sustainability Research, 2023, 4, .	5.8	2
37599	Recent advances and perspective on boron nitride nanotubes: From synthesis to applications. Journal of Materials Research, 2022, 37, 4403-4418.	2.6	7
37600	β -graphyne: A promising electron acceptor for organic photovoltaics. Materials and Design, 2023, 225, 111526.	7.0	5
37601	Opportunities and challenges in integrating 2D materials with inorganic 1D and 0D layered nanostructures. Journal of Materials Research, 2023, 38, 267-280.	2.6	1
37602	Heat transfer analysis of carbon nanotubes flow over a deformable cylinder with viscous dissipation. Waves in Random and Complex Media, 0, , 1-15.	2.7	0
37603	Zero to Three Dimension Structure Evolution from Carbon Allotropes to Phosphorus Allotropes. Advanced Materials Interfaces, 2023, 10, .	3.7	7
37604	Longitudinal Forced Vibration Analysis of a Single-Walled Carbon Nanotube Embedded in an Elastic Medium. Journal of Vibration Engineering and Technologies, 0, , .	2.2	1
37606	Optical and mechanical <sc>properties of PNIPAmâ€MWCNTs</sc> and <sc>PNIPAmâ€GO composites</sc>. Journal of Applied Polymer Science, 2023, 140, .	2.6	1
37607	Dielectric, optical and absorption studies of f-MWCNTs dispersed nematic liquid crystal. Molecular Crystals and Liquid Crystals, 2023, 758, 1-10.	0.9	2
37608	Selective Separation and Adsorption of Bovine Serum Albumin and Ovalbumin by Magnetic Solid-Phase Extraction (MSPE) Using Poly(Diallyldimethylammonium Chloride) Modified Cobalt Ferrite Filled Multiwalled Carbon Nanotubes as the Adsorbent. Analytical Letters, 0, , 1-17.	1.8	0
37613	Spin-dependent transmission in curved graphene superlattice. Physica Scripta, 2023, 98, 035808.	2.5	1
37614	Influence of carbon nanotubes on thermal and electrical conductivity of zirconia-based composite. Ceramics International, 2023, 49, 15442-15450.	4.8	5
37615	Analysis of the Resistance Change of Chemosensitive Layers to the Presence of Ammonia Vapors under Variable Conditions of Air Temperature and Humidity. Polymers, 2023, 15, 420.	4.5	0

#	ARTICLE	IF	CITATIONS
37616	Fabrication and Evaluation of Multiwalled Carbon Nanotube-Containing Bijels and Bijels-Derived Porous Nanocomposites. <i>Langmuir</i> , 2023, 39, 1434-1443.	3.5	3
37617	Zooming in to the Composites from the Aquatic Environment. <i>Composites Science and Technology</i> , 2023, , 1-13.	0.6	1
37618	Carbon Nanotubes and Graphene. , 2022, , 801-817.		0
37619	An Investigation on Mechanical Characteristics of Carbon Nanomaterials Used in Cementitious Composites. , 2022, , 1-22.		1
37620	Graphene-Based Materials: Synthesis and Applications. , 2023, , 59-84.		2
37621	Humidity Sensors, Major Types and Applications. , 0, , .		0
37622	Effect of pressure on the evolution of vitrinite graphitized mesophases: An experimental study on anthracite under high temperature and pressure. <i>International Journal of Coal Geology</i> , 2023, 267, 104187.	5.0	6
37623	Flexible and Stretchable Carbon-Based Sensors and Actuators for Soft Robots. <i>Nanomaterials</i> , 2023, 13, 316.	4.1	7
37624	Optimization Design of Laminated Functionally Carbon Nanotube-Reinforced Composite Plates Using Deep Neural Networks and Differential Evolution. <i>International Journal of Computational Methods</i> , 2023, 20, .	1.3	2
37625	Functionalized Carbon Nanoparticles as Theranostic Agents and Their Future Clinical Utility in Oncology. <i>Bioengineering</i> , 2023, 10, 108.	3.5	0
37626	Computational Investigation of Chirality-Based Separation of Carbon Nanotubes Using Tripeptide Library. <i>Biomolecules</i> , 2023, 13, 175.	4.0	0
37627	Non-negligible roles of charge transfer excitons in ultrafast excitation energy transfer dynamics of a double-walled carbon nanotube. <i>Journal of Chemical Physics</i> , 2023, 158, .	3.0	2
37628	After a Century of Research into Environmental Mutagens and Carcinogens, Where Do We Stand?. <i>International Journal of Environmental Research and Public Health</i> , 2023, 20, 1040.	2.6	3
37629	Exponential stabilization for carbon nanotubes modeled as Timoshenko beams with thermoelastic effects. , 0, , .		0
37630	An Overview of Nanomaterials: History, Fundamentals, and Applications. , 2023, , 1-26.		1
37631	Formation Mechanisms of Hydroxyl-Rich Carbon Layers on Carbon Nanotube Surfaces for Promoting the Hydrolysis of Cellulose to Sugar. <i>ACS Applied Nano Materials</i> , 2023, 6, 588-597.	5.0	3
37632	Greenhouse Gas Detection Based on Infrared Nanophotonic Devices. <i>IEEE Open Journal of Nanotechnology</i> , 2023, 4, 10-22.	2.0	0
37633	Formation of Amorphous Carbon Multi-Walled Nanotubes from Random Initial Configurations. <i>Physica Status Solidi (B): Basic Research</i> , 2023, 260, .	1.5	8

#	ARTICLE	IF	CITATIONS
37634	Effect of Multi-Walled Carbon Nanotubes on the Growth and Expression of Stress Resistance Genes in Birch. Forests, 2023, 14, 163.	2.1	4
37635	Nano-engineered Material and Remediation Strategy. Environmental Footprints and Eco-design of Products and Processes, 2023, , 179-199.	1.1	1
37636	Structure-Preserving Analysis of the Dynamics of Micro/Nano Systems. , 2023, , 331-397.		0
37637	Multiscale Theories and Applications: From Microstructure Design to Macroscopic Assessment for Carbon Nanotubes Networks. Chinese Journal of Mechanical Engineering (English Edition), 2023, 36, .	3.7	4
37638	Dispersion and orientation patterns in nanorod-infused polymer melts. Journal of Chemical Physics, 2023, 158, .	3.0	3
37639	Pyrolysis-Free Mechanochemical Conversion of Small Organic Molecules into Metal-Free Heteroatom-Doped Mesoporous Carbons for Efficient Electrosynthesis of Hydrogen Peroxide. , 2023, 5, 379-387.		6
37640	Carbon nanomaterials: A growing tool for the diagnosis and treatment of diabetes mellitus. Environmental Research, 2023, 221, 115250.	7.5	11
37641	MOFs-derived advanced heterostructure electrodes for energy storage. Coordination Chemistry Reviews, 2023, 479, 214985.	18.8	19
37642	Saddle-shaped aza-nanographene with multiple odd-membered rings. Chemical Science, 2023, 14, 2353-2360.	7.4	14
37643	Thermodynamic irreversibility analysis of water conveying argentum and titania nanoparticles subject to inclined stretching surface. Physica Scripta, 2023, 98, 025205.	2.5	21
37644	Effect of the state of catalytic nanoparticles on the growth of vertically aligned carbon nanotubes. IEICE Transactions on Electronics, 2023, , .	0.6	0
37645	Impacts of doping cadmium atoms on the mechanical properties of (n,0) zigzag SWCNTs: DFT approach. Diamond and Related Materials, 2023, 133, 109681.	3.9	1
37646	Recent Progress of Hollow Carbon Nanocages: General Design Fundamentals and Diversified Electrochemical Applications. Advanced Science, 2023, 10, .	11.2	23
37647	Bisphenol-A“Carbon Nanotube Nanocomposite: Interfacial DFT Prediction and Experimental Strength Testing. Langmuir, 2023, 39, 1051-1060.	3.5	5
37648	Mechanical Homogenization of Transversely Isotropic CNT/GNP Reinforced Biocomposite for Wind Turbine Blades: Numerical and Analytical Study. Journal of Composites Science, 2023, 7, 29.	3.0	1
37649	A Comprehensive Review Based on Chitin and Chitosan Composites. Composites Science and Technology, 2023, , 15-66.	0.6	2
37650	A Review of Copper and Nickel Extraction from Wastewater by Emulsion Liquid Membrane (ELM). Mining, Metallurgy and Exploration, 0, , .	0.8	1
37651	The Formation Process and Mechanism of Carbon Dots Prepared from Aromatic Compounds as Precursors: A Review. Small, 2023, 19, .	10.0	27

#	ARTICLE	IF	CITATIONS
37652	CNTFET based 4-bit thermometer current steering digital to analog converter: design and analysis. Analog Integrated Circuits and Signal Processing, 2023, 114, 241-251.	1.4	1
37653	Carbon-Based Nanomaterials: Carbon Nanotube, Fullerene, and Carbon Dots. , 2023, , 27-57.		1
37654	Thermostructural properties of the Al+1.5% MWCNT nanocomposite. Applied Nanoscience (Switzerland), 0, , .	3.1	0
37655	Nanoporous adsorbents for hydrogen storage. Applied Physics A: Materials Science and Processing, 2023, 129, .	2.3	12
37656	Nonlinear Buckling Analysis of Cylindrical Nanoshells Conveying Nano-Fluid in Hygrothermal Environment. , 0, , .		0
37657	In Vivo Electrochemical Biosensors: Recent Advances in Molecular Design, Electrode Materials, and Electrochemical Devices. Analytical Chemistry, 2023, 95, 388-406.	6.5	24
37658	Biphasic impacts of graphite-derived engineering carbon-based nanomaterials on plant performance: Effectiveness vs. nanotoxicity. , 2023, 2, 113-126.		7
37659	In Situ Modification of Multi-Walled Carbon Nanotubes with Polythiophene-Based Conjugated Polymer for Information Storage. Materials, 2023, 16, 908.	2.9	0
37660	Structural, electronic and nonlinear optical properties, reactivity and solubility of the drug dihydroartemisinin functionalized on the carbon nanotube. Heliyon, 2023, 9, e12663.	3.2	3
37661	Nanostructured Al_2O_3 Synthesis Using an Arc Discharge Method and its Application as an Antibacterial Agent against XDR Bacteria. Inorganics, 2023, 11, 42.	2.7	4
37662	The Study of Interaction of Melphalan with SWCNT- BNNT Through Force Fields Molecular Mechanics and Quantum Calculations in Different Solvents and Temperatures. Letters in Organic Chemistry, 2023, 20, 657-671.	0.5	0
37663	Enhancement in NO ₂ sensing properties of SWNTs: A detailed analysis on functionalization of SWNTs with Z-Gly-OH. Journal of Materials Science: Materials in Electronics, 2023, 34, .	2.2	5
37664	Green Synthesis of Carbon Nanoparticles (CNPs) from Biomass for Biomedical Applications. International Journal of Molecular Sciences, 2023, 24, 1023.	4.1	9
37665	Oxygenated Hydrocarbons from Catalytic Hydrogenation of Carbon Dioxide. Catalysts, 2023, 13, 115.	3.5	6
37666	Graphene oxide for photonics, electronics and optoelectronics. Nature Reviews Chemistry, 2023, 7, 162-183.	30.2	92
37667	CNTFET based comparators: design, simulation and comparative analysis. Analog Integrated Circuits and Signal Processing, 2023, 114, 265-273.	1.4	6
37668	Synergetic effects of hybrid nano-blended cement on mechanical properties of conventional concrete: Experimental and analytical evaluation. Structures, 2023, 48, 1519-1536.	3.6	5
37669	Residual impact resistance behavior of concrete containing carbon nanotubes after exposure to high temperatures. Construction and Building Materials, 2023, 366, 130183.	7.2	1

#	ARTICLE	IF	CITATIONS
37670	Effect of nano-reinforcing phase on the early hydration of cement paste: A review. Construction and Building Materials, 2023, 367, 130147.	7.2	10
37671	Synthesis of bridged-organosilica nanotubes with widely adjustable inner diameter based on temperature-dependent templating by swollen mixed surfactant micelles. Microporous and Mesoporous Materials, 2023, 349, 112433.	4.4	0
37672	Discrete micro-volume suspension injection to microwave induced plasma for simultaneous determination of cadmium and lead pre-concentrated on multiwalled carbon nanotubes in optical emission spectrometry. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2023, 201, 106614.	2.9	1
37673	Postbuckled vibration behaviour of skew sandwich plates with metal foam core under arbitrary edge compressive loads using isogeometric approach. Thin-Walled Structures, 2023, 184, 110524.	5.3	8
37674	CoS nanosheets for generation of vector soliton and bound solitons in nonlinear optical fiber system. Optics and Laser Technology, 2023, 160, 109026.	4.6	8
37675	CNT coating and anchoring beads enhance interfacial adhesion in fiber composites. Composites Part A: Applied Science and Manufacturing, 2023, 167, 107427.	7.6	11
37676	Influence of the type of substrate on the properties of carbon nanotubes layer studied by Raman spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 290, 122306.	3.9	3
37677	Tunable electronic and photocatalytic properties of double-walled β -GeSe nanotubes: From infrared to visible absorption. Physica E: Low-Dimensional Systems and Nanostructures, 2023, 148, 115612.	2.7	2
37678	Novel fabricated potentiometric sensors for selective determination of carbinoxamine with different greenness evaluation perspectives. Microchemical Journal, 2023, 187, 108381.	4.5	14
37679	Scanning Electron Microscopy and Raman Spectroscopy Characterization of Structural Changes Induced by Thermal Treatment in Innovative Bio-Based Polyamide Nanocomposites. Chemosensors, 2023, 11, 28.	3.6	0
37680	An investigation on the effect of Al ₄ C ₃ on microstructure and mechanical properties of carbon nanotube reinforced aluminum composite. Ceramics International, 2023, 49, 14024-14034.	4.8	5
37681	Geometrical Stability and Nonlinear Optical Properties of Crystallogen and Pnictogen Fullerene Analogues. Journal of Physical Chemistry A, 2023, 127, 6-17.	2.5	2
37682	Nanotechnology-Enabled Biosensors: A Review of Fundamentals, Design Principles, Materials, and Applications. Biosensors, 2023, 13, 40.	4.7	44
37683	An Insight into Carbon Nanomaterial-Based Photocatalytic Water Splitting for Green Hydrogen Production. Catalysts, 2023, 13, 66.	3.5	11
37684	Effect of the Al Doping on the Sensing Behaviour of Carbon Nanotubes Toward Carbazochrome: a Computational Study. Afyon Kocatepe University Journal of Sciences and Engineering, 2022, 22, 1279-1289.	0.2	0
37685	A Comparative Study of Short Multi-Walled Carbon Nanotubes with Different Bulk Densities. Russian Journal of Physical Chemistry A, 2022, 96, 2938-2947.	0.6	0
37686	Effect of MWNT concentration on hydrogen gas sensing property of MWNT-polyaniline composite. International Journal of Hydrogen Energy, 2023, 48, 38107-38117.	7.1	0
37687	CNTFET based 2-bit Unary weighted Current Steering Digital to Analog Converter using Cascode Current Mirror Technique. , 2022, , .		2

#	ARTICLE	IF	CITATIONS
37688	Native and Irradiation-Induced Defects in Graphene: What Can We Learn from Atomistic Simulations?. , 2011, , 334-376.		0
37689	Density Functional Calculations of NMR Chemical Shifts in Carbon Nanotubes. , 2011, , 279-306.		0
37690	Computational Study of the Formation of Inorganic Nanotubes. , 2011, , 307-333.		0
37691	Advanced fiber-reinforced polymer (FRP) composite materials for sustainable energy technologies. , 2013, , 637-673.		0
37692	Carbon nanotubes for CO2 capture and conversion. , 2023, , 245-260.		0
37693	Carbon nanomaterials: Fundamentals, functionalization, and applications. , 2023, , 91-105.		0
37694	Autonomous experimentation in nanotechnology. , 2023, , 331-360.		0
37695	Chemical sensing of food phenolics and antioxidant capacity. , 2023, , 593-646.		0
37697	Organic and inorganic nanoparticles. , 2023, , 93-119.		0
37698	Towards atom manufacturing with framework nucleic acids. Nanotechnology, 2023, 34, 172002.	2.6	1
37699	Fullerene grafted polymers: Covalent means. , 2023, , 21-42.		0
37700	Enhanced electrical properties of microcellular polymer nanocomposites <i>via</i> nanocarbon geometrical alteration: a comparison of graphene nanoribbons and their parent multiwalled carbon nanotubes. Materials Horizons, 2023, 10, 1392-1405.	12.2	4
37702	1D and 2D Field Effect Transistors in Gas Sensing: A Comprehensive Review. Small, 2023, 19, .	10.0	21
37703	Catalyst Design: Counter Anion Effect on Ni Nanocatalysts Anchored on Hollow Carbon Spheres. Nanomaterials, 2023, 13, 426.	4.1	0
37704	Analysis of aligned magnetic field, flow separation and stability in a porous medium saturated by hybrid nanofluids. Journal of Thermal Analysis and Calorimetry, 2023, 148, 3765-3781.	3.6	2
37705	Effect of MWCNTs and heat treatment on coefficient of friction and wear characteristics of MWCNTs reinforced Al6082 composites under dry sliding condition. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622211484.	2.1	0
37706	Functionalization of carbon nanotubes: A multifaceted and upcoming diagnostic tool in the clinical domain. , 2023, , 417-436.		0
37707	Carbon-based smart nanomaterials. , 2023, , 3-24.		1

#	ARTICLE	IF	CITATIONS
37708	Functionalization of carbon nanotube. , 2023, , 61-93.		0
37709	Modification and Application of Carbon Nanotubes for the Removal of Emerging Contaminants from Wastewater: A Review. , 0, , .		0
37710	Polymer nanocomposites for dielectric and energy storage applications. , 2023, , 435-460.		1
37711	Self-supervised Orientation-Guided Deep Network forÂSegmentation ofÂCarbon Nanotubes inÂSEM Imagery. Lecture Notes in Computer Science, 2023, , 412-428.	1.3	4
37712	Experimental and theoretical investigations of covalent functionalization of 1D/2D carbon-based buckypaper via aryl diazonium chemistry for high-performance energy storage. Carbon, 2023, 205, 402-410.	10.3	4
37713	Carbonaceous nanofillers in polymer matrix. , 2023, , 23-53.		0
37714	Inorganic pollutants and their degradation with nanomaterials. , 2023, , 57-95.		0
37715	Design, mechanism, and performance of cement-based materials with 1D nanomaterials. , 2023, , 93-126.		0
37716	Supercapacitorsâ€”new developments. , 2023, , 39-64.		0
37717	Assessment of carbon nanotubeâ€™s bulk density property for improving flexural aspects of reinforcement steel-less concrete in construction projects-II. Applied Nanoscience (Switzerland), 0, , .	3.1	0
37718	Theories and mechanisms of thermal conduction. , 2023, , 57-77.		0
37719	Potential applications of chemiresistive gas sensors. , 2023, , 223-245.		0
37720	Effect of Carboxymethyl Cellulose (CMC) Functionalization on Dispersion, Mechanical, and Corrosion Properties of CNT/Epoxy Nanocomposites. Chinese Journal of Polymer Science (English) Tj ETQq0 0 0 rgBT.4 Overlook 10 Tf 50		0
37721	Interlaminar properties of carbon nanotubes modified carbon fibre fabric reinforced polyimide composites. Journal of Composite Materials, 2023, 57, 1277-1288.	2.4	4
37722	Multiscale modeling of CNT-based nanocomposites with soft/hard interphase effects. Acta Mechanica, 2023, 234, 2045-2058.	2.1	1
37723	Aggregation-Induced Emission-Active Nanostructures: Beyond Biomedical Applications. ACS Nano, 2023, 17, 1845-1878.	14.6	34
37724	Solarâ€”Thermal Fuels and the Role of Carbon Nanomaterials: A Perspective with Emphasis on the Azobenzene System. Energy & Fuels, 2023, 37, 1731-1756.	5.1	3
37725	Ultimate tensile behavior of short singleâ€”wall carbon nanotube/epoxy composites and the reinforced mechanism. Polymer Composites, 2023, 44, 2545-2556.	4.6	5

#	ARTICLE	IF	CITATIONS
37726	Nanotubes and water-channels from self-assembling dipeptides. Journal of Materials Chemistry B, 2023, 11, 5378-5389.	5.8	5
37727	Low-voltage Driven Ionic Polymer-metal Composite Actuators: Structures, Materials, and Applications. Advanced Science, 2023, 10, .	11.2	21
37728	In-Situ Gas Transmission Electron Microscopy. , 2023, , 251-325.		1
37729	Novel materials-based devices to mitigate challenges. , 2023, , 119-157.		0
37730	Carbon-based nanomaterials. , 2023, , 3-39.		3
37731	Fullerene: Fundamentals and state-of-the-art. , 2023, , 1-19.		0
37732	Damped waves under nonlocal Euler-Bernoulli and extended Green-Naghdi II theories in radiating thermoelastic nanobeams. Acta Mechanica, 2023, 234, 2077-2085.	2.1	2
37733	Carbon nanotubes and other carbon nanomaterials: Prospects for functionalization. , 2023, , 107-147.		2
37735	Properties, classification, synthesis, purification and characterization of carbon nanotubes. , 2023, , 37-59.		0
37736	Nanofluids for CO2 capture. , 2023, , 89-135.		1
37737	Acid enhanced zipping effect to densify MWCNT packing for multifunctional MWCNT films with ultra-high electrical conductivity. Nature Communications, 2023, 14, .	12.8	15
37738	Covalent Carbon Nanotube and Fullerene Hybrid Structures: Mini-Review. Surface Review and Letters, 0, , .	1.1	0
37739	Theoretical and experimental studies of nucleation and interface structure between carbon nanotubes and metals. Journal of Materials Science, 2023, 58, 1086-1098.	3.7	1
37740	Ionic liquids: environmentally sustainable materials for energy conversion and storage applications. Environmental Science and Pollution Research, 2024, 31, 10296-10316.	5.3	6
37741	Fabrication and Characterization of Carbon Nanotube/Bismaleimide Nanocomposite Laminates with Ultrahigh Nanofiber Volume Fraction. , 2023, , .		2
37742	Characteristics of a new class of lightweight and tailorable 3D fiber metal laminates. , 2023, , 51-91.		0
37743	Carbon nanotube-based gas sensors. , 2023, , 83-103.		0
37744	Carbon nanotubes for anticancer therapy: new trends and innovations. , 2023, , 175-204.		0

#	ARTICLE	IF	CITATIONS
37745	Fabrication and Characterization of Carbon Nanotube/Silicon Carbide Nanocomposite Laminates. , 2023, , .		1
37746	In-situ Synthesis of $\text{P}^{3/4}\text{N}$ -Doped Carbon Nanofibers for Single-Atom Catalytic Hydrosilylation. Advanced Materials, 0, , 2209310.	21.0	8
37747	Design of "A type carbon nanohoops with enhanced nonlinear optical response: a size-dependent effect study. New Journal of Chemistry, 2023, 47, 5390-5398.	2.8	3
37748	Thermal degradation of polymer (nano)composites. , 2023, , 251-286.		0
37749	Fundamentals and functionalization of CNTs and other carbon nanomaterials. , 2023, , 77-90.		0
37750	Background of carbon nanotubes for drug delivery systems. , 2023, , 1-35.		0
37751	Polymer composites for biosensors. , 2023, , 323-342.		3
37752	A review: Impact of surface treatment of nanofillers for improvement in thermo mechanical properties of the epoxy based nanocomposites. Materials Today: Proceedings, 2023, 78, 164-172.	1.8	9
37753	Adsorption Mechanism and Electronic Characteristics of TiO_2 and $(\text{TiO}_2)_{2/2}$ Nanoparticles Doped GaNNT for SO_2 , SO_2/F_2 , and SO_2 Detection and Scavenging. IEEE Transactions on Dielectrics and Electrical Insulation, 2023, 30, 1197-1204.	2.9	0
37754	Folic acid functionalized carbon nanotubes as pH controlled carriers of fluorouracil: Molecular dynamics simulations. Journal of Molecular Liquids, 2023, 377, 121393.	4.9	6
37755	Sensitive electrochemical detection of enrofloxacin in eggs based on carboxylated multi-walled carbon nanotubes-reduced graphene oxide nanocomposites: Molecularly imprinted recognition versus direct electrocatalytic oxidation. Food Chemistry, 2023, 413, 135579.	8.2	11
37756	Hierarchical mode I interlaminar toughening of unidirectional CFRP laminates by the synergistic effects of CNT powders and veils. Composites Part A: Applied Science and Manufacturing, 2023, 168, 107464.	7.6	9
37757	Water filling in carbon nanotubes with different wettability and implications on nanotube/water heat transfer via atomistic simulations. International Journal of Heat and Mass Transfer, 2023, 205, 123868.	4.8	4
37758	VISCOELASTIC PROPERTIES OF SILICONE RUBBER WITH ADDITION OF CARBON NANOTUBES. Journal of Applied Mechanics and Technical Physics, 2022, 63, 884-890.	0.5	2
37759	Synthesis of nanocomposite materials with montmorillonite and multiwalled carbon nanotubes. Himi, Himijn Tehnologijn H ¹ r ¹ l ¹ ngijn ¹ r ¹ d ¹ m ¹ in ¹ ilg ¹ ni ¹ j B ¹ t ¹ l ¹ , 2022, , 100-106.	0.2	0
37760	Neuroprotection of silver nanowires (Ag NWs) with different sizes in stroke. Materials Express, 2022, 12, 1583-1587.	0.5	0
37761	Comparison of Optoelectronic Characteristics of Carbon Thin Films Electrodeposited on Silicon and Zinc Substrates. , 2022, , .		0
37762	Prospects and future perspectives of electronic materials for solar energy applications. , 2023, , 281-296.		0

#	ARTICLE	IF	CITATIONS
37763	Mechanical and thermal properties of graphyne-coated carbon nanotubes: a molecular dynamics simulation on one-dimensional all-carbon van der Waals heterostructures. Physical Chemistry Chemical Physics, 2023, 25, 8651-8663.	2.8	3
37764	Mechanical properties of epoxy/carbon nanotube composites. , 2023, , 75-87.		0
37765	Biocompatible Carbon-Coated Magnetic Nanoparticles for Biomedical Applications. Materials Horizons, 2023, , 955-986.	0.6	0
37766	Effect of temperature on the dielectric relaxation behavior of single-walled carbon nanotubes and Poly(Vinyl alcohol) based nanocomposite. AIP Conference Proceedings, 2023, , .	0.4	0
37767	Exploring anodes for calcium-ion batteries. Materials Advances, 2023, 4, 2028-2041.	5.4	8
37768	Graphene Catalysis Made Easy. , 2024, , 580-593.		0
37769	Investigation of the Mechanical Characteristics of the Modified PCM for Use in the Aerospace Industry. Springer Aerospace Technology, 2023, , 199-205.	0.3	0
37770	Upcycling of waste plastics to carbon nanomaterials. , 2023, , 101-126.		2
37771	Cytotoxicity Analysis for the Hydroxyl Functionalized MWCNT Reinforced PMMA Nanocomposites in Oral Squamous Carcinoma (KB) Cells. Polymers, 2023, 15, 1192.	4.5	2
37772	Novel carbon nanotube field effect transistor based dual output secondâ€¢generation current conveyor: Design and applications. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 2023, 36, .	1.9	0
37773	Characteristics of Electrical Heating and Sensing Properties for CNTs/GNs Polyester-Knitted Fabrics Based on Network Structure. Fibers and Polymers, 2023, 24, 1139-1148.	2.1	4
37774	Recent progress of photodetector based on carbon nanotube film and application in optoelectronic integration. , 2023, 2, e9120058.		18
37775	Graphynes and Graphdiynes for Energy Storage and Catalytic Utilization: Theoretical Insights into Recent Advances. Chemical Reviews, 2023, 123, 4795-4854.	47.7	28
37776	Non-toxic CuInS2 quantum dot sensitized solar cell with functionalized thermoplast polyurethane gel electrolytes. Polymer, 2023, 269, 125708.	3.8	2
37777	The influence of single carbon atom impurity on the electronic transport of (6, 3) two side-closed single-walled boron nitride nanotubes. Journal of Molecular Modeling, 2023, 29, .	1.8	0
37778	Raman spectroscopy used for estimating the effective elastic modulus of carbon nanotubes in aligned multi-walled carbon nanotubes/ epoxy composites under tensile loading. Composites Part A: Applied Science and Manufacturing, 2023, 167, 107448.	7.6	2
37779	Preparation of CNT@NiM-OH nanocomposites for high-performance supercapacitors. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-10.	2.1	0
37780	Influence of Reaction Temperature on Yields of Multi-Walled CNTs Synthesized with Fe-Co/Al<sub>2</sub>O<sub>3</sub> Bimetallic Nanocatalyst. Materials Science Forum, 0, 1083, 89-95.	0.3	0

#	ARTICLE	IF	CITATIONS
37781	Porosity-dependent impact study of a plate with Winkler-Pasternak elastic foundations reinforced with agglomerated CNTs. Aircraft Engineering and Aerospace Technology, 2023, ahead-of-print, .	1.2	1
37782	Sensing abilities of embedded vertically aligned carbon nanotube forests in structural composites: From nanoscale properties to mesoscale functionalities. Composites Part B: Engineering, 2023, 255, 110587.	12.0	1
37783	Carbon nanomaterials-PEDOT: PSS based electrochemical ionic soft actuators: Recent development in design and applications. Sensors and Actuators A: Physical, 2023, 354, 114277.	4.1	7
37784	Asymmetric Vibrations of Functionally Graded Annular Nanoplates under Thermal Environment Using Nonlocal Elasticity Theory with Modified Nonlocal Boundary Conditions. Journal of Engineering Mechanics - ASCE, 2023, 149, .	2.9	2
37785	Assessment of synthesized chitosan/halloysite nanocarrier modified by carbon nanotube for pH-sensitive delivery of curcumin to cancerous media. International Journal of Biological Macromolecules, 2023, 237, 123937.	7.5	12
37786	Development of thermally stable carbon nanotube tapes by incorporating FeCl ₃ . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, 291, 116361.	3.5	0
37787	Carbon nanotubes rolled from Me-graphene. Diamond and Related Materials, 2023, 135, 109845.	3.9	4
37788	Thin film flow of the ternary hybrid nanofluid over a rotating disk under the influence of magnetic field due to nonlinear convection. Journal of Magnetism and Magnetic Materials, 2023, 573, 170673.	2.3	15
37789	Colossal enhancement of electrical and mechanical properties of graphene nanoscrolls. Carbon, 2023, 208, 140-147.	10.3	3
37790	Ramped heating in CNTs fractional nanofluids. Case Studies in Thermal Engineering, 2023, 45, 102836.	5.7	4
37791	A new tetragonal superhard carbon allotrope with unusual stress-strain behavior. Solid State Communications, 2023, 366-367, 115153.	1.9	0
37792	Processing of Co-base/C-nanotubes compound coatings on D2 steel using plasma transferred by arc: Tribological and mechanical performance. Surface and Coatings Technology, 2023, 461, 129458.	4.8	2
37793	Thermal buckling and vibration analysis of rotating porous FG GNPs-reinforced Reddy microplates. Aerospace Science and Technology, 2023, 137, 108298.	4.8	9
37794	Raman spectroscopy of carbon materials and their composites: Graphene, nanotubes and fibres. Progress in Materials Science, 2023, 135, 101089.	32.8	120
37795	CdS based heterojunction for water splitting: A review. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2023, 292, 116413.	3.5	10
37796	Second hyperpolarizabilities of alkali- and alkaline-earth-doped boron nitride nanotubes. Chemical Physics Letters, 2023, 821, 140473.	2.6	0
37797	Tunable Functionality of Pure Nano Cu- and Cu-based Oxide Flexible Conductive Thin Film with Superior Surface Modification. Surfaces and Interfaces, 2023, 38, 102819.	3.0	6
37798	Switching the locus of oxygen reduction and evolution reactions between spinel active phase and carbon carrier upon heteroatoms doping. Catalysis Today, 2023, 418, 114043.	4.4	1

#	ARTICLE	IF	CITATIONS
37799	Electrical conduction mechanism in carbon-ceramic composites. Materials Research Bulletin, 2023, 162, 112188.	5.2	0
37800	Elastic and inelastic behavior of boron nitride nanocones at finite strains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2023, 473, 128812.	2.1	0
37801	Functional materials contributing to the removal of chlorinated hydrocarbons from soil and groundwater: Classification and intrinsic chemical-biological removal mechanisms. Science of the Total Environment, 2023, 879, 163011.	8.0	4
37802	A refined model for the effective tensile stiffness of Carbon NanoTube fibers. International Journal of Mechanical Sciences, 2023, 251, 108303.	6.7	1
37803	Carbon nanomaterial-based molecularly imprinted polymer sensors for detection of hazardous substances in food: Recent progress and future trends. Food Chemistry, 2023, 420, 136100.	8.2	17
37804	Determine the Complete Configuration of Single-Walled Carbon Nanotubes by One Photograph of Transmission Electron Microscopy. Advanced Science, 0, , .	11.2	1
37805	Rapid room temperature degradation of carbon nanotubes by sodium hypochlorite and UV-light irradiation. Carbon, 2023, 208, 238-246.	10.3	2
37806	Origin of metallic-like behavior in disordered carbon nano-onions. Carbon, 2023, 208, 303-310.	10.3	1
37807	Boron Nitride quantum dots: A rising star in sensing applications. , 2023, 2, 100008.		4
37808	Review on lignocellulose valorization for nanocarbon and its composites: Starting from laboratory studies to business application. International Journal of Biological Macromolecules, 2023, 239, 124082.	7.5	2
37809	In silico investigation of metalophthalocyanine substituted in carbon nanocones (TM-PhCCNC, TM=) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Molecular Structure, 2023, 1284, 135263.	3.6	7
37810	Planar, curved and twisted molecular nanographenes: Reduction-induced alkali metal coordination. Coordination Chemistry Reviews, 2023, 486, 215144.	18.8	6
37817	Electrohydrodynamic printing for demanding devices: A review of processing and applications. Nanotechnology Reviews, 2022, 11, 3305-3334.	5.8	8
37818	Machine learning prediction of 28-day compressive strength of CNT/cement composites with considering size effects. Composite Structures, 2023, 308, 116713.	5.8	7
37819	Analytical analysis of steady flow of nanofluid, viscous dissipation with convective boundary condition. Thermal Science, 2022, 26, 405-410.	1.1	4
37820	Improved field emission stability with a high current density of decorated CNTs for electron emission devices. Journal of Materials Science: Materials in Electronics, 2023, 34, , .	2.2	3
37821	Carbon nanotubes assisted fly ash for cement reduction on the premise of ensuring the stability of the grouting materials. Construction and Building Materials, 2023, 368, 130476.	7.2	7
37822	Carbon nanomaterials: Types, synthesis strategies and their application as drug delivery system for cancer therapy. Biochemical Engineering Journal, 2023, 192, 108828.	3.6	14

#	ARTICLE	IF	CITATIONS
37823	Stimuli Responsiveness in Nano and Micro Materials. , 2016, , 152-198.		0
37824	Effect of Load on Wear and Friction of AlSi/MWCNT Functionally Graded Material Via Powder Metallurgy with Hot Extrusion Technique. Material Science Research India, 2022, 19, 142-149.	0.7	0
37825	Advances and Environmental Aspects on the Synthesis of Hierarchical Zeolites Revisited: a state-of-the-art description. Journal of Environmental Chemical Engineering, 2023, 11, 109397.	6.7	7
37826	Nanomaterials for Molecular Detection and Analysis of Extracellular Vesicles. Nanomaterials, 2023, 13, 524.	4.1	2
37827	MWCNTs polymer nanocomposite with enhanced thermomechanical properties and electrical insulation for effective encapsulation. Materials Research Express, 2023, 10, 025003.	1.6	4
37828	Influence of carbon nanotube on properties of concrete: A review. Construction and Building Materials, 2023, 369, 130388.	7.2	56
37829	Research Progress of Resonance Optical Fiber Sensors Modified by Lowâ€Dimensional Materials. Laser and Photonics Reviews, 2023, 17, .	8.7	9
37830	Analytical forms of the coefficients of the factored characteristic polynomials for zigzag SWCNT graphs. Journal of the Indian Chemical Society, 2023, 100, 100929.	2.8	0
37831	Significance of thermo-diffusion and chemical reaction on MHD Casson fluid flows conveying CNTs over a porous stretching sheet. Waves in Random and Complex Media, 0, , 1-19.	2.7	6
37832	Design of CNTFET based Ternary Subtractor using Unary Operators. , 2022, , .		1
37833	Recent Advances in the Spintronic Application of Carbon-Based Nanomaterials. Nanomaterials, 2023, 13, 598.	4.1	5
37834	Dispersion Free Energy of Carbon Nanotubes in Water Systems. Chemistry Letters, 2023, 52, 156-159.	1.3	0
37835	Evaluation of the frequency characteristics of cntTSP measurement for unsteady low-speed flow. Measurement Science and Technology, 2023, 34, 065301.	2.6	3
37836	Decoration of Polyfluorene-Wrapped Carbon Nanotubes with Photocleavable Side-Chains. Molecules, 2023, 28, 1471.	3.8	0
37837	Electroanalytical Overview: The Determination of Levodopa (L-DOPA). ACS Measurement Science Au, 2023, 3, 84-97.	4.4	7
37838	Optical properties of polystyrene with carbon nanotube and carbon nano incorporated and surface morphology studies. International Nano Letters, 0, , .	5.0	1
37839	Dynamic analysis of boron nitride nanotube using different boundary conditions under influence of vacancy defect: Insights from finite element method. Materials Today: Proceedings, 2023, , .	1.8	1
37840	Fullerene grafting in polymeric nanocompositeâ€a promising strategy. Polymer-Plastics Technology and Materials, 2023, 62, 935-948.	1.3	1

#	ARTICLE	IF	CITATIONS
37841	Synthesis and Interlayer Assembly of a Graphenic Bowl with Peripheral Selenium Annulation. Journal of the American Chemical Society, 2023, 145, 3289-3293.	13.7	1
37842	Nonlinear Vibrations of Carbon Nanotubes with Thermal-Electro-Mechanical Coupling. Applied Sciences (Switzerland), 2023, 13, 2031.	2.5	0
37843	The combined use of carbon nanotubes with synthetic ceramics enhances posterolateral fusion: an experimental study in a rat spinal fusion model. Spine Deformity, 0, , .	1.5	0
37844	Electroanalytical biosensor based on GOx/FCA/PEG-modified SWCNT electrode for determination of glucose. Journal of Analytical Science and Technology, 2023, 14, .	2.1	1
37845	Synergistic Effects of Carbon Nanotube (CNT) and Reduced Graphene Oxide (RGO) on Mechanical and Thermal Properties of ZK61 Alloy. Acta Metallurgica Sinica (English Letters), 0, , .	2.9	1
37846	In-Situ Biasing TEM. , 2023, , 105-149.		0
37847	Synthesis and Structural Studies of New Selenium Derivatives Based on Covalent Functionalization of MWCNTs. International Journal of Molecular Sciences, 2023, 24, 3299.	4.1	1
37848	A Fourfold Gold(I)-Aryl Macrocycle with Hyperbolic Geometry and its Reductive Elimination to a Carbon Nanoring Host. Angewandte Chemie - International Edition, 2023, 62, .	13.8	7
37849	Ein vierfacher Gold(I)-Aryl-Makrozyklus mit hyperbolischer Geometrie und dessen reduktive Eliminierung zu einem Kohlenstoffnanoring. Wirt. Angewandte Chemie, 2023, 135, .	2.0	0
37850	Engineering of Hydrogenated (6,0) Single-Walled Carbon Nanotube under Applied Uniaxial Stress: A DFT-1/2 and Molecular Dynamics Study. ACS Omega, 2023, 8, 6895-6907.	3.5	1
37851	Recent advances in new generation nanocomposite materials for adsorption of pharmaceuticals from aqueous environment. Environmental Science and Pollution Research, 2023, 30, 39377-39417.	5.3	21
37852	CONTRIBUTION OF NANOTECHNOLOGY IN MECHANICAL ENGINEERING AND AGRICULTURAL FIELD. Towards Excellence, 0, , 488-496.	0.0	0
37853	Advantages of using nanobiotechnology in enhancing the economic status of the country. , 2023, , 369-392.		1
37854	Implementation and Investigation of Quantum Characteristics of Cytosine Single -walled Nanotube Transistor: A DFT Based Approach. , 2022, , .		0
37855	New oil derivative refractive index sensor using ribbon of multi-walled carbon nanotubes. Optik, 2023, 276, 170644.	2.9	3
37858	The Influence of Surfactants on the Deposition and Performance of Single-Walled Carbon Nanotube-Based Gas Sensors for NO2 and NH3 Detection. Chemosensors, 2023, 11, 127.	3.6	4
37862	Unraveling the dispersion mechanism of carbon nanotubes in aluminum powder particles during high energy ball milling by FIB-TEM study. Powder Technology, 2023, 419, 118339.	4.2	4
37863	Free Vibration Analysis of Functionally Graded Carbon Nanotube-Reinforced Higher Order Refined Composite Beams Using Differential Quadrature Finite Element Method. European Journal of Computational Mechanics, 0, , .	0.0	2

#	ARTICLE	IF	CITATIONS
37865	Additive Manufacturing of Carbon Using Commodity Polypropylene. Advanced Materials, 2023, 35, .	21.0	11
37867	A novel process for the treatment of steelmaking converter dust: Selective leaching and recovery of zinc sulfate and synthesis of iron oxides@HTCC photocatalysts by carbonizing carbohydrates. Hydrometallurgy, 2023, 217, 106039.	4.3	4
37870	Carbon Nanotubes and Nucleic Acids. , 2022, , 1-38.		0
37871	Comparison study of vibration frequencies and electronic properties by quantum mechanical calculation for open geodesic polyarene molecules. AIP Conference Proceedings, 2023, , .	0.4	0
37872	Oxidized-Multiwalled Carbon Nanotubes as Non-Toxic Nanocarriers for Hydroxytyrosol Delivery in Cells. Nanomaterials, 2023, 13, 714.	4.1	4
37873	Synthesis of covalent organic pillars as molecular nanotubes with precise length, diameter and chirality. , 2023, 2, 395-402.		24
37874	A review on surface functionalization of carbon nanotubes: methods and applications. , 2023, 18, .		9
37875	Improvement of resistive switching in In-CsPbI_3 devices by inserting carbon nanotube. Physica Scripta, 2023, 98, 035025.	2.5	0
37876	Numerical thermal analysis of armchair (6,6) and zig-zag (12,0) carbon nano-tubes (CNTs). Mechanics of Advanced Materials and Structures, 0, , 1-18.	2.6	0
37877	Outstanding Robust Photo- and Thermo-Electric Applications with Stabilized n-Doped Carbon Nanotubes by Parylene Coating. ACS Applied Materials & Interfaces, 2023, 15, 9873-9882.	8.0	4
37878	Kohlenstoffgruppe: Elemente der vierten Hauptgruppe. , 2022, , 1-66.		0
37879	Deformation of nanowires and nanotubes. Europhysics Letters, 2023, 141, 52001.	2.0	1
37880	Specific Surface Area Versus Adsorptive Capacity: an Application View of 3D Graphene-Based Materials for the Removal of Emerging Water Pollutants. Water, Air, and Soil Pollution, 2023, 234, .	2.4	3
37881	A Greenâ€™s function-tight-binding-based approach for T-graphene analysis. Applied Physics A: Materials Science and Processing, 2023, 129, .	2.3	0
37882	Emerging Nanoparticles in Food: Sources, Application, and Safety. Journal of Agricultural and Food Chemistry, 2023, 71, 3564-3582.	5.2	20
37883	Review on Hybrid Reinforced Polymer Matrix Composites with Nanocellulose, Nanomaterials, and Other Fibers. Polymers, 2023, 15, 984.	4.5	12
37884	Theoretical understanding of stability of mechanically interlocked carbon nanotubes and their precursors. Physical Chemistry Chemical Physics, 2023, 25, 7527-7539.	2.8	2
37885	COVIDâ€™19: Prevention, Detection, and Treatment by Using Carbon Nanotubesâ€™Based Materials. ChemistrySelect, 2023, 8, .	1.5	0

#	ARTICLE	IF	CITATIONS
37886	Single-walled carbon nanotubes patterned as aromatic element rings through chemical refluxation method. <i>Materials Today: Proceedings</i> , 2023, , .	1.8	0
37887	Mode I interlaminar fracture characteristics of CNTs doped woven and unidirectional CFRP via acoustic emission. <i>Theoretical and Applied Fracture Mechanics</i> , 2023, 124, 103812.	4.7	3
37888	Defect-Induced Transport Enhancement in Carbonâ€“Boron Nitrideâ€“Carbon Heteronanotube Junctions. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 2056-2064.	4.6	2
37889	Recent Developments in the Utilization of Nanomaterials for Sensing Platforms. <i>ACS Symposium Series</i> , 0, , 61-99.	0.5	4
37890	Coaxial heterostructure formation of highly crystalline graphene flakes on boron nitride nanotubes by high-temperature chemical vapor deposition. <i>Applied Physics Express</i> , 2023, 16, 035001.	2.4	0
37891	Recent advances in carbon-based materials for high-performance perovskite solar cells: gaps, challenges and fulfillment. <i>Nanoscale Advances</i> , 2023, 5, 1492-1526.	4.6	7
37892	A Simple Method for the Synthesis of a Coral-like Boron Nitride Micro-/Nanostructure Catalyzed by Fe. <i>Nanomaterials</i> , 2023, 13, 753.	4.1	2
37893	High thermoelectric performance of flexible nanocomposite films based on Bi ₂ Te ₃ nanoplates and carbon nanotubes selected using ultracentrifugation. <i>Scientific Reports</i> , 2023, 13, .	3.3	15
37894	Assembly of Nanowires into Macroscopic One-Dimensional Fibers in Liquid State. <i>Advanced Fiber Materials</i> , 0, , .	16.1	0
37895	Ligandâ€“Triggered Selfâ€“Assembly of Flexible Carbon Dot Nanoribbons for Optoelectronic Memristor Devices and Neuromorphic Computing. <i>Advanced Science</i> , 2023, 10, .	11.2	18
37896	Influence of the MWCNTs on the properties of the HDPEâ€“+â€“X% MWCNTs nanocomposites. <i>Applied Nanoscience (Switzerland)</i> , 0, , .	3.1	1
37897	Hematite: A Good Catalyst for the Thermal Decomposition of Energetic Materials and the Application in Nano-Thermite. <i>Molecules</i> , 2023, 28, 2035.	3.8	4
37898	MXene Fiber-based Wearable Textiles in Sensing and Energy Storage Applications. <i>Fibers and Polymers</i> , 2023, 24, 1167-1182.	2.1	4
37899	Review on Biomedical Advances of Hybrid Nanocomposite Biopolymeric Materials. <i>Bioengineering</i> , 2023, 10, 279.	3.5	2
37900	Aligned Carbon Nanotube Arrays with Germanium Protective Layers for Improving the Performance of Radio Frequency Transistors. <i>ACS Applied Nano Materials</i> , 2023, 6, 3293-3302.	5.0	0
37901	Tribological Properties of CNTs-Reinforced Nano Composite Materials. <i>Lubricants</i> , 2023, 11, 95.	2.9	8
37902	Recent Applications of Carbon Nanotubes for Separation and Enrichment of Lead Ions. <i>Separations</i> , 2023, 10, 152.	2.4	6
37903	Synthesis of an all-carbon conjugated polymeric segment of carbon nanotubes and its application for lithium-ion batteries. <i>Nano Research</i> , 2023, 16, 10342-10347.	10.4	11

#	ARTICLE	IF	CITATIONS
37904	Vapor-Phase Indium Intercalation in van der Waals Nanofibers of Atomically Thin W ₆ Te ₆ Wires. ACS Nano, 2023, 17, 5561-5569.	14.6	3
37905	Acid-modified CNT/Zinc Oxide nanowires based high performance broadband photodetector. Scientific Reports, 2023, 13, .	3.3	2
37906	Optimal Selection of Parameters for Production of Multiwall Carbon Nanotubes (MWCNTs) by Electrolysis in Molten Salts using Machine Learning. , 2022, 8, 16-23.		0
37907	On interfacial stress transmission of carbon nanotubes/alumina composites. Materials Research Express, 2023, 10, 036505.	1.6	0
37908	Time-Dependent Density Functional Theory, AIM Analysis, NLO, and Thermodynamic Properties of Propofol and Adsorption Effects of Propofol Drug over Carbon Nanotube (C ₅₆ H ₁₆) as the Factor of Drug Delivery System. Macromolecular Symposia, 2023, 407, .	0.7	0
37909	Structural investigation of carbon nanocone through topological coindices. International Journal of Quantum Chemistry, 2023, 123, .	2.0	6
37910	Influence of carbon nanotube suspensions on Casson fluid flow over a permeable shrinking membrane: an analytical approach. Scientific Reports, 2023, 13, .	3.3	3
37911	Mode-Locked Fiber Laser Sensors with Orthogonally Polarized Pulses Circulating in the Cavity. Sensors, 2023, 23, 2531.	3.8	0
37912	Applications of nanomaterials for adsorptive removal of various pollutants from water bodies. , 2023, , 25-62.		0
37913	Introduction to nanoengineering and nanotechnology for biomedical applications. , 2023, , 1-34.		0
37914	Graphene quantum dots for heavy metal detection and removal. , 2023, , 157-181.		0
37915	Oil adsorption performance of tubular hypercrosslinked polymer and carbon nanofibers. , 2023, , 153-182.		1
37916	Sensor to Electronics Applications of Graphene Oxide through AZO Grafting. Nanomaterials, 2023, 13, 846.	4.1	17
37917	Nanoengineering and nanotechnology for diagnosis and treatment of CNS and neurological diseases. , 2023, , 55-94.		1
37918	Commercialization and economic issues of nanocomposites. , 2023, , 615-624.		0
37919	A review of fibrous graphite materials: graphite whiskers, columnar carbons with a cone-shaped top, and needle- and rods-like polyhedral crystals. New Carbon Materials, 2023, 38, 18-35.	6.1	5
37920	Heat transfer efficiency in planar and axisymmetric ternary hybrid nanofluid flows. Case Studies in Thermal Engineering, 2023, 44, 102857.	5.7	9
37921	Toward the Commercialization of Carbon Nanotube Field Effect Transistor Biosensors. Biosensors, 2023, 13, 326.	4.7	3

#	ARTICLE	IF	CITATIONS
37923	Theoretical Investigation of Diameter Effects and Edge Configuration on the Optical Properties of Graphdiyne Nanotubes in the Presence of Electric Field. Journal of the Nigerian Society of Physical Sciences, 0, , 1083.	0.0	1
37924	Induced Navier–Stokes Slip with CNTs on a Stretching/Shrinking Sheet under the Combined Effect of Inclined MHD and Radiation. Energies, 2023, 16, 2365.	3.1	3
37925	Tenon effects at drilled multi-walled carbon nanotubes to strongly enhance mechanical and luminescent properties of epoxy resin composites. Carbon, 2023, 207, 49-58.	10.3	5
37926	Mathematical modeling and solution of nonlinear vibration problem of laminated plates with CNT originating layers interacting with two-parameter elastic foundation. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2023, 45, .	1.6	5
37927	Finite element simulation of additive manufacturing process of carbon allotropes. International Journal on Interactive Design and Manufacturing, 0, , .	2.2	0
37928	Single walled carbon nanotube functionalisation in printed supercapacitor devices and shielding effect of Tin(II) Oxide. Electrochimica Acta, 2023, 448, 142168.	5.2	1
37929	An analysis of vibration and buckling behaviors of nano-composite beams reinforced with agglomerated carbon nanotubes <i>via</i> differential quadrature finite element method. Mechanics of Advanced Materials and Structures, 0, , 1-19.	2.6	7
37930	Synthesis of Carbon Nanotubes with Merocyanine Dyes Decorated Carbon Nanotubes for Biomedical Imaging Devices. Materials Horizons, 2023, , 1127-1150.	0.6	0
37931	Carbonaceous Nanostructures-Based Photocatalysts for Sustainable H ₂ Production. Materials Horizons, 2023, , 257-283.	0.6	0
37932	Ion Adsorption and Desorption in a Hollow Core of a Single-Walled Carbon Nanotube. Denki Kagaku, 2023, 91, 35-38.	0.0	0
37933	Porous Carbon-Based Sensors and Their Applications. Materials Horizons, 2023, , 381-404.	0.6	0
37934	Carbon-Based Porous Materials in Biomedical Applications: Concept and Recent Advancements. Materials Horizons, 2023, , 815-839.	0.6	0
37935	Recent Advancement of Luminescent Graphene Quantum Dots for Energy-Related Applications. Materials Horizons, 2023, , 147-164.	0.6	0
37936	Review of Flexible Supercapacitors Using Carbon Nanotube-Based Electrodes. Applied Sciences (Switzerland), 2023, 13, 3290.	2.5	10
37937	New Class of Sensors: Smart Materials Finds Their Way. , 2023, , 83-94.		0
37938	Highly in-plane anisotropic optical properties of fullerene monolayers. Science China: Physics, Mechanics and Astronomy, 2023, 66, .	5.1	5
37939	Strain and magnetic field effects on the electronic and transport properties of Î³-graphyne. RSC Advances, 2023, 13, 7988-7999.	3.6	3
37940	Bio-based polyamide nanocomposites of nanoclay, carbon nanotubes and graphene: a review. Iranian Polymer Journal (English Edition), 2023, 32, 773-790.	2.4	5

#	ARTICLE	IF	CITATIONS
37941	Topological, Spectroscopic and Energetic Properties of Cycloparaphenylene Series. Polycyclic Aromatic Compounds, 2024, 44, 1072-1094.	2.6	0
37942	Boronation of Biomass-Derived Materials for Hydrogen Storage. Compounds, 2023, 3, 244-279.	1.9	4
37943	A density functional theory study of van der Waals interaction in carbon nanotubes. Journal of the Chinese Chemical Society, 2023, 70, 759-769.	1.4	1
37944	Subnanometer-Wide Indium Selenide Nanoribbons. ACS Nano, 2023, 17, 6062-6072.	14.6	5
37945	High-Sensitivity 2D MoS ₂ /1D MWCNT Hybrid Dimensional Heterostructure Photodetector. Sensors, 2023, 23, 3104.	3.8	1
37946	Dielectrophoretic alignment of carbon nanotubes: theory, applications, and future. Nanotechnology, 2023, 34, 242001.	2.6	8
37947	Multifunctional Carbon-Based Nanoparticles: Theranostic Applications in Cancer Therapy and Diagnosis. ACS Applied Bio Materials, 2023, 6, 1323-1338.	4.6	6
37948	Advances in two-dimensional engineered nanomaterials applications for the agro and food industries. Journal of the Science of Food and Agriculture, 2023, 103, 5201-5212.	3.5	3
37949	Tunable growth of one-dimensional graphitic materials: graphene nanoribbons, carbon nanotubes, and nanoribbon/nanotube junctions. Scientific Reports, 2023, 13, .	3.3	3
37950	Carbon nanopeapod encapsulating fullerene and inorganic nanoparticle toward polymeric nanocomposite: tailored features and promises. Polymer-Plastics Technology and Materials, 2022, 61, 1481-1502.	1.3	1
37951	Synthesis of the multiphase shape memory hybrid composites hybridized with functionalized MWCNT to improve mechanical and interfacial properties. Polymer-Plastics Technology and Materials, 2022, 61, 650-664.	1.3	6
37952	Recent progress in experimental and molecular dynamics study of carbon nanotube reinforced rubber composites: a review. Polymer-Plastics Technology and Materials, 2022, 61, 1792-1825.	1.3	2
37953	A Size-Dependent Finite Element Method for the 3D Free Vibration Analysis of Functionally Graded Graphene Platelets-Reinforced Composite Cylindrical Microshells Based on the Consistent Couple Stress Theory. Materials, 2023, 16, 2363.	2.9	1
37954	Synthetic nanofillers in polymer composites for aerospace industry. , 2023, , 291-311.		1
37955	Electrochemical sensing of methotrexate in the presence of folic acid using PAMAM dendrimer-functionalized multi-walled carbon nanotubes modified electrode. Analytical Methods, 0, , .	2.7	2
37956	Fabrication of lightweight and biodegradable EMI shield films with selective distribution of 1D carbonaceous nanofiller into the co-continuous binary polymer matrix. Journal of Materials Science: Materials in Electronics, 2023, 34, .	2.2	7
37957	Recent Advances in Confining Polyoxometalates and the Applications. Small, 2023, 19, .	10.0	22
37958	Synthetic nanofillers: preparation and properties. , 2023, , 3-27.		2

#	ARTICLE	IF	CITATIONS
37959	A multifunctional nanocomposite coated with a BSA membrane for cascaded nitric oxide therapy. International Journal of Biological Macromolecules, 2023, 238, 124087.	7.5	3
37960	Cattaneo-Christov double diffusion based heat transport analysis for nanofluid flows induced by a moving plate. Numerical Heat Transfer; Part A: Applications, 2024, 85, 351-363.	2.1	13
37961	Long-range ordered porous carbon: A new carbon constructed by connecting C ₆₀ cages. , 2023, , 1-3.		2
37962	Research Progress of Carbon Nanomaterials for Plant Growth Applications. Material Sciences, 2023, 13, 135-142.	0.0	0
37963	Microporous Materials for Separation Membranes for Chromatography. International Journal of Advanced Research in Science, Communication and Technology, 0, , 171-184.	0.0	0
37964	Novel Amperometric Mercury-Selective Sensor Based on Organic Chelator Ionophore. Molecules, 2023, 28, 2809.	3.8	2
37965	Recent Biomedical Applications of Coupling Nanocomposite Polymeric Materials Reinforced with Variable Carbon Nanofillers. Biomedicines, 2023, 11, 967.	3.2	5
37966	Tetragonal Mexican-hat dispersion and switchable half-metal state with multiple anisotropic Weyl fermions in penta-graphene. New Journal of Physics, 2023, 25, 033033.	2.9	0
37967	Interfacial properties of defective carbon nanotube/polypropylene composites: a molecular dynamics approach. Physica Scripta, 2023, 98, 045918.	2.5	2
37968	Ab initio study on the electromechanical response of Janus transition metal dihalide nanotubes. European Physical Journal B, 2023, 96, .	1.5	2
37969	Electrical Heaters for Anti/De-Icing of Polymer Structures. Polymers, 2023, 15, 1573.	4.5	2
37970	Carbon-Based Stimuli-Responsive Nanomaterials: Classification and Application. Cyborg and Bionic Systems, 2023, 4, .	7.9	11
37971	Study on spalling and cracking behavior of <scp>MWCNTs</scp> concrete exposed to high temperatures. Structural Concrete, 0, , .	3.1	0
37972	Principal strategies for designing graphdiyne-based catalyst toward green hydrogen production from water electrolysis. JPhys Energy, 2023, 5, 021001.	5.3	0
37973	Fewer Dimensions for Higher Thermal Performance: A Review on 2D Nanofluids. Applied Sciences (Switzerland), 2023, 13, 4070.	2.5	3
37974	Carbon nanotubes: superfabric nanoscale theranostic materials. , 2023, , 43-81.		0
37975	Zinc ferrite nanoparticles and their biomedical applications. , 2023, , 233-255.		0
37976	Fully atomistic molecular dynamics investigation of the simplest model of dry-draw fabrication of carbon nanotube fibers. MRS Advances, 0, , .	0.9	0

#	ARTICLE	IF	CITATIONS
37977	Development of Solid-phase Microextraction Fiber Coatings. , 2023, , 135-174.		0
37978	Thermoelastic vibration characteristics of asymmetric annular porous reinforced with nano-fillers microplates embedded in an elastic medium: CNTs Vs. GNPs. Archives of Civil and Mechanical Engineering, 2023, 23, .	3.8	18
37979	Intelligent computing with Levenberg–Marquardt artificial neural network for Carbon nanotubes-water between stretchable rotating disks. Scientific Reports, 2023, 13, .	3.3	4
37980	Research on the utilization of ultra-long carbon nanotubes in lithium-ion batteries based on an environment-friendly society. Environmental Science and Pollution Research, 2023, 30, 56003-56015.	5.3	4
37981	Shape memory properties of epoxy with hybrid multi-walled carbon nanotube and montmorillonite nanoclay nanofiller. Polymer Bulletin, 2024, 81, 951-968.	3.3	3
37982	Nonlinear vibration analysis of curvy single-walled boron nitride nanotube using mathematical modeling for dynamic responses. International Journal of Modern Physics B, 2024, 38, .	2.0	0
37983	Structural Health Monitoring by Electrical Resistance Change Method. Advances in Chemical and Materials Engineering Book Series, 2023, , 295-320.	0.3	0
37984	Double solutions of unsteady stagnation-point of Carbon Nanotubes across a permeable exponential stretching/shrinking sheet. Chinese Journal of Physics, 2023, 85, 534-552.	3.9	2
37985	Materials and Structural Designs for Neural Interfaces. ACS Applied Electronic Materials, 2023, 5, 1926-1946.	4.3	5
37986	Tube-shaped nanostructures for enhancing resin-based dental materials: A landscape of evidence and research advancement. Smart Materials in Medicine, 2023, 4, 504-513.	6.7	0
37987	Status and Opportunities of Zinc Ion Hybrid Capacitors: Focus on Carbon Materials, Current Collectors, and Separators. Nano-Micro Letters, 2023, 15, .	27.0	34
37988	Trapped yet Free inside the Tube: Supramolecular Chemistry of Molecular Peapods. Bulletin of the Chemical Society of Japan, 2023, 96, 406-419.	3.2	7
37989	APPLYING OF NANOTECHNOLOGY TO EDIBLE FILMS. MÃ¼hendislik Bilimleri Ve TasarÄ±m Dergisi, 2023, 11, 411-425.	0.3	0
37990	One-Pot Fabrication of Nanocomposites Composed of Carbon Nanotubes and Alumina Powder Using a Rotatable Chemical Vapor Deposition System. Materials, 2023, 16, 2735.	2.9	0
37992	Recent progress of nanozymes with different spatial dimensions for bioanalysis. Materials Today Nano, 2023, 22, 100330.	4.6	7
37994	Large-Scale, Proteinaceous Nanotube Arrays with Programmable Hydrophobicity, Oleophilicity, and Gas Permeability. Nano Letters, 2023, 23, 3451-3458.	9.1	2
37995	Smart nanomaterials in biosensing applications. , 2023, , 207-231.		1
37996	Research Progress on Organic Nanohoops/Nanogrids. Acta Chimica Sinica, 2023, 81, 289.	1.4	1

#	ARTICLE	IF	CITATIONS
37997	Interfacial diffusionâ€”limited vaporâ€”liquidâ€”solid mechanism for the growth of tadpoleâ€”shaped boron nitride nanostructures. Journal of the American Ceramic Society, 0, , .	3.8	0
37998	Accurate Resistance Modeling of Cu-CNT ULSI Interconnects. , 2023, , .		0
37999	Carbon Nanomaterials-Based Screen-Printed Electrodes for Sensing Applications. Biosensors, 2023, 13, 453.	4.7	11
38000	Effect of Structural Defects and Adsorbates on the Ballistic Conductivity of Carbon Nanotubes. Russian Journal of Physical Chemistry B, 2023, 17, 215-221.	1.3	2
38001	Recent advances and applications of metal-organic nanotubes in separation and sensor detection science. TrAC - Trends in Analytical Chemistry, 2023, 163, 117052.	11.4	1
38002	Arbitrary temperature gradient in thermal-postbuckling behavior of polymer nanocomposites reinforced by boron nitride nanotubes. International Journal of Non-Linear Mechanics, 2023, 153, 104407.	2.6	0
38003	Introduction to advanced electronic materials for clean energy applications. , 2023, , 3-26.		2
38004	Application of Nanomedicine in Diagnostic Technology. , 0, 40, 125-131.		1
38005	On the dynamic behaviour of carbon nanotubes conveying fluid resting on elastic foundations in a magnetic-thermal environment: effects of surface energy and initial stressÂ. Aeronautics and Aerospace Open Access Journal, 2023, 7, 26-34.	0.2	0
38006	Wear Reduction via CNT Coatings in Electrical Contacts Subjected to Fretting. Tribology Letters, 2023, 71, .	2.6	3
38007	A controllable nanoscale telescopic arm designed by encoding the nested multi-walled carbon nanotubes. Physical Chemistry Chemical Physics, 2023, 25, 11805-11815.	2.8	2
38008	Insights on self-assembly of carbon in the processes of thermal transformations under high pressures. Functional Diamond, 2023, 3, .	3.8	2
38009	Three-Dimensional Thermal Vibration of CFFF Functionally Graded Carbon Nanotube-Reinforced Composite Plates. Journal of Vibration Engineering and Technologies, 0, , .	2.2	2
38010	Piezoelectric and dielectric constants of topologically defected boron nitride nanotubes. Dalton Transactions, 2023, 52, 5895-5908.	3.3	1
38011	Wet ball milling and hot press for the preparation of UHMWPE/modified MWCNTs nanocomposite with enhanced mechanical and thermal properties. Polymer Bulletin, 2024, 81, 1707-1727.	3.3	0
38012	Simultaneous Determination of Aromatic Amines by Liquid Chromatography Coupled with Carbon Nanotubes/Poly (3-methylthiophene) Modified Dual-Electrode. Chromatographia, 2004, 59, 167-172.	1.3	13
38013	Tetra-penta-deca-hexagonal-graphene (TPDH-graphene) hydrogenation patterns: dynamics and electronic structure. Physical Chemistry Chemical Physics, 2023, 25, 13088-13093.	2.8	0
38014	A Recent Review on Cancer Nanomedicine. Cancers, 2023, 15, 2256.	3.7	15

#	ARTICLE	IF	CITATIONS
38015	A thermal framework for preliminary evaluation of the development of dye-sensitized solar cells in temperate and warm climates. <i>Journal of Renewable and Sustainable Energy</i> , 2023, 15, 023701.	2.0	0
38016	Heat Transfer Enhancement of MHD Natural Convection in a Star-Shaped Enclosure, Using Heated Baffle and MWCNTs-Water Nanofluid. <i>Mathematics</i> , 2023, 11, 1849.	2.2	5
38017	Ligand-targeted fishing of α -glucosidase inhibitors from <i>Tribulus terrestris</i> L. based on chitosan-functionalized multi-walled carbon nanotubes with immobilized α -glucosidase. <i>Analytical and Bioanalytical Chemistry</i> , 2023, 415, 2677-2692.	3.7	3
38018	A DFT Study on the Adsorption of Tetrazole 5-Thion on Single-Walled Carbon Nanotubes (SWCNTs). <i>Russian Journal of Physical Chemistry A</i> , 2023, 97, 193-201.	0.6	0
38019	Bending analysis of carbon nanotube coated fiber multi-scale composite beams using the refined zigzag theory. <i>Aerospace Science and Technology</i> , 2023, 138, 108328.	4.8	5
38020	Kohlenstoff-Nanoröhren und Graphen. , 2023, , 843-860.		0
38021	High Performance Single Walled CNT-ZnO NW Hybrid Heterostructure for UV Photodetection. , 2022, ,		0
38022	Effect of ultrasonication on carboxyl-functionalized multiwalled carbon nanotubes in fresh and hardened Portland cement pastes. <i>Revista IBRACON De Estruturas E Materiais</i> , 2023, 16, .	0.6	0
38023	Chloride ion penetration resistance of matrix and interfacial transition zone of multi-walled carbon nanotube-reinforced concrete. <i>Journal of Building Engineering</i> , 2023, 72, 106587.	3.4	22
38024	Magnesium oxychloride cement-based composites for latent heat storage: The effect of the introduction of multi-walled carbon nanotubes. <i>Journal of Building Engineering</i> , 2023, 72, 106604.	3.4	0
38025	Carbon nanomaterials-based electrochemical aptasensor for point-of-care diagnostics of cancer biomarkers. <i>Materials Today Chemistry</i> , 2023, 30, 101499.	3.5	18
38026	A Comparison of Shell Theories for Vibration Analysis of Single-Walled Carbon Nanotubes Based on an Anisotropic Elastic Shell Model. <i>Nanomaterials</i> , 2023, 13, 1390.	4.1	2
38027	Effect of Seebeck coefficient distribution across pn-junction in carbon nanotube films for photothermoelectric power generation by localized sunlight irradiation. <i>Diamond and Related Materials</i> , 2023, 136, 109929.	3.9	2
38028	Non-enzymatic electrochemical sensors based on nanomaterials for detection of organophosphorus pesticide residues. <i>Environmental Science Advances</i> , 2023, 2, 933-956.	2.7	2
38029	Thermal Conductivity of a Two-Dimensional Diamondene Sheet: A Molecular Study. <i>Journal of Physical Chemistry C</i> , 0, , .	3.1	0
38030	Material and Biomaterial for Biosensing Platform. , 2023, , 59-104.		0
38031	Synthesis of magnetic activated carbon-supported cobalt(II) chloride derived from pecan shell (<i>Aleurites moluccana</i>) with co-precipitation method as the electrode in supercapacitors. <i>Materials Science for Energy Technologies</i> , 2023, 6, 429-436.	1.8	1
38032	Current advances in nanodrug delivery systems for malaria prevention and treatment. , 2023, 18, .		1

#	ARTICLE	IF	CITATIONS
38033	Surface antibacterial activity of multi-walled carbon nanotubes with an intrinsic and radiation-induced disorder. <i>Diamond and Related Materials</i> , 2023, 136, 109953.	3.9	4
38034	Dynamic mechanical response of carbon nanotube yarns and their in situ electrical measurements. <i>Journal of the Textile Institute</i> , 2024, 115, 118-129.	1.9	1
38035	Emerging monoelemental 2D materials (Xenes) for biosensor applications. <i>Nano Research</i> , 2023, 16, 7030-7052.	10.4	3
38036	Buckling and free vibration analysis of in-plane heterogeneous nanoplates using a simple boundary method. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2023, 45, .	1.6	1
38037	Challenges and recent progress in carbon-based nanocomposites for sportswear and sensing applications. <i>Materials Research Express</i> , 2023, 10, 052001.	1.6	1
38038	Investigating the thermoelectric properties of the (6, 6) two sided-closed single-walled boron nitride nanotubes ((6, 6) TSC-SWBNNTs) due to the impurity of a single carbon atom and temperature changes. <i>Journal of Molecular Graphics and Modelling</i> , 2023, 122, 108499.	2.4	0
38039	Prospective of hybrid carbon-based materials for environmental remediation. , 2023, , 25-54.		1
38040	Nanoparticulates. , 2023, , 797-838.		0
38042	Nanomaterials in bioimaging and cell labeling. , 2023, , 499-523.		0
38043	Mini Review of Technological Trends of Flexible Supercapacitors Using Carbon Nanotubes. <i>Journal of Natural Fibers</i> , 2023, 20, .	3.1	4
38046	Carbon nanotube characteristics and enhancement effects on the mechanical features of polymer-based materials and structures â€“ A review. <i>Journal of Materials Research and Technology</i> , 2023, 24, 6495-6521.	5.8	16
38047	Surface coatings of functionalized nanofibers for property enhancement: Synthesis, characterizations, and applications. , 2023, , 277-306.		0
38048	A review of nitrogen-doped carbon materials for lithium-ion battery anodes. <i>New Carbon Materials</i> , 2023, 38, 247-278.	6.1	7
38049	A review of wearable supercapacitors fabricated from highly flexible conductive fiber materials. <i>New Carbon Materials</i> , 2023, 38, 211-225.	6.1	3
38052	Single-Wall-Carbon-Nanotubeâ€“ \sqrt{VSe}^2 overflow="scroll"> \sqrt{VSe}^2 Nanohybrid for Ultrafast Visible-To-Near-Infrared Third-Order Nonlinear Optical Limiters. <i>Physical Review Applied</i> , 2023, 19, .	3.8	4
38053	The Schottky barrier transistor in emerging electronic devices. <i>Nanotechnology</i> , 2023, 34, 352002.	2.6	3
38054	CNTFET-Based Universal Filter Using DO-CCII. <i>Lecture Notes in Electrical Engineering</i> , 2023, , 47-60.	0.4	0
38055	Carbon nanotubes-assisted solid-phase microextraction for the extraction of gasoline in fire debris samples. <i>Journal of Chromatography A</i> , 2023, 1701, 464063.	3.7	0

#	ARTICLE	IF	CITATIONS
38056	Carbohydrate nanotubes production and its techno-economic validation. Bioresource Technology Reports, 2023, 22, 101460.	2.7	1
38057	Designing a promising sensor for SF6 decomposed gases by using platinum doped-aluminum nitride nanotubes. Inorganic Chemistry Communication, 2023, 153, 110743.	3.9	1
38058	Electronic transport in bent carbon nanotubes. Physical Review B, 2023, 107, .	3.2	0
38059	Polymer-based nanocomposites as defence material. Bulletin of Materials Science, 2023, 46, .	1.7	3
38060	Research Status of Lithium Oxygen Battery and Its Components. , 0, 43, 499-503.		0
38061	Nanomaterial-Based Scaffolds for Tissue Engineering Applications: A Review on Graphene, Carbon Nanotubes and Nanocellulose. Tissue Engineering and Regenerative Medicine, 2023, 20, 411-433.	3.7	4
38062	An Investigation on Mechanical Characteristics of Carbon Nanomaterials Used in Cementitious Composites. , 2023, , 2309-2330.		0
38063	Density functional study of the single-walled Haeckelite AlN nanotubes in square-octagon structure. Physica E: Low-Dimensional Systems and Nanostructures, 2023, 151, 115745.	2.7	0
38064	Analytical study on ductility performance of carbon nanotubes in basalt fiber reinforced concrete beam. AIP Conference Proceedings, 2023, , .	0.4	0
38065	Bifunctional strontium-doped barium oxide nanorods as promising photocatalysts and electrodes for energy storage applications. Journal of Energy Storage, 2023, 67, 107598.	8.1	6
38066	Treatment of Water Contaminated with Diesel Using Carbon Nanotubes. Applied Sciences (Switzerland), 2023, 13, 6226.	2.5	0
38067	Graphene, electronic properties and topological properties. , 2024, , 273-287.		0
38068	Continuum modeling of nonlinear buckling behavior of CNT using variational asymptotic method and nonlinear FEA. Mechanics of Advanced Materials and Structures, 0, , 1-18.	2.6	3
38069	Direct growth of long magnetic carbon nanotubes on Incoloy heating elements and its hydrophilic surface modification by atmospheric pressure plasma jets. Chemical Papers, 2023, 77, 5305-5316.	2.2	1
38070	A novel type microporous adsorbent based on single-walled carbon nanotubes assembled by toluene molecules for methane storage. Adsorption, 2023, 29, 183-198.	3.0	1
38071	Elemental determination in carbon nanotubes by inductively coupled plasma optical emission spectrometry after a greener and simple microwave-assisted digestion method. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2023, 206, 106709.	2.9	1
38072	Chemistry: Necessary for Sustainable Technology, but Not Sufficient. , 2021, , 247-329.		0
38073	Nanorod, Nanotube, Nanowire Self-Assembly. , 2008, , 215-332.		0

#	ARTICLE	IF	CITATIONS
38074	A review on emerging role of multifunctional carbon nanotubes as an armament in cancer therapy, imaging and biosensing. Journal of Drug Delivery Science and Technology, 2023, 85, 104588.	3.0	3
38075	Stabilization of Fe nanocrystalline phases inside carbon nanotube buckypapers and functionalization with Gd. Diamond and Related Materials, 2023, 136, 110042.	3.9	2
38076	CNTFET-based Data Independent Power Efficient and Robust 8T SRAM Cell. ECS Journal of Solid State Science and Technology, 2023, 12, 061001.	1.8	0
38077	Achieving Boron- Carbon -Nitrogen Heterostructures by Collision Fusion of Carbon Nanotubes and Boron Nitride Nanotubes. Molecules, 2023, 28, 4334.	3.8	2
38090	Self-Assembled Crystalline Bundles in Soluble Metal-Organic Nanotubes. Journal of the American Chemical Society, 2023, 145, 9454-9458.	13.7	2
38091	Defect-engineered hexagonal boron nitride nanosheets as a new atomic-level directional ion conductor. Ceramics International, 2023, 49, 23391-23398.	4.8	0
38092	A DFT study on effective detection of ClCN gas by functionalized, decorated, and doped nanocone strategies. RSC Advances, 2023, 13, 12554-12571.	3.6	1
38093	Preparation of Multi-walled Carbon Nanotubes with Ni/SiO_2 Composites. Journal of Physics: Conference Series, 2023, 2468, 012008.	0.4	0
38094	Study on Interlaminar Fracture Toughness of the CNTs-CF/epoxy Resin Composites. Journal of Physics: Conference Series, 2023, 2468, 012067.	0.4	0
38095	Sustainable Nanotorus for Biosensing and Therapeutical Applications. , 2023, , 1985-2006.		0
38096	Recent Advances in Carbon-Based Electrodes for Energy Storage and Conversion. Advanced Science, 2023, 10, .	11.2	35
38097	Synthesis of Carbon Nanotubes Using Layered Double Hydroxide with Various Metal Compositions as Catalyst Precursors. Chemistry Letters, 2023, 52, 412-415.	1.3	2
38098	Candida rugosa Lipase Immobilization on Fe_3O_4 Coated Carboxyl Functionalised Multiwalled Carbon Nanotubes for Production of Food Flavour Esters. Biotechnology and Bioprocess Engineering, 2023, 28, 310-326.	2.6	2
38099	Investigation on the influence of reaction temperature on the structural and magnetic properties of morphologically diverse carbon nanotubes synthesized using $\text{LaNi}_5\text{Pt}_{0.5}$ alloy catalyst. Journal of Alloys and Compounds, 2023, 958, 170355.	5.5	3
38100	A surpassingly stiff yet lossy multiscale nanocomposite inspired by bio-architecture. Materials Today Communications, 2023, 35, 105982.	1.9	4
38101	Local magnetic characterization of 1D and 2D carbon nanomaterials with magnetic force microscopy techniques: A review. Materials Today Communications, 2023, 35, 106103.	1.9	3
38102	Vibration of three-phase hybrid viscoelastic nanocomposites beams. Journal of Mechanical Science and Technology, 2023, 37, 2311-2317.	1.5	5
38103	Suppression of copper surface oxidation by electrophoretically deposited graphene oxide film. AIP Advances, 2023, 13, .	1.3	0

#	ARTICLE	IF	CITATIONS
38104	Natural convection flow of CNTs-ethylene glycol based micropolar nanofluid along a complex wavy surface. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622311662.	2.1	0
38107	A review on applications of carbon nanotubes-based metal-sulfide composite anode materials (CNTs/MS) for sodium (Na)-ion batteries. Emergent Materials, 0, , .	5.7	2
38108	A study on MHD flow of $\langle i \rangle$ SWCNT-Al ₂ O ₃ $\langle /i \rangle$ /water hybrid nanofluid past a vertical permeable cone under the influence of thermal radiation and chemical reactions. Numerical Heat Transfer; Part A: Applications, 0, , 1-21.	2.1	4
38109	Hybrid effect of GNPs, GOs, and CNTs on the flexural and compressive strengths of cement paste. Journal of Building Engineering, 2023, 73, 106679.	3.4	1
38110	Application of Image Analysis to Length Measurement of Carbon Nanotubes” Evaluation of the applicability of a software utilizing open-source modules ”. Bunseki Kagaku, 2023, 72, 191-196.	0.2	0
38111	Recent advances in modification of novel carbon-based composites: Synthesis, properties, and biotechnological/ biomedical applications. Chemico-Biological Interactions, 2023, 379, 110517.	4.0	5
38112	Development of Y-TZP/MWCNT-SiO ₂ nanocomposite for dental prostheses. Journal of the Mechanical Behavior of Biomedical Materials, 2023, 143, 105888.	3.1	0
38113	Textile Applications of PTT-Based Polymer Blends, Composites, and Nanocomposites. Materials Horizons, 2023, , 237-249.	0.6	0
38114	Carbon-based nanomaterials for nervous tissue engineering. , 2023, , 59-124.		0
38115	Minimum weight design of CNT/fiber reinforced laminates subject to a frequency constraint by optimal distribution of reinforcements across the thickness. Composite Structures, 2023, 319, 117112.	5.8	2
38116	Microstructured All-Optical Switching Based on Two-Dimensional Material. Coatings, 2023, 13, 876.	2.6	2
38117	Improving carbon nanotube dispersion in aluminum matrix composite powders by a repeating-deformation ball milling process. Materials Characterization, 2023, 201, 112986.	4.4	4
38118	Corrosion Resistance Potential of Metal-Matrix Composites Reinforced With Carbon Nanofibers and Carbon Nanotubes. Advances in Chemical and Materials Engineering Book Series, 2023, , 135-188.	0.3	0
38119	èj”é¢ç\$’â¬â,^â,^âf^âf©â,âfœâfâ,âf1/4â®é€²â±•. Vacuum and Surface Science, 2023, 66, 277-283.	0.1	0
38120	Advances in Tribology Driven by Surface Science. E-Journal of Surface Science and Nanotechnology, 2023, 21, 98-104.	0.4	1
38121	Twisted Nanotubes of Transition Metal Dichalcogenides with Split Optical Modes for Tunable Radiated Light Resonators. Advanced Optical Materials, 0, , .	7.3	0
38122	Analytical eco-scale determination of vortioxetine using advanced electrochemical platform for screen-printed disposable multiwalled carbon nanotube electrode in the presence of an anionic surfactant. New Journal of Chemistry, 2023, 47, 11015-11029.	2.8	1
38123	Study on the controlled release properties of modified multi-walled carbon nanotubes on sulfuraphane. Carbon Letters, 0, , .	5.9	0

#	ARTICLE	IF	CITATIONS
38124	Molecular dynamics simulation of free transverse vibration behavior of single-walled coiled carbon nanotubes. <i>Mechanics of Advanced Materials and Structures</i> , 0, , 1-12.	2.6	0
38125	Darcyâ€Forchheimer natural convection flow of SWCNTs-EG-based nanofluid along a complex roughened surface. <i>Waves in Random and Complex Media</i> , 0, , 1-22.	2.7	0
38126	Hydrogen sorption by nanostructures at low temperatures (Review article). <i>Low Temperature Physics</i> , 2023, 49, 507-520.	0.6	0
38127	Ultralong 100â€%ons spin relaxation time in graphite at room temperature. <i>Nature Communications</i> , 2023, 14, .	12.8	1
38128	Toxicology of carbon nanostructures. Part 2. Nanoscale materials based on graphene sheets. <i>Reviews on Clinical Pharmacology and Drug Therapy</i> , 0, , 5-22.	0.6	0
38129	Transition metal induced-magnetization in zigzag SiCNTs. <i>Journal of Computational Electronics</i> , 2023, 22, 964-970.	2.5	1
38130	The use of chitosan-based composites for environmental remediation: A review. <i>International Journal of Biological Macromolecules</i> , 2023, 242, 124787.	7.5	14
38131	Harmonic plane waves in isotropic micropolar medium based on two-parameter nonlocal theory. <i>Archive of Applied Mechanics</i> , 0, , .	2.2	0
38132	Parametric Dependency of Charge Transport in a Carbon Nanotube-Based Field Effect Transistor: A Numerical Simulation. , 2023,, .		1
38133	The non-unique existence of Rayleigh waves in nonlocal elastic half-spaces. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 2023, 74, .	1.4	0
38135	Carbon-Based Textile Sensors for Physiological-Signal Monitoring. <i>Materials</i> , 2023, 16, 3932.	2.9	5
38137	The thermal transport and scattering channel of body centered cubic carbon BC14 using self-consistent phonon theory. <i>Journal of Alloys and Compounds</i> , 2023, 960, 170673.	5.5	0
38139	Concurrent topology optimization design for CNT orientation and CNTRC layout. <i>Applied Mathematical Modelling</i> , 2023, 122, 22-41.	4.2	0
38140	Effects of Dispersed Carbon Nanotubes and Emerging Supramolecular Structures on Phase Transitions in Liquid Crystals: Physico-Chemical Aspects. <i>Liquids</i> , 2023, 3, 246-277.	2.5	3
38141	Synthesis, characterization and In-vitro studies of CNT/Gd2O3 hybrid structure. <i>Carbon Trends</i> , 2023, 11, 100272.	3.0	4
38142	Quasiparticle framework. , 2023, , 27-53.		0
38145	Germanene nanotubes. , 2023, , 319-342.		0
38146	Carbon-/boron-/nitrogen-substituted germaneness. , 2023, , 113-172.		0

#	ARTICLE	IF	CITATIONS
38147	Directional Activated Exciton Highway via Fractal Electric Field Modulation for Ultrasensitive Carbon Nanotube-Based Sensors. ACS Sensors, 2023, 8, 2375-2382.	7.8	1
38149	Wiener indices of zigzag single walled carbon nanotubes and related nanotories. Chemical Physics, 2023, 572, 111973.	1.9	1
38150	Topological states in the polymerized carbon nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2023, 480, 128936.	2.1	0
38151	The role of graphene in Graphene-Filled carbon nanotube foam under compression and the corresponding microscopic deformation mechanism. Materials and Design, 2023, 231, 112043.	7.0	3
38152	Side wall functionalization of carbon nanotube using MOPAC software. AIP Conference Proceedings, 2023, , .	0.4	0
38153	Construction of MoS ₂ @reduced graphene oxide/carbon nanotubes three-dimensional network structure and its application in lithium-sulfur batteries. Materials Today Chemistry, 2023, 30, 101592.	3.5	4
38154	Interaction of cells with different types of TiO ₂ nanostructured surfaces. Advances in Biomembranes and Lipid Self-Assembly, 2023, , .	0.6	0
38155	Structure and Properties of Graphene and Chemically Modified Graphene Materials. , 2023, , 43-75.		0
38156	Functionalization of Graphene and Factors Affecting Catalytic Performance. , 2023, , 154-207.		0
38157	Introduction to Carbocatalysis. , 2023, , 1-42.		0
38158	Effects of MWCNTs content and dry density on hydro-structural characteristics of bentonite during drying and wetting. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-20.	2.1	1
38159	Effect of CNT-FA hybrid on the mechanical, permeability and microstructure properties of gangue cemented rockfill. Construction and Building Materials, 2023, 392, 131978.	7.2	3
38160	Synthesis of new graphene oxide/TiO ₂ and TiO ₂ /SiO ₂ nanocomposites and their evaluation as photocatalysts. Catalysis Science and Technology, 2023, 13, 4367-4377.	4.1	1
38161	Unique Dye-Sensitized Solar Cell Using Carbon Nanotube Composite Papers with Gel Electrolyte. Journal of Composites Science, 2023, 7, 232.	3.0	3
38162	Dynamic analysis of CNT functionally graded piezolaminated structures using third-order shear deformation theory. Mechanics of Advanced Materials and Structures, 0, , 1-17.	2.6	2
38163	Impedance and Dielectric Characterization of Epoxy Composites Containing Carbon Black and Carbon Nanotubes. Solid State Phenomena, 0, 344, 89-94.	0.3	0
38164	Bottom-up synthesis of carbon materials with an exceptionally high percentage of pentagons or tertiary nitrogen by brominating precursors. Carbon, 2023, 213, 118188.	10.3	6
38165	Topological nodal line semimetal with large nodal ring in an all- hybridized carbon network formed by all-ten-membered carbon rings. Physical Review B, 2023, 107, ,	3.2	1

#	ARTICLE	IF	CITATIONS
38166	Nanocarbon-Infused Metal Matrix Composites: A Review. Jom, 2023, 75, 4009-4023.	1.9	1
38167	A novel Cr2O3 coated CNTs system: Synthesis, microstructure regulation, and characterization. Materials Characterization, 2023, 203, 113069.	4.4	0
38168	Numerical study of dissipative SW/MWCNT-nanofluid coating flow from a stretching wall to a porous medium with shape factor effects. International Journal of Hydrogen Energy, 2023, 48, 34536-34550.	7.1	1
38169	Insights into the formation of multiwall carbon nanotubes using simple flame pyrolysis method. Materials Today: Proceedings, 2023, 92, 1421-1425.	1.8	0
38170	Influence of synthesized nanomaterials in the strength and durability of cementitious composites. Case Studies in Construction Materials, 2023, 18, e02197.	1.7	2
38171	Use of non-covalently modified SWCNTs for enhancing the properties of BMI composites with a low loading. Diamond and Related Materials, 2023, 137, 110089.	3.9	0
38172	Nanotechnology as an efficient and effective alternative for wastewater treatment: an overview. Water Science and Technology, 2023, 87, 2971-3001.	2.5	4
38173	Molecularly or atomically precise nanostructures for bio-applications: how far have we come?. Materials Horizons, 0, , .	12.2	0
38174	Flexible, Ultrathin, and Lithographic-Free Nanocoral Metamaterial Membrane for Omnidirectional UV-Vis-NIR Broadband Absorption. Solar Rrl, 2023, 7, .	5.8	0
38175	Constitutive Modeling of Mechanical Behaviors of Carbon-Based CNTs and GSs, and Their Sensing Applications as Nanomechanical Resonators: A Review. Nanomaterials, 2023, 13, 1834.	4.1	0
38176	Synthesis of Carbon Nanoparticles in a Compression Reactor in Atmosphere of Buffer Gases. Technical Physics, 2023, 68, 18-26.	0.7	1
38177	Carbon nanomaterials and their composites for electrochemical glucose biosensors: A review on fabrication and sensing properties. Journal of the Taiwan Institute of Chemical Engineers, 2023, , 104957.	5.3	5
38178	The effects of single-walled carbon nanotubes dispersion and agglomeration in aluminum matrix: Fabrication and finite element simulation. Measurement: Journal of the International Measurement Confederation, 2023, 218, 113144.	5.0	0
38179	The effect of non-uniform pitch length and spiraling pathway on the mechanical properties of coiled carbon nanotubes. International Journal of Mechanical Sciences, 2023, 257, 108532.	6.7	3
38180	Preparation and antifouling performance of low-pressure carbon nanotube membranes based on polydopamine biomimetic modification. Colloids and Surfaces B: Biointerfaces, 2023, 228, 113398.	5.0	0
38181	Thermal investigation of nanofluid-filled hexagonal fillet cavity under the influence of heated and centered cylinder. Case Studies in Thermal Engineering, 2023, 49, 103180.	5.7	0
38182	Room temperature colossal superparamagnetic order in aminoferrocene-graphene molecular magnets. Applied Physics Letters, 2023, 122, .	3.3	2
38183	Interstellar Carbonaceous Dust and Its Formation Pathways: From an Experimental Astrochemistry Perspective. Journal of the Indian Institute of Science, 0, , .	1.9	0

#	ARTICLE	IF	CITATIONS
38184	Q&A with Editorial Board Member Professor Wei Zhang. Communications Chemistry, 2023, 6, .	4.5	0
38185	Fluorescent carbon nanomaterials from coal and its derivatives: structure, properties, and applications. Journal of Nanoparticle Research, 2023, 25, .	1.9	3
38186	Sorption of metal elements by single-walled carbon nanotubes and x-ray absorption spectroscopy analysis. Physica Scripta, 0, , .	2.5	0
38187	A Review on 1â€D Nanomaterials: Scalingâ€Up with Gasâ€Phase Synthesis. Chemical Record, 0, , .	5.8	0
38188	Properties of concrete with addition carbon nanotubes: A review. Construction and Building Materials, 2023, 393, 132066.	7.2	10
38189	Plasma chemistry and plasma reactors for turquoise hydrogen and carbon nanomaterials production. Advances in Chemical Engineering, 2023, , .	0.9	0
38190	Robust Mechanical Destruction to the Cell Membrane of Carbon Nitride Polyaniline (C ₃ N): A Molecular Dynamics Simulation Study. Journal of Chemical Information and Modeling, 0, , .	5.4	0
38191	1D cobalt nanocrystals confined in vertically aligned carbon nanotubes: One-step synthesis and magnetic properties. Journal of Alloys and Compounds, 2023, 960, 170984.	5.5	2
38192	3D graphene-based material: Overview, perspective, advancement, energy storage, biomedical engineering and environmental applications a bibliometric analysis. Journal of Environmental Chemical Engineering, 2023, 11, 110339.	6.7	5
38193	Bio-magnetic separation of different nanomaterials and their applications. , 2023, , 197-216.		0
38194	Potential production of carbon nanotubes from liquid aromatic hydrocarbons over Fe and Ni on alumina powder via catalytic chemical vapor deposition. Diamond and Related Materials, 2023, 137, 110130.	3.9	0
38195	Advances in toughening strategies for structural adhesives. , 2023, , 251-286.		0
38197	Boron Nitride Nanocomposites Used as Hydrogen Storage Material. Composites Science and Technology, 2023, , 163-180.	0.6	0
38198	Carbon-Dots Based Sensors for Detection of Pollutants from Soil. ACS Symposium Series, 0, , 139-162.	0.5	0
38199	Environmental and toxicological concerns associated with nanomaterials used in the industries. , 2023, , 141-193.		2
38200	Recent advances in meniscus-on-demand three-dimensional micro- and nano-printing for electronics and photonics. International Journal of Extreme Manufacturing, 2023, 5, 032009.	12.7	2
38201	An Evidence of Electron Donor Behavior of Single-walled Carbon Nanotube in Photoinduced Electron Transfer. Journal of Photochemistry and Photobiology, 2023, , 100193.	2.5	0
38202	Fabrication of CuTNPc/MWCNTs composites by in-situ solvothermal method for efficient selective oxidation of styrene. Inorganica Chimica Acta, 2023, 556, 121640.	2.4	1

#	ARTICLE	IF	CITATIONS
38203	A future prospects and current scenario of aluminium metal matrix composites characteristics. AEJ - Alexandria Engineering Journal, 2023, 76, 1-17.	6.4	65
38204	The Hydrophilic Pretreatment of CNTs and the Impact of the Pretreatment Method Upon the Loading of CuO Onto the Surface of CNTs. Combustion Science and Technology, 0, , 1-21.	2.3	0
38205	Finite element modeling of the effective creep compliance of carbon nanotube-polymer nanocomposites: A critical microstructure-level investigation. Mechanics of Advanced Materials and Structures, 0, , 1-17.	2.6	3
38206	Reducing the dimension of a nonlinear dynamic system to simulate a multi-walled nanotube. Technical Mechanics, 2023, 2023, 105-120.	0.3	0
38207	Bottom-Up Synthesis of Crystalline Covalent Organic Framework Nanosheets, Nanotubes, and Kippah Vesicles: An Oddâ€Even Effect Induction. Journal of the American Chemical Society, 2023, 145, 14475-14483.	13.7	13
38208	Molecular dynamics simulation of the mechanical and thermal properties of phagraphene nanosheets and nanotubes: a review. Journal of Materials Science, 2023, 58, 10222-10260.	3.7	0
38209	Implicit Values in the Recent Carbon Nanotube Debate. NanoEthics, 2023, 17, .	0.8	2
38210	Temporal soliton dynamics of synchronised ultrafast fibre lasers. Optics Express, 0, , .	3.4	0
38211	Prediction of Temperature-Dependent Mechanical Properties for SWCNT/Cu Nanocomposite Metamaterials: A Molecular Dynamics Study. Nanomaterials, 2023, 13, 1885.	4.1	1
38212	Structure, electronic, and nonlinear optical properties of superalkaline M ₃O (M = Li, Na) doped cyclo[18]carbon. Chinese Physics B, 2024, 33, 023601.	1.4	0
38213	Experimental and Computational Research on the Effect of Flow Distribution on the Growth of Boron Nitride Nanotubes by Chemical Vapor Deposition. Journal of Physical Chemistry C, 2023, 127, 12235-12242.	3.1	1
38214	Immunogenic proteins and potential delivery platforms for mpox virus vaccine development: A rapid review. International Journal of Biological Macromolecules, 2023, 245, 125515.	7.5	4
38215	Hybrid Particle-Field Molecular Dynamics: A Primer. , 2024, , 636-659.		1
38216	Evaluation of synthesis time in the growth of vertical-aligned MWCNTs by spray pyrolysis. Materials Characterization, 2023, 203, 113105.	4.4	1
38217	Control of morphology and crystallinity of CNTs in flame synthesis with one-dimensional reaction zone. Beilstein Journal of Nanotechnology, 0, 14, 741-750.	2.8	0
38218	Slip and radiative effect on magnetized CNTs, $\text{C}_{2n}\text{H}_{2n+2}$ and $\text{C}_{2n}\text{H}_{2n+2}\text{O}$ hybrid base nanofluid over exponentially shrinking. Journal of Magnetism and Magnetic Materials, 2023, 563, 168407.	2.3	0
38219	Quint points lattice and multistability in a damped-driven curved carbon nanotube oscillator model. Chaos, 2023, 33, .	2.5	2
38220	Application of Nanomaterials in Heavy Metals Remediation from Wastewater. , 2023, , 21-32.		0

#	ARTICLE	IF	CITATIONS
38221	Application of Metallic Nanoparticles for Industrial Wastewater Treatment. , 2023, , 33-52.		0
38222	Nonlinear Thermal-Magneto-Mechanical Vibration Analysis of Single-Walled Embedded Branched Carbon Nanotubes Conveying Nanofluid. , 2023, 2, .		0
38223	Construction of multifunctional surface to fabricate wood-derived cellulose electrothermal composites with flame retardant and hydrophobic performance for harsh operating conditions. Industrial Crops and Products, 2023, 202, 117079.	5.2	1
38224	Research progress of applications for nano-materials in improved QuEChERS method. Critical Reviews in Food Science and Nutrition, 0, , 1-20.	10.3	1
38225	A review of rapid food safety testing: using lateral flow assay platform to detect foodborne pathogens. Critical Reviews in Food Science and Nutrition, 0, , 1-23.	10.3	7
38226	Thermoelastic resonance analysis of BNNT-reinforced nanocomposite beams heated by internal thermal source. Structures, 2023, 55, 1011-1027.	3.6	1
38227	Voltammetric Detection of Potassium Ferricyanide Mediated by Multi-walled Carbon Nanotube/Titanium Dioxide Composite Modified Glassy Carbon Electrode. International Journal of Electrochemical Science, 2011, 6, 520-531.	1.3	39
38228	Development of nanowire energy storage materials and devices. Zhongguo Kexue Jishu Kexue/Scientia Sinica Technologica, 2023, , .	0.5	0
38229	An extended model for chirality selection in single-walled carbon nanotubes. Nanoscale Advances, 2023, 5, 3684-3690.	4.6	1
38230	Highly oriented microtube arrays of decagonal quasicrystal approximants in Al ₂₀ Si ₂₀ Mn ₂₀ Fe ₂₀ Ga ₂₀ high-entropy alloy. Materials and Design, 2023, 232, 112118.	7.0	1
38231	Simultaneous Voltammetric Determination of Norepinephrine and Acetaminophen at the Surface of a Modified Carbon Nanotube Paste Electrode. International Journal of Electrochemical Science, 2011, 6, 6503-6513.	1.3	26
38232	A Hybrid Nanocomposite of Poly(Neutral red) and Hemoglobin Codeposited on Multi-Walled Carbon Nanotubes for Determination of Hydrogen Peroxide. International Journal of Electrochemical Science, 2015, 10, 6886-6899.	1.3	3
38233	Hybrid Semiconductor Photocatalyst Nanomaterials for Energy and Environmental Applications: Fundamentals, Designing, and Prospects. Advanced Sustainable Systems, 2023, 7, .	5.3	12
38234	A Biosensor for Hydrogen Peroxide Based on Single walled Carbon Nanotube and Metal Oxide Modified Indium Tin Oxide Electrode. International Journal of Electrochemical Science, 2011, 6, 3466-3482.	1.3	13
38235	Electrochemical Behavior of Ambroxol and Its Determination in Pharmaceutical Dosage Forms on MWCNT/Nafion Modified Glassy Carbon Electrodes. International Journal of Electrochemical Science, 2012, 7, 6084-6096.	1.3	4
38236	Dielectric layer doping for enhanced triboelectric nanogenerators. Nano Energy, 2023, 114, 108651.	16.0	9
38237	Carbon nanotubes and graphene-based materials for adsorptive removal of metal ions “ A review on surface functionalization and related adsorption mechanism. Applied Surface Science Advances, 2023, 16, 100431.	6.8	16
38238	Structure and Properties of Composite Fibers Based on Chitosan and Single-Walled Carbon Nanotubes for Peripheral Nerve Regeneration. Polymers, 2023, 15, 2860.	4.5	2

#	ARTICLE	IF	CITATIONS
38239	Synthesis and Broadband Photodetection of a p-Type 1D Van der Waals Semiconductor HfSnS ₃ . Small, 2023, 19, .	10.0	2
38240	Modeling and Comparative Analysis of Atmospheric Pressure Anodic Carbon Arc Discharge in Argon and Heliumâ€“Producing Carbon Nanostructures. Nanomaterials, 2023, 13, 1966.	4.1	1
38241	Biosensing for Autoimmune Chronic Diseaseâ€”A Review. Chemosensors, 2023, 11, 366.	3.6	0
38242	Space Elevator for Space-Resource Mining. , 2023, , 229-247.		0
38243	Methods for Production of Functional Carbon Nanostructures from Biomass. Green Energy and Technology, 2023, , 41-74.	0.6	0
38244	Unsteady Carbon Nanotubes Nanofluid Flow due to a Moving Cylinder with Thermal Radiation and Temperature Oscillation Effects. Journal of Nanofluids, 2023, 12, 1410-1423.	2.7	0
38245	Phonon-Assisted Intertube Electronic Transport in an Armchair Carbon Nanotube Film. Physical Review Letters, 2023, 130, .	7.8	1
38246	Developing a dual-functional self-healing nanocomposite utilizing oxidized-multiwall carbon nanotube/highly-porous metal-organic framework (OCNT/ZIF-8) nano-hybrid. Applied Materials Today, 2023, 32, 101830.	4.3	4
38247	Decreasing vacancy-defect sensitivity in multi-walled carbon nanotubes through interwall coupling. Carbon Trends, 2023, 11, 100266.	3.0	0
38248	From metal nanowires to ultrathin crystalline ALD nanotubes: process development and mechanism revealed by <i>in situ</i> TEM heating experiments. Nanoscale, 2023, 15, 9477-9483.	5.6	3
38249	Solvothermal synthesis of hair-like carbon nanotubes onto sub-micron-sized spherical metal oxide catalyst cores. RSC Advances, 2023, 13, 13809-13818.	3.6	1
38250	Organic and inorganic nanomaterials: fabrication, properties and applications. RSC Advances, 2023, 13, 13735-13785.	3.6	17
38251	First-principles study of the formation of single-walled SiC nanotubes from bilayered SiC ribbons. Physical Review B, 2023, 107, .	3.2	1
38252	Fullerenes, carbon nanotubes and graphene as tetrel bond donors and acceptors of electrophiles. CrystEngComm, 2023, 25, 3417-3438.	2.6	0
38253	Remediation of environmental toxicants using carbonaceous materials: opportunity and challenges. Environmental Science and Pollution Research, 2023, 30, 69727-69750.	5.3	2
38254	Trends and Perspectives Towards Activated Carbon and Activated Carbon-derived Materials in Environmental Catalysis Applications. , 2023, , 206-232.		1
38255	A comprehensive review on recent progress in carbon nano-onion based polymer nanocomposites. European Polymer Journal, 2023, 194, 112143.	5.4	7
38256	Electrochemistry of Thin Films and Nanostructured Materials. Molecules, 2023, 28, 4040.	3.8	2

#	ARTICLE	IF	CITATIONS
38257	A critical review on intrinsic conducting polymers and their applications. Journal of Industrial and Engineering Chemistry, 2023, 125, 14-37.	5.8	4
38258	Computation of some important degree-based topological indices for Γ^3 - graphyne and Zigzag graphyne nanoribbon. Molecular Physics, 2023, 121, .	1.7	15
38259	Electronic and Mechanical Properties of Endohedral Composites of Carbon Nanotubes with Potassium Iodide: DFT Study. Journal of Structural Chemistry, 2023, 64, 662-673.	1.0	1
38260	Synthesis of Graphene-like Materials from Acetylene Black, Activated Carbon, and Ketjenblack via Separated Microwave Electric and Magnetic Field Heating. Materials, 2023, 16, 3723.	2.9	0
38261	Local buckling behavior of multi-walled carbon nanotubes encapsulating C_{60} fullerenes. Carbon Trends, 2023, 11, 100269.	3.0	1
38262	Synthesis and application properties of polyaniline- α -amino- ϵ -carbon nanotube antistatic agents. Journal of Polymer Science, 0, , .	3.8	0
38263	Artificial frameworks towards ion-channel construction in proton exchange membranes. Journal of Power Sources, 2023, 574, 233081.	7.8	3
38264	Photocatalytic Reduction of Carbon Dioxide to Methanol: Carbonaceous Materials, Kinetics, Industrial Feasibility, and Future Directions. Energy & Fuels, 2023, 37, 7577-7602.	5.1	11
38265	Recent Progress and Perspective of an Evolving Carbon Family From 0D to 3D: Synthesis, Biomedical Applications, and Potential Challenges. ACS Applied Bio Materials, 2023, 6, 2043-2088.	4.6	3
38266	Role and Application of Nanostructures in Biotechnology. Nanoscience and Nanotechnology - Asia, 2023, 13, .	0.7	0
38267	An unsteady flow through porous media leads to a Newtonian fluid presence of CNTS and suction/injection. International Communications in Heat and Mass Transfer, 2023, 145, 106844.	5.6	1
38268	Carbon nanotubes for improving rheological and chemical properties of styrene-butadiene-styrene modified asphalt binder. International Journal of Pavement Engineering, 2023, 24, .	4.4	8
38269	Phases of He_4 and H_2 adsorbed on a single carbon nanotube. Physical Review B, 2023, 107, .	3.2	1
38270	Micron-Thick Interlocked Carbon Nanotube Films with Excellent Impact Resistance via Micro-Ballistic Impact. Small, 0, , .	10.0	0
38271	Resonance Raman spectroscopy characterization of linear carbon chains encapsulated by multi-walled carbon nanotubes. Carbon, 2023, 212, 118123.	10.3	10
38272	A review of boron nitride-based photocatalysts for carbon dioxide reduction. Journal of Materials Chemistry A, 2023, 11, 11925-11963.	10.3	10
38273	Nanosensors for crop protection. , 2023, , 323-349.		0
38274	Two-step method to realize continuous multi-wall carbon nanotube grafted on the fibers to improve the interface of carbon fibers/epoxy resin composites based on the Diels-Alder reaction. Carbon, 2023, 212, 118131.	10.3	10

#	ARTICLE	IF	CITATIONS
38275	Research on the mechanical properties of steel fibers reinforced carbon nanotubes concrete. Construction and Building Materials, 2023, 392, 131880.	7.2	3
38276	Periodic advancement of aluminium metal matrix composites: tribo-mechanical performance, corrosion properties, challenges and future. Advances in Materials and Processing Technologies, 0, , 1-24.	1.4	0
38277	First-principles and reactive molecular dynamics study of the elastic properties of pentahexoctite-based nanotubes. Mechanics of Materials, 2023, 183, 104694.	3.2	0
38278	Temperature optimization in a gas reactor for the synthesis of carbon nanofibers: A numerical approach. Thermal Science and Engineering Progress, 2023, 42, 101915.	2.7	0
38279	Toxicology of carbon nanostructures. Part 2. Nanoscale materials based on graphene sheets. Reviews on Clinical Pharmacology and Drug Therapy, 2023, 21, 5-22.	0.6	0
38280	The role of conductive fillers on the rheological behavior and electrical conductivity of multi-functional shear thickening fluids (M-STFs). Advanced Powder Technology, 2023, 34, 104086.	4.1	8
38281	Surface modification methods and mechanisms in carbon nanotubes dispersion. Carbon, 2023, 212, 118133.	10.3	14
38282	Effective Elastic Modulus of Wavy Single-Wall Carbon Nanotubes. Journal of Carbon Research, 2023, 9, 54.	2.7	0
38283	Thermal Property Characterisation for Tyre Rubber Materials. , 0, , .		0
38284	Synergistic Lubrication Mechanism of Nano-Fluid and Grinding Wheel Prepared by CNTs@T304 Nano-Capsules. Lubricants, 2023, 11, 244.	2.9	0
38285	Advances in Nanopharmacology: Focus on Reproduction, Endocrinology, Developmental Alterations, and Next Generational Effects. , 2023, , 100-138.		0
38286	Novel self-assembling cyclic peptides with reversible supramolecular nanostructures. Materials Chemistry Frontiers, 0, , .	5.9	1
38287	A Review on Carbon Nanotubes: Preparation, Properties and Applications. Journal of Research Updates in Polymer Science, 0, 9, 96-103.	0.3	0
38288	Reaction Pathway Analysis of B/Li ₂ O in a Li-B-O System for Boron Nitride Nanotube Growth. Chemistry of Materials, 2023, 35, 4857-4864.	6.7	4
38289	A studies on CNT mixed HVOF coating for water tube boiler material to improve the resistance of corrosion, oxidation and erosion-review. AIP Conference Proceedings, 2023, , .	0.4	0
38290	Silicon/Graphite/Carbon Nanotubes Composite as Anode for Lithium Ion Battery. International Journal of Electrochemical Science, 2015, 10, 2802-2811.	1.3	16
38291	Recent advances and challenges of carbon nano onions (CNOs) for application in supercapacitor devices (SCDs). Journal of Energy Storage, 2023, 71, 107928.	8.1	5
38292	The Effects of Thin Layer Diffusion at Glassy Carbon Electrodes Modified with Porous Films of Single-Walled Carbon Nanotubes. International Journal of Electrochemical Science, 2009, 4, 794-809.	1.3	86

#	ARTICLE	IF	CITATIONS
38293	Simultaneous Determination of Phenylhydrazine, Hydrazine and Sulfite Using a Modified Carbon Nanotube Paste Electrode. International Journal of Electrochemical Science, 2010, 5, 1203-1212.	1.3	33
38294	Hydrogen Peroxide Biosensor Based on the Bioelectrocatalysis of Myoglobin Incorporated in Multi-Walled Carbon Nanotubes/Chitosan Composite Film. International Journal of Electrochemical Science, 2008, 3, 118-124.	1.3	13
38295	Electrochemical Behavior of Carbon Nanotube/Mn(III) Salen Doped Carbon Paste Electrode and Its Application for Sensitive Determination of N-acetylcysteine in the Presence of Folic Acid. International Journal of Electrochemical Science, 2012, 7, 7684-7697.	1.3	58
38296	Transport and Kinetics at Carbon Nanotube " Redox Enzyme Composite modified Electrode Biosensors. International Journal of Electrochemical Science, 2009, 4, 77-103.	1.3	26
38297	Improved Voltammograms of Hydrocaffeic Acid on the Single-Walled Carbon Nanotube/Graphite-Film Surfaces. International Journal of Electrochemical Science, 2008, 3, 291-301.	1.3	25
38298	Carbon Nanotube Based Modified Electrode Biosensors. Part 1.Electrochemical Studies of the Flavin Group Redox Kinetics at SWCNT/Glucose Oxidase Composite Modified Electrodes.. International Journal of Electrochemical Science, 2008, 3, 819-853.	1.3	30
38299	Hydrothermal Synthesis of Leaf-shaped Ferric Oxide Particles onto Multi-walled Carbon Nanotubes (MWCNTs) and Its Catalysis for the Electrooxidation of Ascorbic Acid. International Journal of Electrochemical Science, 2009, 4, 943-953.	1.3	7
38300	High Sensitivity Glucose Biosensor Based on Pt Electrodeposition onto Low-density Aligned Carbon Nanotubes. International Journal of Electrochemical Science, 2008, 3, 1258-1267.	1.3	21
38301	Recent Progress in Electrode Fabrication Materials and Various Insights in Solar cells: Review. International Journal of Electrochemical Science, 2015, 10, 3301-3318.	1.3	19
38302	Using Multi-Walled Carbon Nanotubes as the Reducing Reagents to Prepare PtxSny Composite Nanoparticles by a Pyrolysis Method for Ethanol Oxidation Reaction. International Journal of Electrochemical Science, 2014, 9, 2221-2236.	1.3	10
38303	A Multiwall Carbon Nanotubes Paste Electrode as a Sensor and Ferrocenemonocarboxylic Acid as a Mediator for Electrocatalytic Determination of Isoproterenol. International Journal of Electrochemical Science, 2010, 5, 1484-1495.	1.3	55
38304	Voltammetric Determination of Carbidopa Using a modified Multiwall Carbon Nanotube Paste Electrode. International Journal of Electrochemical Science, 2012, 7, 2430-2439.	1.3	2
38305	Electrocatalytic Oxidation of Methanol and Formaldehyde on Platinum-Modified Poly(o-methoxyaniline)-Multiwalled Carbon Nanotube Composites. International Journal of Electrochemical Science, 2013, 8, 8191-8200.	1.3	10
38306	Voltammetric Determination of Amoxicillin at the Electrochemical Sensor Ferrocenedicarboxylic Acid Multi Wall Carbon Nanotubes Paste Electrode. International Journal of Electrochemical Science, 2011, 6, 1355-1366.	1.3	41
38307	Electrodeposited Platinum Nanoparticles on the Multi-Walled Carbon Nanotubes and its Electrocatalytic for Nitric Oxide. International Journal of Electrochemical Science, 2008, 3, 746-754.	1.3	29
38308	A Comparative Study of Carbon Nanotube paste Electrode for Development of Indicator-free DNA Sensors Using DPV and EIS: Human Interleukin-2 Oligonucleotide as a Model. International Journal of Electrochemical Science, 2009, 4, 1436-1451.	1.3	37
38309	Electrocatalytic Determination of Glutathione Using Multiwall Carbon Nanotubes Paste Electrode as a Sensor and Isoprenaline as a Mediator. International Journal of Electrochemical Science, 2012, 7, 6816-6830.	1.3	32
38310	Green chemistry: Developments and perspectives for sample treatment in forensic methodologies. Wiley Interdisciplinary Reviews Forensic Science, 0, , .	2.1	0

#	ARTICLE	IF	CITATIONS
38311	Electrocatalytic Activities of Pd-Ni Nanoparticles Obtained on Multiwalled Carbon Nanotubes towards Oxygen Evolution in 1M KOH. International Journal of Electrochemical Science, 2008, 3, 416-426.	1.3	19
38312	Simultaneous Voltammetric Determination of Epinephrine and Acetaminophene at the Surface of Modified Carbon Nanotube Paste Electrode. International Journal of Electrochemical Science, 2011, 6, 1307-1316.	1.3	15
38313	Poly(brilliant cresyl blue) Electrodeposited on Multi-Walled Carbon Nanotubes Modified Electrode and Its Application for Persulfate Determination. International Journal of Electrochemical Science, 2012, 7, 9161-9173.	1.3	19
38314	Carbon Nanotubes-Silicon Nanocomposites Based Resistive Temperature Sensors. International Journal of Electrochemical Science, 2015, 10, 3784-3791.	1.3	22
38315	Electrochemical Sensor for As (III) Utilizing CNTs/Leucine/Nafion Modified Electrode. International Journal of Electrochemical Science, 2012, 7, 175-185.	1.3	23
38316	Novel Carbon Nanotube Paste Electrode for Simultaneous Determination of Norepinephrine, Uric Acid and D-Penicillamine. International Journal of Electrochemical Science, 2010, 5, 531-546.	1.3	51
38317	Electrocatalytic Measurement of Trace Amount of Captopril Using Multiwall Carbon Nanotubes as a Sensor and Ferrocene as a Mediator. International Journal of Electrochemical Science, 2011, 6, 705-716.	1.3	25
38318	Transport and Kinetics at Carbon Nanotube “Redox Enzyme Composite Modified Electrode Biosensors Part 2. Redox enzyme dispersed in nanotube mesh of finite thickness. International Journal of Electrochemical Science, 2009, 4, 1196-1236.	1.3	14
38319	Density Functional Theory for Buckyballs within Symmetrized Icosahedral Basis. Nanomaterials, 2023, 13, 1912.	4.1	0
38320	An Nb-doped Nickel Oxide-Carbon Nanotubes Composite- Enhanced Electrochemical DNA Biosensor for Detection of Lead(II) Ion. International Journal of Electrochemical Science, 2015, 10, 9015-9027.	1.3	5
38321	Multi-Walled Carbon Nanotube-Gold Nanocomposites toward Oxygen Reduction Reaction. International Journal of Electrochemical Science, 2013, 8, 5343-5358.	1.3	10
38322	Electrocatalytic and Simultaneous Determination of Phenylhydrazine and Hydrazine Using Carbon Paste Electrode Modified With Carbon Nanotubes and Ferrocenedicarboxylic Acid. International Journal of Electrochemical Science, 2010, 5, 782-796.	1.3	10
38323	Nitroazobenzene Functionalized Carbon Powder: Spectroscopic Evidence for Molecular Cleavage. International Journal of Electrochemical Science, 2008, 3, 1218-1235.	1.3	11
38324	Evaluation of Carbon Nanotube Paste Electrode Modified With Copper Microparticles and Its Application to Determination of Quercetin. International Journal of Electrochemical Science, 2011, 6, 804-818.	1.3	30
38325	A field emission performance testing device with adjustable electrode spacing. , 2023, , .		0
38326	Recent progress and challenges in coal-derived porous carbon for supercapacitor applications. Chemical Engineering Journal, 2023, 470, 144441.	12.7	17
38327	Activity competition of catalysts and supports materials on the growth of carbon nanotubes with ZrO ₂ /Fe catalyst. Applied Surface Science, 2023, 637, 157889.	6.1	0
38328	Metal catalyst supported on modified Carbon Nano Tubes (CNTs) for cross-coupling reactions. Inorganic Chemistry Communication, 2023, 156, 110979.	3.9	2

#	ARTICLE	IF	CITATIONS
38329	Single-Walled Carbon Nanotube and Hemoglobin used in a Dopamine Biosensor. International Journal of Electrochemical Science, 2014, 9, 8367-8379.	1.3	1
38330	Electrochemical Determination of Ascorbic Acid Using Poly(Xanthurenic Acid) and Multi-Walled Carbon Nanotubes. International Journal of Electrochemical Science, 2012, 7, 12752-12763.	1.3	27
38331	The Phenol Biosensor Based on LDHs / SWNTs Hybrid Materials. International Journal of Electrochemical Science, 2016, 11, 777-791.	1.3	0
38332	The Coupling of Dihydroxybenzene Derivatives to MWCNT and Electrochemical NADH Oxidation. Afyon Kocatepe University Journal of Sciences and Engineering, 2023, 23, 608-617.	0.2	0
38333	Gold (Au) Huge Particles Prepared by a Simple Pyrolysis of AuCl ₃ Dissolved in Various Solvents in the Presence of MWCNTs. International Journal of Electrochemical Science, 2012, 7, 4663-4672.	1.3	4
38334	Electron Beam Irradiated ZnO Nanoparticles / Oxidized MWCNTs Modified GCE as a Supercapacitor. International Journal of Electrochemical Science, 2015, 10, 7771-7782.	1.3	2
38335	Simultaneous Determination of Folic Acid and Uric Acid under Coexistence of L-Ascorbic Acid Using a Modified Electrode Based on Poly (3,4-Ethylenedioxythiophene) and Functionalized Single-Walled Carbon Nanotubes Composite. International Journal of Electrochemical Science, 2013, 8, 7016-7029.	1.3	18
38336	Highly Water-Stable PEDOT:PSS Composite Electrode Decorated with Polyvinylpyrrolidone and Carbon Nanotubes for Sensitive Detection of Eugenol. International Journal of Electrochemical Science, 2015, 10, 6997-7012.	1.3	15
38337	Electrochemical Behavior and Voltammetric Determination of Chlorpheniramine Maleate by Means of Multiwall Carbon Nanotubes-Modified Glassy Carbon Electrode. International Journal of Electrochemical Science, 2015, 10, 7241-7250.	1.3	12
38338	Square Wave Voltammetric Detection of Dimethylvinphos and Naftalofos in Food and Environmental Samples Using RGO/CS modified Glassy Carbon Electrode. International Journal of Electrochemical Science, 2016, 11, 65-79.	1.3	6
38339	Three Dimensional Graphene Oxide-Carbon Nanotubes and Graphene-Carbon Nanotubes Hybrids. International Journal of Electrochemical Science, 2013, 8, 11641-11660.	1.3	99
38340	Voltammetric Determination of N-Actylcysteine Using Modified Multiwall Carbon Nanotubes Paste Electrode. International Journal of Electrochemical Science, 2011, 6, 6141-6150.	1.3	64
38341	Recent advances in metal-organic framework/carbon nanotube nanocomposites for developing analytical applications. Nanoscale, 2023, 15, 11457-11465.	5.6	1
38342	Electrocatalytic Determination of Carbidopa and Acetaminophen Using a Modified Carbon Nanotube Paste Electrode. International Journal of Electrochemical Science, 2011, 6, 6557-6566.	1.3	20
38343	Fabrication of Prussian Blue/Multi-Walled Carbon Nanotubes Modified Glassy Carbon Electrode for Electrochemical Detection of Hydrogen Peroxide.. International Journal of Electrochemical Science, 2012, 7, 4302-4313.	1.3	38
38344	Electrocatalytic Detection of Isoproterenol at a Ferrocene-Multiwall Carbon Nanotubes Paste Electrode. International Journal of Electrochemical Science, 2011, 6, 2596-2608.	1.3	23
38345	Carbon nanotube and graphene reinforced magnesium matrix composites: A state-of-the-art review. Journal of Magnesium and Alloys, 2023, 11, 1825-1905.	11.9	8
38346	Vibration Analysis of Single-Walled Carbon Nanotubes Embedded in a Polymer Matrix under Magnetic Field Considering the Surface Effect Based on Nonlocal Strain Gradient Elasticity Theory. Physical Mesomechanics, 2023, 26, 329-345.	1.9	0

#	ARTICLE	IF	CITATIONS
38347	Molecular Chemistry in Cavity Strong Coupling. Chemical Reviews, 2023, 123, 8099-8126.	47.7	8
38348	Twin 1±-trigraphyne: a new two-dimensional carbon material. Physical Chemistry Chemical Physics, 2023, 25, 19195-19206.	2.8	3
38349	Theoretical Substantiation of the Possibility of Predicting the Catalytic Activity of Carbon Nanotubes in the Diels–Alder Reaction. Catalysis Letters, 2024, 154, 1284-1295.	2.6	0
38350	Weakly nonlocal Rayleigh waves with impedance boundary conditions. Continuum Mechanics and Thermodynamics, 2023, 35, 2081-2094.	2.2	0
38351	Na doped CuO as a new Day- Night (Photo) Catalyst. Journal of Nanoparticle Research, 2023, 25, .	1.9	2
38352	Hydrotrope-assisted interconnected mesoporous polyindole-decorated carbon nanotubes: synthesis, characterisation, and fabrication of asymmetric supercapacitor. New Journal of Chemistry, 0, , .	2.8	1
38353	Thermodynamics Properties of (6, 6, 12)-Graphyne Structure Due to Biaxial Strain and Magnetic Field Effects. ECS Journal of Solid State Science and Technology, 2023, 12, 071001.	1.8	1
38354	Recent Synthetic Methods towards Graphdiyne. ChemNanoMat, 2023, 9, .	2.8	2
38355	Transport in Nanoporous Media. Engineering, 2023, , .	6.7	1
38356	Dispersion of carbon nanotubes in aqueous cementitious materials: A review. Nanotechnology Reviews, 2023, 12, .	5.8	1
38357	New approach for modeling randomly distributed CNT reinforced polymer nanocomposite with van der Waals interactions. Mechanics of Advanced Materials and Structures, 2024, 31, 218-229.	2.6	1
38358	Gas-Phase Synthesis of Coronene through Stepwise Directed Ring Annulation. Journal of the American Chemical Society, 2023, 145, 15443-15455.	13.7	1
38359	Microwave-assisted synthesis of carbon-based nanomaterials from biobased resources for water treatment applications: emerging trends and prospects. , 0, 2, .		3
38360	Carbon-Based Nanostructured Bio-Assemblies for Bioelectrochemical Applications. , 2024, 2, 208-224.		0
38361	Nanotechnology for High-Performance Textiles: A Promising Frontier for Innovation. ChemNanoMat, 2023, 9, .	2.8	4
38362	A review on recent advancements in electrochemical detection of dopamine using carbonaceous nanomaterials. Carbon, 2023, 213, 118281.	10.3	8
38363	Recent advances and progress in biotemplate catalysts for electrochemical energy storage and conversion. Advances in Colloid and Interface Science, 2023, 318, 102958.	14.7	6
38364	Fabrication of a Cholesterol Biosensor Based on Cholesterol Oxidase and Multiwall Carbon Nanotube Hybrid Composites. International Journal of Electrochemical Science, 2011, 6, 2223-2234.	1.3	27

#	ARTICLE	IF	CITATIONS
38365	An Atomistic Study of the Tensile Deformation of Carbon Nanotube-Polymethylmethacrylate Composites. <i>Polymers</i> , 2023, 15, 2956.	4.5	4
38366	Divalent cation contributions to the co-transport and deposition of functionalized multi-walled carbon nanotubes in porous media in the presence of bentonite or goethite nanoparticles: Experiment and simulation. <i>Journal of Hydrology</i> , 2023, 625, 129909.	5.4	1
38367	Synthesis and formation mechanism of cobalt compound nanotubes. <i>Inorganic Chemistry Communication</i> , 2023, 155, 111039.	3.9	0
38369	Carbon Nanotubes Particles: Processing, Mechanical Properties and Application. , 2023, , 19-49.		0
38370	Smart chemistry and applied perceptions of enzyme-coupled nano-engineered assemblies to meet future biocatalytic challenges. <i>Coordination Chemistry Reviews</i> , 2023, 493, 215329.	18.8	9
38372	Layered Grain Growth of Aluminum Between MWCNT Layers During Sintering of Al-MWCNT Composites. <i>Springer Proceedings in Physics</i> , 2023, , 23-27.	0.2	0
38373	Long-term prospects of nano-carbon and its derivatives as anode materials for lithium-ion batteries – A review. <i>Journal of Energy Storage</i> , 2023, 72, 108178.	8.1	7
38374	A comparative study on pulsating flow of Au-SWCNT/blood and Au-MWCNT/blood based Jeffrey hybrid nanofluid in a vertical porous channel with entropy generation. <i>Numerical Heat Transfer; Part A: Applications</i> , 0, , 1-17.	2.1	3
38375	Stability Analysis of Shear Deformable Inhomogeneous Nanocomposite Cylindrical Shells under Hydrostatic Pressure in Thermal Environment. <i>Materials</i> , 2023, 16, 4887.	2.9	6
38376	Derivation of mathematical closed form expressions for certain irregular topological indices of 2D nanotubes. <i>Scientific Reports</i> , 2023, 13, .	3.3	11
38377	Fabrication of Poly (Trans-3-(3-Pyridyl)Acrylic Acid)/Multi-Walled Carbon Nanotubes Membrane for Electrochemically Simultaneously Detecting Catechol and Hydroquinone. <i>Membranes</i> , 2023, 13, 657.	3.0	0
38378	Vibrational and structural dynamics of graphyne. <i>International Reviews in Physical Chemistry</i> , 2022, 41, 205-232.	2.3	0
38379	Green synthesis of N-doped MWCNTs via simple modification of CVD technique and evaluation of its viability as an electrode in AEMFC. <i>Journal of Analytical and Applied Pyrolysis</i> , 2023, , 106082.	5.5	0
38380	Influence of CNT waviness on the effective young's modulus of multiscale hybrid composite. <i>AIP Conference Proceedings</i> , 2023, , .	0.4	1
38381	Poly(lactic Acid) Nanofiber Membranes Grafted with Carbon Nanotubes with Enhanced Mechanical and Electrical Properties. <i>ACS Applied Polymer Materials</i> , 2023, 5, 6081-6094.	4.4	2
38383	Study the most critical factors that influence the thermal conductivity of multi-walled carbon nanotubes. <i>AIP Conference Proceedings</i> , 2023, , .	0.4	0
38384	Nonlocal strain gradient model for thermal buckling analysis of functionally graded nanobeams. <i>Acta Mechanica</i> , 2023, 234, 5053-5069.	2.1	4
38385	Study of magnetic properties of Ising nanowires with core-shell structure. <i>European Physical Journal B</i> , 2023, 96, .	1.5	2

#	ARTICLE	IF	CITATIONS
38386	Electrospinning Processing of Polymer/Nanocarbon Nanocomposite Nanofibersâ€™ Design, Features, and Technical Compliances. Journal of Composites Science, 2023, 7, 290.	3.0	1
38387	Design and fabrication of TiO2-based dye sensitized solar cells using plant-derived organic dyes. AIP Advances, 2023, 13, .	1.3	0
38388	Exploring the mechanism of electron transfer-mediated peroxymonosulfate activation over Cu-based catalyst for the selective decomposition of bisphenol A. Chemical Engineering Journal, 2023, 471, 144774.	12.7	2
38389	Recent developments in carbon nanomaterials-based electrochemical sensors for methyl parathion detection. Journal of Food Measurement and Characterization, 2023, 17, 5371-5389.	3.2	25
38390	Effects of Stone-Wales defects on structure and electrical properties of double-walled silicon nanotubes by SCC-DFTB method. Materials Today Communications, 2023, 36, 106654.	1.9	0
38391	Multi-scale Friction Simulation and Experimental Verification of Carbon Nanotube-Reinforced PTFE Composites. Tribology Letters, 2023, 71, .	2.6	0
38392	Recent advances of carbon nanotubes as electrocatalyst for in-situ hydrogen production and CO2 conversion to fuels. Results in Chemistry, 2023, 6, 101037.	2.0	2
38393	Ni3Fe@N-doped carbon nanotubes 3D network induced by nanoconfined symmetry breaking for high-performance microwave absorption, corrosion protection, and pollutant purification. Carbon, 2023, 213, 118302.	10.3	13
38394	Carbonaceous Nanomaterials for Phototherapy of Cancer. Technology in Cancer Research and Treatment, 2023, 22, .	1.9	0
38395	Physical mechanism on the linear spectrum and nonlinear spectrum in a twist bilayer graphdiyne nanodisk. Physical Chemistry Chemical Physics, 2023, 25, 20049-20065.	2.8	1
38396	Role of Nanomaterials in the Treatment of Wastewater. , 2023, , 125-144.		1
38397	Nanotechnology for Sustainable Agriculture: Current Trends and Future Prospects. , 2023, , 43-75.		0
38398	Carbon nanotube field effect transistors: an overview of device structure, modeling, fabrication and applications. Physica Scripta, 2023, 98, 082003.	2.5	4
38399	Analytical modeling of buckling of carbon nanotubes reinforced sandwich-structured composite shells resting on elastic foundations. Gazi University Journal of Science, 0, , .	1.2	0
38400	Aligned Carbon Nanotubes-Based Radiofrequency Transistors for Amplitude Amplification and Frequency Conversion at Millimeter Wave Band. ACS Nano, 0, , .	14.6	0
38401	Materials, performances and applications of electric heating films. Renewable and Sustainable Energy Reviews, 2023, 184, 113540.	16.4	0
38402	Continuous Preparation of High-performing Carbon Nanotube Fibers Based on Cycloalkane/ethanol Mixing Carbon Source. Acta Chimica Sinica, 2023, 81, 565.	1.4	0
38403	A Review of the Carbon-Based Solid Transducing Layer for Ion-Selective Electrodes. Molecules, 2023, 28, 5503.	3.8	1

#	ARTICLE	IF	CITATIONS
38404	Impact of nanotechnology on progress of flow methods in chemical analysis: A review. <i>Analytica Chimica Acta</i> , 2023, 1276, 341643.	5.4	1
38405	Research on Performance Deterioration of Multi-Walled Carbon Nanotubeâ€“Lithium Slag Concrete under the Coupling Effect of Sulfate Attack and Dryâ€“Wet Cycles. <i>Materials</i> , 2023, 16, 5130.	2.9	1
38406	Gas flowâ€“directed growth of aligned carbon nanotubes from nonmetallic seeds. <i>Carbon</i> , 2023, 214, 118309.	10.3	1
38407	Recent advances on the construction of multidimensional polydopamine-based nanostructures. <i>European Polymer Journal</i> , 2023, , 112319.	5.4	1
38408	An efficient HCN gas sensor by functionalized, decorated, and doped carbon nanocone strategy: A theoretical study. <i>Inorganic Chemistry Communication</i> , 2023, 156, 111118.	3.9	1
38409	Influence of Carbon Nanotubes on Stability and Vibration Characteristics of Plates and Panels in Thermal Environment: A Review. <i>Archives of Computational Methods in Engineering</i> , 2024, 31, 147-178.	10.2	1
38411	Molecular Dynamics Modeling for the Determination of Elastic Moduli of Polymerâ€“Single-Walled Carbon Nanotube Composites. <i>International Journal of Molecular Sciences</i> , 2023, 24, 11807.	4.1	0
38412	Carbon materials: structures, properties, synthesis and applications. <i>Manufacturing Review</i> , 2023, 10, 13.	1.5	0
38413	Release and toxicity assessment of carbon nanomaterial reinforced polymers during the use and end-of-life phases: A comparative review. <i>NanoImpact</i> , 2023, , 100477.	4.5	0
38414	A Janus membrane doped with carbon nanotubes for wetâ€“thermal management. <i>Nanoscale Advances</i> , 2023, 5, 4579-4588.	4.6	2
38415	Theoretical study on efficient HF gas sensing by functionalized, decorated, and doped nanocone strategy. <i>Journal of Molecular Graphics and Modelling</i> , 2023, , 108574.	2.4	0
38416	Carbon nanofibers and polyvinyl-alcohol fiber hybrid-reinforced high-performance concrete: Mechanical property, chloride penetration resistance, and material characterization. <i>Construction and Building Materials</i> , 2023, 399, 131891.	7.2	2
38417	Continuum modeling for lithium storage inside nanotubes. <i>Frontiers in Physics</i> , 0, 11, .	2.1	0
38418	Unsteady non-axisymmetric MHD Homann stagnation point flow of CNTs-suspended nanofluid over convective surface with radiation using Yamadaâ€“Ota model. <i>International Journal of Modern Physics B</i> , 2023, 37, .	2.0	9
38419	From Pristine to Heteroatomâ€“Doped Graphene Quantum Dots: An Essential Review and Prospects for Future Research. <i>Small</i> , 2023, 19, .	10.0	9
38420	Novel carbon allotropes in all-sp ² bonding networks: self-assembling design and first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 21573-21578.	2.8	2
38421	Dielectric elastomer actuators: materials and design. <i>Russian Chemical Reviews</i> , 2023, 92, .	6.5	4
38422	Nanocomposites for Removal and Degradation of Organic Pollutants. , 2023, , 519-558.		0

#	ARTICLE	IF	CITATIONS
38423	The role of carbon nanotubes in the reactions of heterogeneous catalysis. Chemical Engineering Research and Design, 2023, 197, 74-84.	5.6	1
38424	Welding Model for a Carbon Nanotube Bundle with Staggered Electrodes: Implications for Conductivity with Joule Heating. ACS Applied Nano Materials, 2023, 6, 14488-14497.	5.0	1
38425	Poly (Ionic Liquid)-Metal Organic Framework-Derived Nanoporous Carbon Membranes: Facile Fabrication and Ultrahigh Areal Capacitance. Macromolecular Rapid Communications, 2023, 44, .	3.9	3
38426	Effect of small amount of functionalized multi-walled carbon nanotubes on the properties of rigid polyisocyanurate and polyurethane foam composites. Frontiers in Forests and Global Change, 0, , .	1.1	0
38427	Kohlenstoffgruppe: Elemente der vierten Hauptgruppe. , 2023, , 217-282.		0
38428	Carbon Nanorings and Nanobelts: Material Syntheses, Molecular Architectures, and Applications. Advanced Functional Materials, 2023, 33, .	14.9	3
38429	Carbon Nanotubes and Nucleic Acids. , 2023, , 1797-1834.		0
38430	Inter-shell Sliding in Individual Few-Walled Carbon Nanotubes for Flexible Electronics. Advanced Materials, 2023, 35, .	21.0	0
38432	MHD thermo-radiative heat transfer characteristics of carbon nanotubes based nanofluid over a convective expanding sheet in a porous medium with variable thermal conductivity. International Journal of Modelling and Simulation, 0, , 1-12.	3.3	1
38433	Analytical solution for nonlocal forced vibration of elliptical nanorod under linear and nonlinear external torque. Applied Mathematical Modelling, 2023, 124, 353-366.	4.2	1
38434	Multiple Bound State Soliton Pulses in the All Polarization Maintaining Fiber Laser. Micromachines, 2023, 14, 1528.	2.9	0
38435	Selective emergence of photoluminescence at telecommunication wavelengths from cyclic perfluoroalkylated carbon nanotubes. Communications Chemistry, 2023, 6, .	4.5	1
38437	Lightweight and sustainable materials for aerospace applications. , 2023, , 157-178.		5
38438	Deposition of carbon-based materials directly on copper foil and nickel foam as 2D-and 3D-networked metal substrates by in-liquid plasma. Plasma Processes and Polymers, 0, , .	3.0	0
38439	Green Synthesis of Carbon Nanomaterials. , 2023, , 3143-3160.		0
38440	Reactor processes for value added carbon synthesis and turquoise hydrogen. Advances in Chemical Engineering, 2023, , 133-192.	0.9	0
38441	Flexible Pressure Sensors Based on CB/CNTS@PDMS for Wind Pressure Field Monitoring of Cable-stayed Bridge Using Machine Learning. IEEE Sensors Journal, 2023, , 1-1.	4.7	0
38442	Investigation of the electrical sensing properties of cementitious composites produced with multi-wall carbon nanotubes dispersed in NaOH. Journal of Building Engineering, 2023, 77, 107496.	3.4	1

#	ARTICLE	IF	CITATIONS
38443	Zirconia-Based Ceramics Reinforced by Carbon Nanotubes: A Review with Emphasis on Mechanical Properties. <i>Ceramics</i> , 2023, 6, 1705-1734.	2.6	1
38444	Carbon Nano Tubes (CNTs) as a Tool of Seed Quality Enhancement Using Nanoprimer Approach. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2023, , 90-109.	0.4	0
38445	Recent advances in the applications of CNT-based nanomaterials in pharmaceutical nanotechnology and biomedical engineering. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 87, 104834.	3.0	3
38446	Carbon nanotubes with point defects produced by ionizing radiation: a study using DFTB. <i>European Physical Journal D</i> , 2023, 77, .	1.3	1
38448	Advances in Structure Pharmaceuticals from Discovery to Evaluation and Design. <i>Molecular Pharmaceuticals</i> , 0, , .	4.6	0
38449	Tribology-informed analysis of convective energy transfer in ternary hybrid nanofluids on inclined porous surfaces. <i>Tribology International</i> , 2023, 188, 108860.	5.9	6
38450	Role and impact of surfactants in carbon nanotube dispersions and sorting. <i>Journal of Surfactants and Detergents</i> , 2023, 26, 607-622.	2.1	2
38451	Investigation of thermal stability of aluminum matrix nanocomposites using functionalized MWCNTs. <i>Materials Today Communications</i> , 2023, 36, 106845.	1.9	0
38452	Immobilized nickel boride nanoparticles on magnetic functionalized multi-walled carbon nanotubes: a new nanocomposite for the efficient one-pot synthesis of 1,4-benzodiazepines. <i>Nanoscale Advances</i> , 2023, 5, 4499-4520.	4.6	0
38453	An Experimental Approach to Assess the Sensitivity of a Smart Concrete. <i>Buildings</i> , 2023, 13, 2034.	3.1	1
38455	Study on Mechanical Properties of Carbon Nanotube Reinforced Composites. <i>Polymers</i> , 2023, 15, 3362.	4.5	1
38456	A review on catalytic pyrolysis of municipal plastic waste. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2023, 12, .	4.1	1
38457	Graphene, its Family and Potential Applications. , 2023, , 87-125.		1
38458	Supercapacitors: Carbon technology. , 2023, , .		0
38459	Matching Polynomial-Based Similarity Matrices and Descriptors for Isomers of Fullerenes. <i>Inorganics</i> , 2023, 11, 335.	2.7	0
38460	Active damping of multiscale composite shells using Sinus theory incorporated with Murakami's zig-zag function. <i>Thin-Walled Structures</i> , 2023, 191, 111063.	5.3	3
38461	Enhanced Cartilage and Subchondral Bone Repair Using Carbon Nanotube-Doped Peptide Hydrogel-Polycaprolactone Composite Scaffolds. <i>Pharmaceutics</i> , 2023, 15, 2145.	4.5	0
38462	Enhancing of ofloxacin oxidation current through the overvoltage position displacement using carbon paste electrode modified by silver particles: Analytical application in water. , 2023, 1, 100013.		0

#	ARTICLE	IF	CITATIONS
38463	Efficient charge separation and transfer in a one-dimensional carbon nanotube/tungsten oxide p-n heterojunction composite for solar energy conversion. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 23222-23232.	2.8	0
38467	Bending and free vibration analyses of CNTRC shell structures considering agglomeration effects with through-the-thickness stretch. <i>Thin-Walled Structures</i> , 2023, 191, 111036.	5.3	2
38470	Miakh's carbon allotropes: Three novel two-dimensional carbon allotropes with sp ² +sp ³ hybridized network. <i>Computational Materials Science</i> , 2023, 229, 112437.	3.0	0
38471	Fabrication of super-high energy density asymmetric supercapacitor prototype device employing NiCo ₂ S ₄ @f-MWCNT nanocomposite. <i>Journal of Energy Storage</i> , 2023, 72, 108657.	8.1	8
38472	Study on the law and mechanism of anisotropic conductivity of carbon nanotubes film prepared by floating catalytic chemical vapor deposition method. <i>Journal of Materials Research and Technology</i> , 2023, 26, 3571-3585.	5.8	1
38473	Geometrical and chemical effects on the electrochemistry of single-wall carbon nanotube (SWCNT) network electrodes. <i>Electrochimica Acta</i> , 2023, 466, 143059.	5.2	0
38474	Carbon nanobelts with zigzag and armchair edge and interlocked carbon nanobelts for chirality. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2024, 304, 123286.	3.9	0
38475	Anisotropic Microwave Properties of Vertically Aligned Carbon Nanotube Arrays. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2024, 72, 919-926.	4.6	0
38476	Carbon Nanotube Field Effect Transistors Based Low THD and Noise-Immune Double Stage Differential Amplifier for Nanoelectronics. <i>GSTF Journal of Engineering Technology</i> , 2015, 3, .	0.0	0
38477	Functionalized Carbon Nanotubes, Graphene Oxide, Fullerenes, and Nanodiamonds: Emerging Theranostic Nanomedicines. , 2023, , 187-213.		1
38478	Modeling of carbon nanoparticle synthesis using arc discharge method in variation through electrode's shape and gap. <i>Journal of Physics: Conference Series</i> , 2023, 2556, 012012.	0.4	0
38479	Effect of carbon nanotube (CNT)-reinforced polymers and biopolymer matrix on interface damage of nanocomposite materials. <i>Emergent Materials</i> , 2023, 6, 1589-1602.	5.7	1
38480	Significant strengthening of copper-based composites using boron nitride nanotubes. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2023, 30, 1764-1778.	4.9	0
38481	Identification of Material Dimensionality Based on Force Constant Analysis. <i>Journal of Physical Chemistry Letters</i> , 2023, 14, 7840-7847.	4.6	1
38482	Differential multi-probe thermal transport measurements of multi-walled carbon nanotubes grown by chemical vapor deposition. <i>International Journal of Heat and Mass Transfer</i> , 2023, 216, 124535.	4.8	0
38483	Exploring biomimetic membranes: applications and challenges. , 2023, , 113-148.		0
38484	Carbon-Based Nanomaterials and Their Properties. , 2023, , 263-278.		1
38485	Rainbow-Colored Carbon Nanotubes via Rational Surface Engineering for Smart Visualized Sensors. <i>Advanced Science</i> , 2023, 10, .	11.2	1

#	ARTICLE	IF	CITATIONS
38486	Bending and eigenfrequency analysis of glass fiber reinforced honeycomb sandwich shell panels containing graphene-decorated with graphene quantum dots. Engineering Structures, 2023, 294, 116685.	5.3	0
38487	The effect of using multi-walled carbon nanotubes on the mechanical properties of concrete: a review. Innovative Infrastructure Solutions, 2023, 8, .	2.2	0
38488	Entropy generation analysis of CNTâ€based nanofluid flows induced by a moving plate. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 0, , .	1.6	0
38489	Carbonâ€Based Nanomaterials Electrodes of Ionic Soft Actuators: From Initial 1D Structure to 3D Composite Structure for Flexible Intelligent Devices. Small, 2023, 19, .	10.0	0
38490	IEEE oral history project: Academician Yu. V. Gulyaev. Part 5. Infocommunications and Radio Technologies, 2023, 6, 356-366.	0.2	0
38491	Polymer Crystallization on One-Dimensional Templates: From a Hybrid Shish-Kebab-like Structure to Material Properties. Crystal Growth and Design, 0, , .	3.0	0
38492	Recent Advances in DNA Nanomaterials. Nanomaterials, 2023, 13, 2449.	4.1	1
38493	Liquidâ€Liquid Interfacial Nanoarchitectonics. Small, 0, , .	10.0	4
38494	Nanobiomaterial-Based Biosensors for the Diagnosis of Infectious Diseases. , 2023, , 241-257.		0
38495	Disposable Electrochemical Nanobiosensors for Biomolecular Analysis. , 2023, , 569-598.		0
38496	Functionalization Techniques for Carbon Dedicated to Electrochemical Use. Materials Horizons, 2024, , 253-271.	0.6	0
38497	Pd doped carbon nanotubes as a drug carrier for Gemcitabine anticancer drug: DFT studies. Chemical Physics Impact, 2023, 7, 100298.	3.5	6
38498	Forms of Functionalized Carbon-Based Nanomaterials, Synthesis, Classifications, and Their Electrochemical Activities for Supercapacitors. Materials Horizons, 2024, , 273-297.	0.6	0
38499	Enhancing the performance of anti-blast windows through the use of carbon nanotube reinforced polymer gaskets. Journal of Building Engineering, 2023, 78, 107634.	3.4	0
38500	Dynamic polymer nanocomposites towards strain sensors and customizable resistors. , 2023, 1, 30-45.		2
38501	Engineering carbon nanomaterials toward high-efficiency bioelectrocatalysis for enzymatic biofuel cells: a review. Materials Chemistry Frontiers, 2023, 7, 5806-5825.	5.9	2
38502	Carbon-Based Materials for Energy Storage Devices: Types and Characterization Techniques. Physchem, 2023, 3, 355-384.	1.1	0
38503	Advancements in Laser Powder Bed Fusion of Carbon Nanotubes-Reinforced AlSi10Mg Alloy: A Comprehensive Analysis of Microstructure Evolution, Properties, and Future Prospects. Metals, 2023, 13, 1619.	2.3	1

#	ARTICLE	IF	CITATIONS
38504	Catalytic Chemical Vapor Deposition Methodology for Carbon Nanotubes Synthesis. ChemistrySelect, 2023, 8, .	1.5	5
38505	A stable trigon-based 3D carbon allotrope with ultralow lattice thermal conductivity. Journal of Materials Chemistry C, 2023, 11, 10722-10729.	5.5	0
38506	Metal-free nanostructured carbon inks for a sustainable fabrication of zinc/air batteries: From ORR activity to a simple prototype. , 0, , .		1
38507	Recent Advances in Functionalization Strategies for Biosensor Interfaces, Especially the Emerging Electro-Click: A Review. Chemosensors, 2023, 11, 481.	3.6	0
38508	Storage and Application of Hydrogen Energy. , 2023, , 203-235.		0
38509	Fast, scalable, and environmentally friendly method for production of stand-alone ultrathin reduced graphene oxide paper. Carbon, 2023, 215, 118436.	10.3	2
38510	Failure-analysis of carbon nanotubes and their extreme applications. Nano Research, 2023, 16, 12364-12383.	10.4	0
38511	Transparent Electronics for Wearable Electronics Application. Chemical Reviews, 2023, 123, 9982-10078.	47.7	20
38512	Interlayer Conductance in the Armchair Nanotube - Zigzag Graphene Ribbon Parallel Contact: Theoretical Proposal of Detection of Wavefunction Growing from the Edge to the Center in the Graphene Ribbon. Journal of the Physical Society of Japan, 2023, 92, .	1.6	0
38513	Facile fabrication of Fe-Fe ₃ C nanoparticles decorated with carbon nanotubes for sensitive dopamine detection. Journal of Electroanalytical Chemistry, 2023, 948, 117793.	3.8	1
38514	Prospects, challenges, and opportunities of the metals-modified TiO ₂ based photocatalysts for hydrogen generation under solar light irradiation: A review. FlatChem, 2023, 42, 100547.	5.6	3
38515	Nicotine in Complex Samples: Recent Updates on the Pretreatment and Analysis Method. Critical Reviews in Analytical Chemistry, 2023, 53, 1209-1238.	3.5	0
38516	Chemiresistive sensing with functionalized carbon nanotubes. Nature Reviews Methods Primers, 2023, 3, .	21.2	5
38517	Enhancement effect of Ni and NiO on gas sensing characteristics of carbon nanotube based structures. Fullerenes Nanotubes and Carbon Nanostructures, 2023, 31, 1115-1122.	2.1	0
38518	The reformation of catalyst: From a trial-and-error synthesis to rational design. Nano Research, 0, , .	10.4	16
38520	Effect of surface modification and sodium dodecyl sulfate (SDS) on thermal properties of PMMA/SWCNT nanocomposites. Plastics, Rubber and Composites, 2023, 52, 516-530.	2.0	0
38521	Zero-, one- and two-dimensional carbon nanomaterials as low-cost catalysts in optical and electrochemical sensing of biomolecules and environmental pollutants. Microchemical Journal, 2023, 194, 109291.	4.5	3
38522	Topological indices and graph entropies for carbon nanotube Y-junctions. Journal of Mathematical Chemistry, 2024, 62, 73-108.	1.5	3

#	ARTICLE	IF	CITATIONS
38523	Carbon nanomaterials in prodrug-based therapeutics. Journal of Drug Delivery Science and Technology, 2023, 88, 104930.	3.0	1
38524	A Study on the O ₂ Plasma Etching Method of Spray-Formed SWCNT Films and Their Utilization as Electrodes for Electrochemical Sensors. Sensors, 2023, 23, 7812.	3.8	1
38525	Bifurcation and chaos of Li-doped 6,6,12-graphyne impacted by hydrogen atoms: A new way to explore hydrogen storage. Chemical Engineering Research and Design, 2023, 179, 257-274.	5.6	1
38526	Excellent Anode Performance of N-, P-, and As-Doped Graphdiynes for Lithium-Ion Batteries. ACS Omega, 2023, 8, 35077-35084.	3.5	0
38527	Gas-phase materials synthesis in environmental transmission electron microscopy. MRS Bulletin, 2023, 48, 833-841.	3.5	1
38528	Study on Nanomaterials with Inhibitory Effects on the Growth of Aspergillus niger. Polymers, 2023, 15, 3820.	4.5	1
38529	Disorder-induced effects in high-harmonic generation process in fullerene molecules. Results in Physics, 2023, 53, 106951.	4.1	3
38530	Additively Manufactured Electrochemical and Biosensors. Materials Horizons, 2024, , 191-204.	0.6	0
38531	Computational Insights of Dimensional Organic Materials. , 2023, , 382-473.		2
38532	Polymer Composites for Sensor Applications. , 2023, , 146-164.		0
38534	Improvement of the tensile properties of laminated composites reinforced with <scp>Helia€Coil</scp> forms of carbon nanotubes. Polymer Composites, 2023, 44, 7070-7083.	4.6	1
38535	Carbon nanotube reinforced biobased poly(urethane urea) covalent adaptable network composite. Journal of Polymer Science, 2024, 62, 880-890.	3.8	0
38536	Micro and Nanotechnology. Pancreatic Islet Biology, 2023, , 131-174.	0.3	0
38537	Fabrication, Morphologies and Mechanical Properties of Carbon Nanotube Based Polymer Nanocomposites. , 2012, , 225-250.		0
38538	Interaction of the transition state of the Claisen rearrangement with surface of carbon nanotubes to predict catalytic activity. Computational and Theoretical Chemistry, 2023, 1228, 114291.	2.5	0
38539	Ultra-Thin CNT/PDMS Nanocomposite Sponge for Pressure Sensing and Acoustic Wave Generation. , 2023, , .		0
38540	Variation in Structural Chemical Reactivity and Nonlinear Optical (NLO) Properties of C ₅₆ H ₁₆ Nanotube After Endohedral Doping of Superalkali (Na ₂ F) and Superhalogen (BF ₄): A DFT Study. Chemistry Africa, 0, , .	2.4	0
38541	Recent development of mixed matrix membrane as a membrane bioreactor for wastewater treatment: A review. Case Studies in Chemical and Environmental Engineering, 2023, 8, 100485.	6.1	1

#	ARTICLE	IF	CITATIONS
38542	Study of interwall interaction during the pull separation of ultra-long double-walled carbon nanotubes under lateral loading. <i>Extreme Mechanics Letters</i> , 2023, 64, 102079.	4.1	0
38543	Novel biocatalysts based on enzymes in complexes with nano- and micromaterials. <i>Biophysical Reviews</i> , 2023, 15, 1127-1158.	3.2	1
38544	A near-infrared photodetector based on carbon nanotube transistors exhibits ultra-low dark current through field-modulated charge carrier transport. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 26991-26998.	2.8	0
38545	High-purity graphene and carbon nanohorns prepared by base-acid treated waste tires carbon via direct current arc plasma. <i>Environmental Research</i> , 2023, 238, 117071.	7.5	1
38546	Moderate binding of villin headpiece protein to C3N3 nanosheet reveals the suitable biocompatibility of this nanomaterial. <i>Scientific Reports</i> , 2023, 13, .	3.3	0
38547	Modern Fillers of Metal and Polymer Matrices. <i>Progress in Physics of Metals</i> , 2023, 24, .	1.5	0
38548	DFT study on adsorption of small gas molecules on Pt-capped armchair and zigzag single-walled carbon nanotubes. <i>Materials Today Communications</i> , 2023, 37, 107200.	1.9	0
38549	Effect of CNT content on the microstructure and friction characteristics of DED-fabricated CNTs-Ni60/WC coatings. <i>Surface and Coatings Technology</i> , 2023, 473, 129938.	4.8	0
38550	Sustainable synthesis of multifunctional nanomaterials from rice wastes: a comprehensive review. <i>Environmental Science and Pollution Research</i> , 2023, 30, 95039-95053.	5.3	3
38551	Carbon Nanotubes: A Review of Toxicity and Applicability in Biomedical Applications. , 2023, , 517-558.		0
38552	Ecotoxicological effects and socio-economical aspects of nanoadsorbent materials. , 2023, , 507-531.		0
38553	Controllable preparation, regulation mechanisms and development directions of multi-functional one-dimensional carbon nanomaterial as electrocatalysts for water splitting and zinc-air batteries. <i>International Journal of Hydrogen Energy</i> , 2024, 51, 167-194.	7.1	1
38554	Exploring key aspects: Structure, properties, production, and oil & gas applications of graphene and its nanoribbons â A comprehensive review. , 2023, , 212416.		0
38555	Recent advances in supramolecular fullerene chemistry. <i>Chemical Society Reviews</i> , 2024, 53, 47-83.	38.1	9
38557	Nanoscale Investigation on the Improvement of Electrical Properties of Boron-Doped Diamond Nanostructures for High-Performance Plasma Displays. <i>ACS Applied Electronic Materials</i> , 2023, 5, 4946-4958.	4.3	0
38558	Thermomechanical vibration analysis of a restrained nanobeam. <i>Microsystem Technologies</i> , 2023, 29, 1601-1613.	2.0	1
38559	Adsorption of Ethanol, Water, and EthanolâWater Dimers on Open-Ended Graphene Capillaries Studied by Ab Initio Methods: Unraveling the Ethanol and Water Attachment at the Edges. <i>Journal of Physical Chemistry C</i> , 2023, 127, 15122-15138.	3.1	0
38560	Application of Nanoparticles in Environmental Monitoring. , 2023, , 108-128.		0

#	ARTICLE	IF	CITATIONS
38561	The fabrication of MnO ₂ nanoparticles/multi-walled carbon nanotubes composite modified electrode for electrochemical sensing of ascorbic acid. International Journal of Electrochemical Science, 2023, 18, 100349.	1.3	0
38562	Sustainable applications and prospects of nanoadsorbents for wastewater treatment. , 2023, , 533-584.		0
38563	Direct Application of Carbon Nanotubes (CNTs) Grown by Chemical Vapor Deposition (CVD) for Integrated Circuits (ICs) Interconnection: Challenges and Developments. Nanomaterials, 2023, 13, 2791.	4.1	1
38564	Recent advances in carbon nanotube patterning technologies for device applications. , 0, 2, .		0
38565	Functionalised Carbon Nanotubes: Promising Drug Delivery Vehicles for Neurovascular Disorder Intervention. AAPS PharmSciTech, 2023, 24, .	3.3	0
38566	Functional Graphdiyne for Emerging Applications: Recent Advances and Future Challenges. Advanced Functional Materials, 2024, 34, .	14.9	13
38567	Graphene Synthesis from Organic Substrates: A Review. Industrial & Engineering Chemistry Research, 2023, 62, 17314-17327.	3.7	1
38568	Analytical Solution of Stability Problem of Nanocomposite Cylindrical Shells under Combined Loadings in Thermal Environments. Mathematics, 2023, 11, 3781.	2.2	2
38569	Carbon-based nanostructured materials for effective strategy in wound management. , 2024, , 193-218.		1
38570	A metal-free photoactive nitrogen-doped carbon nanosolenoid with broad absorption in visible region for efficient photocatalysis. Nature Communications, 2023, 14, .	12.8	1
38571	Effect of functionalization and defects in carbon nanotube on mechanical properties and creep behavior of nitrile butadiene rubber composites: A molecular dynamics approach. Polymer-Plastics Technology and Materials, 2023, 62, 1998-2014.	1.3	0
38572	Chiraltube, rolling 2D materials into chiral nanotubes. Nanoscale Advances, 0, , .	4.6	0
38573	Superatom Molecular Orbitals of Endohedral C ₈₂ . Journal of Physical Chemistry A, 2023, 127, 8126-8132.	2.5	0
38574	Spatially Directed Pyrolysis via Thermally Morphing Surface Adducts. Angewandte Chemie, 2023, 135, .	2.0	0
38575	Spatially Directed Pyrolysis via Thermally Morphing Surface Adducts. Angewandte Chemie - International Edition, 2023, 62, .	13.8	0
38576	Photoluminescence and Supercapacitive Properties of Carbon Dots Nanoparticles: A Review. Journal of Metastable and Nanocrystalline Materials, 0, 37, 1-22.	0.1	2
38577	Response Surface Modeling of the Steady-State Impedance Responses of Gas Sensor Arrays Comprising Functionalized Carbon Nanotubes to Detect Ozone and Nitrogen Dioxide. Sensors, 2023, 23, 8447.	3.8	1
38578	Ponderable and conclusion. , 2023, , 261-271.		0

#	ARTICLE	IF	CITATIONS
38579	Cement-Based Composites Containing Carbon Nanofibers and Carbon Nanotubes. Current Materials Science, 2024, 17, 240-250.	0.4	0
38580	Review of Carbon Nanotube Toxicity and Evaluation of Possible Implications to Occupational and Environmental Health. Nano Hybrids and Composites, 0, 40, 35-49.	0.8	0
38581	Buckling of Stiffened Carbon Nanotube-Reinforced Composite (CNTRC) Plates. Advances in Sustainability Science and Technology, 2023, , 29-42.	0.6	0
38582	Development of Carbon Nanotube Yarn Supercapacitors and Energy Storage for Integrated Structural Health Monitoring. Energies, 2023, 16, 5736.	3.1	1
38583	Shape-stabilized phase change material based on MOF-derived oriented carbon nanotubes for thermal management of lithium-ion battery. Journal of Energy Storage, 2023, 72, 108520.	8.1	4
38584	Electrochemical co-deposition of carbon nanotube/Ni composite layer. Materials Chemistry and Physics, 2023, 308, 128284.	4.0	0
38585	First-principles study of torsional single-walled carbon nanotubes. Wuli Xuebao/Acta Physica Sinica, 2023, 72, 197302.	0.5	0
38586	Prediction of a three-dimensional carbon allotrope moC12 with one-dimensional metallicity, superconductivity and mechanical anisotropy. Journal of Materials Science, 2023, 58, 12664-12672.	3.7	0
38587	Catalytic and non-catalytic chemical kinetics of hydrocarbons cracking for hydrogen and carbon materials production. Advances in Chemical Engineering, 2023, , 1-62.	0.9	0
38588	CNT-NeRF: Carbon Nanotube Forest Depth Layer Decomposition in SEM Imagery using Generative Adversarial Networks. , 2023, , .		3
38589	Use of Carbon Nanostructures in Various 3D Printing Techniques. Powder Metallurgy and Metal Ceramics, 2023, 61, 670-690.	0.8	0
38590	EXPERIMENTAL AND THEORETICAL STUDY OF THE JET FORMED BY MEANS OF SPUTTERING OF ELECTRODES IN AN ARC DISCHARGE. Journal of Applied Mechanics and Technical Physics, 2023, 64, 371-377.	0.5	0
38591	Current Progress of Carbon Nanotubes Applied to Proton Exchange Membrane Fuel Cells: A Comprehensive Review. International Journal of Precision Engineering and Manufacturing - Green Technology, 2024, 11, 659-684.	4.9	0
38592	Simultaneously improved surface hardness and thermal diffusivity of carbon nanotube/zinc silicate composites via colloidal processing. Materials Chemistry and Physics, 2023, 309, 128357.	4.0	0
38593	First-principles prediction of a semilayered carbon allotrope. Physica B: Condensed Matter, 2023, 669, 415243.	2.7	0
38594	Mechanical and thermal properties of high volume fraction carbon nanotube/epoxy composites, and property enhancement by <sc>UV</sc> ozone treatment of carbon nanotubes. Polymer Composites, 2023, 44, 7855-7864.	4.6	1
38595	Thermal resistance analysis of micro heat pipes incorporated with carbon nanotubes nanocapillaries. International Journal of Heat and Mass Transfer, 2023, 216, 124611.	4.8	0
38596	Design and evaluation of the chemical functionalized BxCyNz (x=1, y=2) nanotube as an anticancer drug delivery vehicle. Inorganic Chemistry Communication, 2023, 157, 111321.	3.9	0

#	ARTICLE	IF	CITATIONS
38597	Exploring the elastic properties and fracture patterns of Me-graphene monolayers and nanotubes through reactive molecular dynamics simulations. Chemical Physics Letters, 2023, 830, 140812.	2.6	1
38598	Boron nitride nanostructures in tissue engineering. , 2023, , 373-384.		0
38599	Modeling symmetric and defect-free carbon schwarzites into various zeolite templates. Carbon, 2023, 215, 118385.	10.3	0
38600	Stepwise percolation behavior induced by nano-interconnection in electrical conductivity of polymer composites. Materials Today Physics, 2023, 38, 101213.	6.0	0
38601	Hydrogen Iodide Energy Cycle to Repeat Solar Hydrogen Generation and Battery Power Generation Using Single-Walled Carbon Nanotubes. Physica Status Solidi - Rapid Research Letters, 0, , .	2.4	0
38602	Beryllium oxide fullerene-like as a highly efficient sensor for formaldehyde: a DFT inspection. Molecular Physics, 2024, 122, .	1.7	1
38603	Development of Microwave Filters with Tunable Frequency and Flexibility Using Carbon Nanotube Paper. Nanomaterials, 2023, 13, 2497.	4.1	0
38604	Mapping of H _{1/4} ckel zigzag carbon nanotubes onto independent polyene chains: Application to periodic nanotubes. Journal of Chemical Physics, 2023, 159, .	3.0	1
38605	Olympicene radicals as building blocks of two-dimensional anisotropic networks. Physical Review B, 2023, 108, .	3.2	2
38606	T-C20 Carbon: A Three-Dimensional Topological Carbon Allotrope Constructed from Zigzag Carbon Chains. , 2023, 7, 9-12.		0
38607	Mechanical properties of single-walled carbon nanotubes with vacancy defects: A computational approach. AIP Conference Proceedings, 2023, , .	0.4	0
38608	Measure the viscosity of carbon nanotube/water nanofluids through MD simulations under fixed temperature. AIP Conference Proceedings, 2023, , .	0.4	0
38609	Topological polarisation states. Frontiers in Physics, 0, 11, .	2.1	5
38610	Electrospinning of polymer nanofibers containing carbon nanotubes filled with iron nanowires. Japanese Journal of Applied Physics, 2023, 62, SN1014.	1.5	0
38611	Introduction to Carbon Nanostructures: History, Classifications, and Recent Advances. , 2023, , 1-54.		0
38613	Synthesis of nanofluids preparation “ A review. Materials Today: Proceedings, 2023, , .	1.8	1
38614	Vibration response of FG-CNTRC plate resting on non-homogeneous elastic foundation via a closed-form dynamic stiffness formulation. Structures, 2023, 57, 105203.	3.6	3
38615	Three-dimensional printing of cell-laden bioink for blood vessel tissue engineering: influence of process parameters and components on cell viability. Journal of Biomaterials Science, Polymer Edition, 2023, 34, 2411-2437.	3.5	0

#	ARTICLE	IF	CITATIONS
38616	Application of Ultrasonic Technique for Cure Monitoring of Epoxy/Graphene Oxideâ€“Carbon Nanotubes Composites. Applied Composite Materials, 2024, 31, 61-81.	2.5	0
38617	Nanomaterials. , 2023, , 83-91.		0
38618	Introduction of Nanohybrid Materials. , 2023, , 1-17.		0
38619	Nonlinear Vibrations of a Nanobeams Rested on Nonlinear Elastic Foundation Under Primary Resonance Excitation. Iranian Journal of Science and Technology - Transactions of Mechanical Engineering, 0, , .	1.3	0
38620	The electronic transport properties of armchair carbon nanotubes with single and multiple horizontal boron-nitride lines: Unusual effects of high bias voltage on I-V characteristics. Diamond and Related Materials, 2023, 140, 110436.	3.9	0
38621	Evaluating the elastic behaviour of boron nitride nanotube (BNNT) reinforced phenolic nanocomposites. Engineering Research Express, 2023, 5, 045003.	1.6	0
38622	Diameter of nanotori. Applied Mathematics and Computation, 2024, 462, 128342.	2.2	0
38623	Effect of Extrusion Process on Mechanical Properties of Al-MWCNT Composites Synthesized by Powder Metallurgy Route. , 2024, , 829-836.		0
38624	Recent progress of nano-drug delivery systems in gastrointestinal cancer. Materials Express, 2023, 13, 1631-1644.	0.5	0
38625	Novel Graphene Allotropes Designed by Polymerizing Pyracyclene Molecules. Journal of Physical Chemistry C, 2023, 127, 19814-19824.	3.1	0
38626	Length-controlled sorting and length-dependent properties of short semiconducting single-walled carbon nanotubes. Carbon, 2023, 215, 118468.	10.3	1
38627	Highly sensitive and selective electrochemical sensor for simultaneous determination of gallic acid, theophylline and caffeine using poly(l-proline) decorated carbon nanotubes in biological and food samples. Talanta, 2024, 267, 125246.	5.5	1
38628	Structural Phase Transition of Double-walled Silicon Carbide Nanotubes under Uniaxial Compression: a Molecular Dynamics Analysis. Silicon, 0, , .	3.3	1
38629	Assessment of Microstructure and Investigation Into the Mechanical Characteristics and Machinability of A356 Aluminum Hybrid Composite Reinforced with SiCp and MWCNTs Fabricated Through Rotary Centrifugal and Squeeze Casting Processes. Silicon, 0, , .	3.3	0
38630	Efficient ATFA design based on CNTFET technology for errorâ€“tolerant applications. Circuits, Systems, and Signal Processing, 0, , .	2.0	0
38631	Precious metalâ€“carbon framework materials for supercapacitors. , 2023, , 35-77.		0
38632	Critical Electrospinning Parameters for Synthesis Control of Stabilized Polyacrylonitrile Nanofibers. Nanomaterials, 2023, 13, 2648.	4.1	0
38633	Design Analysis of Graphene Based Half Wave Dipole Antenna for Future Wireless Applications. , 2023, , .		0

#	ARTICLE	IF	CITATIONS
38634	Inner-tubular physicochemical processes of carbon nanotubes. Science Bulletin, 2003, 48, 2395-2403.	9.0	0
38635	Direct CVD Synthesis of Carbon Nanotube Aerogels and Textiles. Springer Handbooks, 2023, , 971-986.	0.6	0
38636	A Prato Tour on Carbon Nanotubes: Raman Insights. Chemistry - A European Journal, 2023, 29, .	3.3	0
38637	Continuum Mechanics Applied for Studying Instabilities in Nanoparticles. Advanced Structured Materials, 2023, , 429-456.	0.5	0
38639	Flow reversal for hybrid nanofluid with heat generation and slip effect in Darcy porous medium: The stability analysis. Numerical Heat Transfer, Part B: Fundamentals, 0, , 1-16.	0.9	1
38640	Synthesis of carbon nanotubes on carbon fiber substrates: effects of nanozirconia dispersion on the growth of carbon nanotubes. Japanese Journal of Applied Physics, 0, , .	1.5	0
38641	Double-Shock Compression Pathways from Diamond to BC8 Carbon. Physical Review Letters, 2023, 131, .	7.8	3
38642	Bioengineered multi-walled carbon nanotube (MWCNT) based biosensors and applications thereof. Sensors & Diagnostics, 0, , .	3.8	0
38643	Interaction of carbon nanotube with anti-cancer drugs Busulfan and Mercaptopurine: A DFT study. Computational and Theoretical Chemistry, 2023, 1230, 114356.	2.5	0
38644	First-principles calculations of transport properties in lead-based nanomaterials: A mini review. Computational Materials Science, 2024, 231, 112549.	3.0	0
38646	Thermal Effect on The Post-buckling And Mechanical Response of Single-Walled Carbon Nanotubes: A Numerical Investigation. , 2023, 9, 1-6.		1
38647	The effect of the introduction of single-walled carbon nanotubes on the electrical and mechanical characteristics of the ethylene tetrafluoroethylene. Plasticheskie Massy: Sintez Svoystva Pererabotka Primenenie, 2023, 1, 44-46.	0.3	0
38648	Microwave assisted functionalization of SWCNT as platform of a supported iridium catalyst. Synlett, 0, , .	1.8	0
38649	Size dependence of optical nonlinearity for H-capped carbon chains, $H_n(C_6H_5)_n$ ($n = 3-15$): analysis of its nature and prediction for long chains. Physical Chemistry Chemical Physics, 0, , .	2.8	0
38650	Dehydration induced selective ion trapping by topology constrained atomically thin graphene-crown membranes. Molecular Systems Design and Engineering, 0, , .	3.4	0
38651	Polymeric Materials with Nanoparticles. , 2019, , 167-200.		0
38652	Färbstoffe und Verstärkungsmittel. , 2016, , 1069-1137.		0
38653	Collective oscillations of systems of Xe atoms in a groove between two carbon nanotubes. Low Temperature Physics, 2023, 49, 1148-1162.	0.6	0

#	ARTICLE	IF	CITATIONS
38654	Rheological Properties of Thermoplastic Materials with Carbon Fillers. , 2016, , 145-172.		0
38655	Long-range correlation-induced effects at high-order harmonic generation on graphene quantum dots. Physical Review B, 2023, 108, .	3.2	1
38656	Carbon Nanobelts: Brief History and Perspective. , 2023, 1, 516-523.		1
38658	Microstructure and mechanical properties of hybrid nano-titanium carbide-carbon nanotubes (nano-TiC-CNT) reinforced aluminium matrix composite. Advanced Composite Materials, 0, , 1-19.	1.9	0
38660	Managing plastic waste with nanotechnology: current sustainability prospects. Nanotechnology for Environmental Engineering, 0, , .	3.3	0
38661	Structural analysis of hybrid composite materials. , 2023, , 197-215.		0
38662	Natural hybrid composite materials. , 2023, , 111-132.		0
38663	Wastewater treatments using carbon nanotubes: recent developments. , 2023, , 647-679.		0
38664	Graphene Quantum Dots-based Nanocomposites as Fluorescence Sensors. , 2023, , 121-152.		0
38665	Eco-sustainable Synthesis of <i>N</i> -containing Heterocyclic Systems Using Porous Carbon Catalysts. ChemCatChem, 2023, 15, .	3.7	1
38667	Effect of van-Hove singularities in single-walled carbon nanotube leads on transport through T-shaped double quantum dot system. Current Applied Physics, 2023, 56, 100-110.	2.4	0
38668	Cyclo[n]carbons and catenanes from different perspective. Disentangling molecular thread. Physical Chemistry Chemical Physics, 0, , .	2.8	0
38669	The recent development of carbon-based nanoparticles as a novel approach to skin tissue care and management - A review. Experimental Cell Research, 2023, 433, 113821.	2.6	1
38670	Effect of Wet and Dry Environments in CNC/MWCNTs/Ag ₂ O Electrically Conductive Films: Material Characterization and Molecular Dynamics Simulation. Journal of Physical Chemistry C, 2023, 127, 20749-20761.	3.1	0
38672	Molybdenum oxide nanotube caps decorated with ultrafine Ag nanoparticles: Synthesis and antimicrobial activity. International Journal of Pharmaceutics, 2023, 647, 123528.	5.2	0
38673	Dynamic response of embedded Timoshenko CNTs exposed to magnetic and thermal fields subjected to moving load based on doublet mechanics. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2023, 45, .	1.6	2
38674	Significance of GOs, GNPs and CNTs™ Nanomaterials on the Mechanical Properties of Cement. , 2023, , .		0
38675	Dreams and Innovation : Development Case of Carbon Nanotube. Seikei-Kakou, 2023, 35, 351-354.	0.0	0

#	ARTICLE	IF	CITATIONS
38676	Graphene Oxide-Based Large-Area Dynamic Covalent Interfaces. <i>Nanoscale</i> , 0, , .	5.6	0
38677	Dual solutions of aqueous Ti-alloy & MWCNT hybrid nanofluid: A stability test. <i>Numerical Heat Transfer; Part A: Applications</i> , 0, , 1-21.	2.1	0
38679	Flexible, Transparent, and Wideband 4-Port MIMO Antenna. <i>EAI/Springer Innovations in Communication and Computing</i> , 2024, , 71-99.	1.1	0
38680	Nanoparticle-based materials in anticancer drug delivery: Current and future prospects. <i>Heliyon</i> , 2023, 9, e21227.	3.2	3
38681	Hydrogen adsorption on vacancy-bent graphene nanosheets: A DFT study. <i>Materials Today Communications</i> , 2023, 37, 107319.	1.9	0
38682	Synthesis and study of carbon nanomaterials through arc discharge technique for efficient adsorption of organic dyes. <i>Diamond and Related Materials</i> , 2024, 141, 110538.	3.9	0
38683	Molecular insights into the interfacial adhesion mechanism between carbon nanotubes and epoxy resin. <i>RSC Advances</i> , 2023, 13, 30915-30924.	3.6	1
38684	Functionalized Smart Nanomaterials for Point-of-Care Testing. , 2024, , 139-159.		0
38685	Exploitation of multi-walled carbon nanotubes/Cu(SCN)-metal organic framework based glassy carbon electrode for the determination of orphenadrine citrate. <i>RSC Advances</i> , 2023, 13, 31017-31026.	3.6	1
38686	A brief review of nanotechnology. <i>Journal of Physics: Conference Series</i> , 2023, 2608, 012041.	0.4	0
38687	Insights into the Growth of Ternary WSe Nanotubes in an Atmospheric CVD Reactor. <i>Inorganic Chemistry</i> , 0, , .	4.0	0
38688	Nanomaterials-Based Bioinspired Next Generation Wearable Sensors: A State-of-the-Art Review. <i>Advanced Electronic Materials</i> , 2024, 10, .	5.1	0
38689	Large-scale synthesis of 3D ordered microporous carbon at low temperature using cobalt ions exchanged zeolite Y as a template. <i>New Carbon Materials</i> , 2023, 38, 861-874.	6.1	0
38690	Carbon Nanomaterial-Based Hydrogels as Scaffolds in Tissue Engineering: A Comprehensive Review. <i>International Journal of Nanomedicine</i> , 0, Volume 18, 6153-6183.	6.7	2
38691	Natural Products Derived Porous Carbons for CO_2 Capture. <i>Advanced Science</i> , 2023, 10, .	11.2	0
38692	Interface-confined precise processing of Ag nanowire into AgPd-nanoparticle-sealed AgAu nanotroughs for boosting ethanol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2024, 654, 1331-1339.	9.4	0
38693	Recent advances in capacitive deionization: A comprehensive review on electrode materials. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 111368.	6.7	2
38694	Nanocomposite of PVC with CNT. <i>Engineering Materials</i> , 2024, , 241-260.	0.6	0

#	ARTICLE	IF	CITATIONS
38695	Organic chiral nano- and microfilaments: types, formation, and template applications. <i>Materials Horizons</i> , 2024, 11, 316-340.	12.2	3
38696	Detection of Carbon Nanotubes in Bovine Raw Milk Through Fourier Transform-Raman Spectroscopy. <i>Journal of Dairy Science</i> , 2023, , .	3.4	0
38697	Investigation of microwave-absorbing properties of aligned polyaniline/multi-walled carbon nanotubes nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2024, 32, 141-145.	2.1	0
38699	Carbon Nanotube Hybrid Materials: Efficient and Pertinent Platforms for Antifungal Drug Delivery. <i>Advanced Materials Technologies</i> , 2023, 8, .	5.8	0
38700	New Horizons in Nanofiller-Based Polymer Composites II. <i>Polymers</i> , 2023, 15, 4259.	4.5	1
38701	Review: chitosan-based biopolymers for anion-exchange membrane fuel cell application. <i>Royal Society Open Science</i> , 2023, 10, .	2.4	0
38702	Applications of Nanoadsorbents for the Removal of Fluoride from Water: Recent Advancements and Future Perspectives. <i>Separation and Purification Reviews</i> , 0, , 1-25.	5.5	0
38703	Research Progress on the Application of Graphene Quantum Dots. <i>Coatings</i> , 2023, 13, 1956.	2.6	0
38704	Tumor diagnosis using carbon-based quantum dots: Detection based on the hallmarks of cancer. <i>Bioactive Materials</i> , 2024, 33, 174-222.	15.6	0
38705	Molecular Carbons: How Far Can We Go?. <i>ACS Nano</i> , 2023, 17, 20734-20752.	14.6	4
38706	Conducting polymers and carbon nanotubes in the field of environmental remediation: Sustainable developments. <i>Coordination Chemistry Reviews</i> , 2024, 500, 215533.	18.8	1
38707	Effect of vacancy defects on tensile properties of CNTs. <i>Journal of Nanoparticle Research</i> , 2023, 25, .	1.9	0
38708	Chiral Cylindrical Molecule with Absorption Dissymmetry Factor towards Theoretical Limit of 2. <i>Advanced Theory and Simulations</i> , 2024, 7, .	2.8	0
38709	Role of the surface chemistry of carbon xerogel-based supports and Cu catalysts in the oxidation reaction of glycerol. <i>Journal of Industrial and Engineering Chemistry</i> , 2024, 130, 657-672.	5.8	0
38711	Human and environmental safety of carbon nanotubes across their life cycle. <i>Nature Reviews Materials</i> , 2024, 9, 63-81.	48.7	1
38712	Spectroscopic and Microscopic Characterizations of Functionalized Carbon Nanostructures. , 2023, , 1-45.		0
38713	Electronic Structure of Pentagonal Carbon Nanocones: An ab Initio Study. <i>Journal of Physical Chemistry A</i> , 2023, 127, 9723-9732.	2.5	0
38714	Fragmentation channels of non-fullerene cationic carbon clusters. <i>Physical Chemistry Chemical Physics</i> , 2023, 25, 31118-31124.	2.8	0

#	ARTICLE	IF	CITATIONS
38715	Observing grain boundary-induced phonons mean free path in highly aligned SWCNT bundles by low-momentum phonon scattering. Cell Reports Physical Science, 2023, 4, 101688.	5.6	5
38716	Mechanical behaviour of carbon nanotube composites: A review of various modelling techniques. Journal of Composite Materials, 2024, 58, 791-825.	2.4	0
38717	Fabrication of next-generation multifunctional LBG-s-AgNPs@ g-C3N4 NS hybrid nanostructures for environmental applications. Environmental Research, 2024, 240, 117540.	7.5	5
38718	What do we know about the disruption index in scientometrics? An overview of the literature. Scientometrics, 2024, 129, 601-639.	3.0	3
38719	Synthesis, Characterization, and Applications of Nanomaterials for Energy Conversion and Storage. Molecules, 2023, 28, 7383.	3.8	2
38720	Development of Fullerenes and Their Derivatives. , 2023, , 1-48.		0
38721	Synthesis and characterisation of carbon nanotubes and zinc oxide composites: sub-millisecond UV response. Journal of Materials Science, 2023, 58, 17019-17033.	3.7	0
38722	Tunable 1D van der Waals Nanostructures by Vaporâ€“Liquidâ€“Solid Growth. Accounts of Chemical Research, 2023, 56, 3235-3245.	15.6	0
38723	Preparation and properties of composite coatings, based on carbon nanotubes, for medical applications. Carbon Letters, 0, , .	5.9	0
38724	SÃ¼perkapasitÃ¶r: Temelleri ve malzemeleri. Journal of the Faculty of Engineering and Architecture of Gazi University, 2023, 39, 1315-1332.	0.8	0
38725	Advances in Biocarbon and Soft Material Assembly for Enthalpy Storage: Fundamentals, Mechanisms, and Multimodal Applications. Small, 2024, 20, .	10.0	1
38726	Exploring dual solutions and thermal conductivity in hybrid nanofluids: a comparative study of Xue and Hamiltonâ€™s models. Nanoscale Advances, 2023, 5, 6695-6704.	4.6	1
38727	Theoretical approach on Hg2+, Pb2+ and Cd2+ ions adsorption via phographene. Journal of Industrial and Engineering Chemistry, 2024, 132, 572-577.	5.8	0
38728	Rational Design of Stimuliâ€“Responsive Inorganic 2D Materials via Molecular Engineering: Toward Moleculeâ€“Programmable Nanoelectronics. Advanced Materials, 2024, 36, .	21.0	1
38729	Cu-modified B12N12 nanocage as a chemical sensor for nitrogen monoxide gas: a density functional theory study. Journal of Nanoparticle Research, 2023, 25, .	1.9	1
38730	The Study of Electro-mechanical Phenomena in Single CNTs in the Cold Field Emission Scheme Using Nanomanipulation. , 2023, , .		0
38731	The Role of RIN3 Gene in Alzheimerâ€™s Disease Pathogenesis: a Comprehensive Review. Molecular Neurobiology, 0, , .	4.0	0
38732	Adsorption and Photocatalytic Degradation of Methylene Blue in Carbon Nanotubes: A Review with Bibliometric Analysis. Catalysts, 2023, 13, 1480.	3.5	3

#	ARTICLE	IF	CITATIONS
38733	Biogenic synthesis of novel nanomaterials and their applications. <i>Nanoscale</i> , 2023, 15, 19423-19447.	5.6	1
38734	Electrochemical biosensors represent promising detection tools in medical field. , 2023, 2, 100081.		3
38735	Graphene quantum dots blocking the channel egresses of cytochrome P450 enzyme (CYP3A4) reveals potential toxicity. <i>Scientific Reports</i> , 2023, 13, .	3.3	0
38736	Recent advances in carbon nanotubes, graphene and carbon fibers-based microwave absorbers. <i>Journal of Alloys and Compounds</i> , 2024, 970, 172625.	5.5	4
38737	The effect of fuzzy fiber-reinforced composite skin on bending stiffness and debonding growth between skin and polymeric foam core of sandwich structures. <i>European Journal of Mechanics, A/Solids</i> , 2024, 103, 105182.	3.7	2
38738	Double nanorings: Structural and optoelectronic properties based on first principles calculations. <i>Journal of Molecular Structure</i> , 2024, 1297, 136911.	3.6	0
38739	Bibliometric study of multi-scale calculation of carbon nanotubes. <i>Results in Physics</i> , 2024, 56, 107220.	4.1	0
38740	Low-dimensional nanomaterial-enabled efficient and stable perovskite light-emitting diodes: recent progress and challenges. <i>Journal of Materials Chemistry C</i> , 2024, 12, 388-403.	5.5	0
38741	Structural Inhomogeneities and Nonlinear Phenomena in Charge Transfer under Cold Field Emission in Individual Closed Carbon Nanotubes. <i>Micro</i> , 2023, 3, 941-954.	2.0	0
38742	Reviewâ€™Polyethylene Oxide-Based Nanocomposites as Polymer Electrolytes for Dye-Sensitized Solar Cell Application. <i>ECS Journal of Solid State Science and Technology</i> , 2023, 12, 115004.	1.8	0
38743	Orientational ordering of polydisperse nanorods on a flat surface. <i>Journal of Molecular Liquids</i> , 2023, 392, 123432.	4.9	0
38744	Eco-friendly monitoring of triclosan as an emerging antimicrobial environmental contaminant utilizing electrochemical sensors modified with CNTs nanocomposite transducer layer. <i>BMC Chemistry</i> , 2023, 17, .	3.8	0
38745	Room temperature detection of sulfur dioxide using functionalized carbon nanotubes. <i>Digest Journal of Nanomaterials and Biostructures</i> , 2023, 18, 1363-1370.	0.8	0
38746	Structural Properties of Nanoparticles. , 2023, , 57-80.		0
38747	Klein tunneling on Bour surfaces with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ topological defects. <i>Physical Review B</i> , 2023, 108, .	3.2	0
38748	From lab to ecosystem: Understanding the ecological footprints of engineered nanoparticles. <i>Journal of Environmental Science and Health, Part C: Toxicology and Carcinogenesis</i> , 2024, 42, 33-73.	0.7	2
38749	An updated review on scientometric analysis and physico-mechanical performance of nanomaterials in cementitious composites. <i>Structures</i> , 2023, 58, 105421.	3.6	0
38750	Atomic insights into the tensile behavior of carbon nanotube with different geometrical characteristics embedded in nickel matrix. <i>Diamond and Related Materials</i> , 2024, 141, 110576.	3.9	0

#	ARTICLE	IF	CITATIONS
38751	Carbon Nanotubes and Graphene Materials as Xenobiotics in Living Systems: Is There a Consensus on Their Safety?. Journal of Xenobiotics, 2023, 13, 740-760.	6.7	0
38752	Chitosan-Carbon nanotube Composite: An approach for controlled release of Quercetin, Modified with carboxymethyl Cellulose, for potential Anti-Cancer therapy. Inorganic Chemistry Communication, 2023, 158, 111621.	3.9	2
38753	Sidewall Chemical Bonding of Aligned Carbon Nanotubes with Metals: A Promising Route for Hybrid Materials Development. ACS Applied Nano Materials, 2023, 6, 22001-22014.	5.0	0
38754	In situ Polymerization of Polyamide 6/Carbon Nanotubes Nanocomposites and Their Melt Spinning Fibers. Polymer Science - Series B, 2023, 65, 648-656.	0.8	0
38755	Structural, Electronic, and Mechanical Properties of Nitrogen Nanotubes: The Effect of Size and Strain. Journal of Physical Chemistry C, 2023, 127, 21704-21712.	3.1	2
38756	Dielectric and spectroscopic studies of multiwalled carbon nanotubes dispersed in 4-cyano-4'-pentylbiphenyl nematic liquid crystal. , 2023, 1, 100054.		0
38757	MXenes/CNTs-based hybrids: Fabrications, mechanisms, and modification strategies for energy and environmental applications. Nano Research, 0, , .	10.4	1
38758	Establishment of a facile technique to fabricate bulk AA6061/CNT composite with improved mechanical properties using combined stir-casting and squeeze-casting. Materials Today Communications, 2023, 37, 107471.	1.9	0
38759	Graphene-based crown-cork-like macrostructures. Materials Chemistry Frontiers, 0, , .	5.9	0
38760	Electrical Conductivity Features of Metal-Carbon Nanocomposites. Springer Proceedings in Physics, 2023, , 281-286.	0.2	0
38761	The Effect of Different Concentrations of Molybdenum Trioxide in Electrolyte for Dye-Sensitized Solar Cells (DSSCs): Performance Enhancement of DSSCs. IEEE Journal of Photovoltaics, 2023, , 1-8.	2.5	0
38762	Graphene quantum dots: preparations, properties, functionalizations and applications. Materials Futures, 2024, 3, 022301.	8.4	0
38763	Quaternary Multiplier with Modified Carry Using Carbon Nanotube FETs. Lecture Notes in Electrical Engineering, 2024, , 113-122.	0.4	0
38764	Nonlinear modal analysis of multi-walled nanotube oscillations using nonlocal anisotropic elastic shell model. Nonlinear Dynamics, 2023, 111, 21587-21610.	5.2	0
38765	Threshold Voltage Modeling of Carbon Nanotube Field-Effect Transistor (CNTFET). , 2023, , .		0
38766	Buckling analysis of stiffened functionally graded multilayer graphene platelet reinforced composite plate with circular cutout embedded on elastic support subjected to in-plane normal and shear loads. Results in Engineering, 2023, 20, 101563.	5.1	1
38767	Controlling carbon nanostructure synthesis in thermal plasma jet: Correlation of process parameters, plasma characteristics, and product morphology. Carbon, 2024, 217, 118605.	10.3	0
38768	The computational study of external heat flux and silicon doping effect on displacement of C20 molecule in a carbon nanotube (CNT): A molecular dynamics method. Results in Physics, 2023, 55, 107185.	4.1	0

#	ARTICLE	IF	CITATIONS
38769	Phase Diagrams of a Mixed-Spin-1/2 and Spin-5/2 Hexagonal Nanotube with Core-Shell Structure. Spin, 0, , .	1.3	0
38770	Channeling acceleration in crystals and nanostructures and studies of solid plasmas: new opportunities. Journal of Instrumentation, 2023, 18, P11008.	1.2	0
38771	Overcoming strength-ductility trade-off by building a micro-nano laminated structure based on an ultralow amount of single-dispersed carbon nanotubes. International Journal of Plasticity, 2023, 171, 103805.	8.8	0
38772	Adsorption performance and mechanisms of Co ²⁺ onto carboxyl-functionalized carbon nanotubes. Journal of Cleaner Production, 2023, 430, 139709.	9.3	2
38773	A Modified Tape Pretreatment Process for Enhanced Field Emission Cold Cathode. IEEE Transactions on Electron Devices, 2024, 71, 802-807.	3.0	1
38775	Unique Nanostructures of Carbon Nano Onions. , 2023, , 1-49.		0
38776	FE Modelling of Vibrational Parameters of Viscoelastic CNTâ€“CFRP Hybrid Spherical Shell Structures. Journal of Vibration Engineering and Technologies, 0, , .	2.2	1
38777	Tailoring TiO ₂ finite nanotubes: Doping-induced modulation of electronic, optical, and hydrogen storage properties. Fuel, 2024, 359, 130334.	6.4	3
38780	Multiple solutions of unsteady flow of CNTs nanofluid over permeable shrinking surface with effects of dissipation and slip conditions. Modern Physics Letters B, 0, , .	1.9	0
38781	Preparation and characterization the physical properties of graphene/carbon nanotubes films. Journal of Optics (India), 0, , .	1.7	0
38782	A Comprehensive Review of Current and Emerging Binder Technologies for Energy Storage Applications. ACS Applied Energy Materials, 2023, 6, 11773-11794.	5.1	2
38784	High-Strength Carbon Nanotube Fibers from Purity Control by Atomized Catalytic Pyrolysis and Alignment Improvement by Continuous Large Prestraining. Nano Letters, 2023, 23, 10739-10747.	9.1	2
38785	Investigation of vibration of the nano rotating blade coupled with viscous fluid medium by considering the nonlocal elastic theory. Journal of Low Frequency Noise Vibration and Active Control, 0, , .	2.9	0
38786	Identification of microbes using single-layer graphene-based nano biosensors. Journal of Molecular Modeling, 2023, 29, .	1.8	2
38788	Dynamics of inclined CNTRC sandwich beams under a moving mass with influence of CNT agglomeration. Comptes Rendus - Mecanique, 2023, 351, 373-390.	0.7	0
38789	Variation in properties of double-walled zigzag and armchair silicon nanotubes depending on SW defects and applied electric fields by SCC-DFTB method. Materials Science in Semiconductor Processing, 2024, 171, 107988.	4.0	1
38790	Numerical Analysis of Magnetohydrodynamic and Dissipated Hybrid Casson Nanofluid Flow Over an Unsteady Stretchable Rotating Disk with Cattaneo-Christov Heat Flux Model. Journal of Nanofluids, 2023, 12, 1748-1760.	2.7	1
38791	Impact of carbonization conditions and adsorbate nature on the performance of activated carbon in water treatment. BMC Chemistry, 2023, 17, .	3.8	0

#	ARTICLE	IF	CITATIONS
38792	The effect of thermal shock-based heat-treatment on the cost-effective and low-temperature synthesis of needle-like r-BN. Materials Today Communications, 2024, 38, 107643.	1.9	0
38793	Covalent Introduction of Plasma-Treated carbon nanotubes into polyimide nanocomposites at Ultra-Low content. European Polymer Journal, 2024, 202, 112609.	5.4	0
38794	Can endohedral transition metals enhance hydrogen storage in carbon nanotubes?. International Journal of Hydrogen Energy, 2024, 55, 604-610.	7.1	1
38795	Dynamic modal analysis of pristine single-walled carbon nanotubes. Materials Today Communications, 2024, 38, 107680.	1.9	0
38796	New Materials Used in IC. , 2024, , 1847-1863.		0
38797	Achieving enhanced tensile properties of polyurethane-multiwall carbon nanotubes nanocomposites. Nano Express, 2023, 4, 045013.	2.4	1
38798	Improved mechanical properties of multiwalled carbon nanotube reinforced acrylonitrile butadiene styrene nanocomposites prepared by twin screw extruder. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , .	2.5	0
38799	A substrate constituent Na-catalyzed growth of carbon nanotubes on glass substrate by atmospheric pressure PECVD. Applied Surface Science, 2024, 648, 158988.	6.1	0
38800	Wear Behaviour and Hardness of CNT Reinforced Alumina Composites. Smart Innovation, Systems and Technologies, 2024, , 593-601.	0.6	0
38801	Fabrication and Characterization of Carbon Nano Tube Reinforced with Alumina Matrix Material. Smart Innovation, Systems and Technologies, 2024, , 339-348.	0.6	0
38802	One-step liquid-phase synthesis of platinum nanocatalysts supported on carbon fiber substrates and their electrochemical characterization. Japanese Journal of Applied Physics, 0, , .	1.5	0
38803	Classification of IC Products by Manufacturing Processes. , 2024, , 165-186.		0
38804	A comparative study of polycarbonate nanocomposites respectively containing graphene nanoplatelets, carbon nanotubes and carbon nanofibers. , 2024, 1, 77-85.		1
38805	Synthesis of MWCNTs by chemical vapor deposition of methane using FeMo/MgO catalyst: role of hydrogen and kinetic study. Scientific Reports, 2023, 13, .	3.3	0
38806	Tailoring Optoelectronic Properties of ZnO Nanoparticles via Incorporation of Multiwalled Carbon Nanotube Contents on of ZnO/MWCNT Nanocomposites. ECS Journal of Solid State Science and Technology, 2023, 12, 121002.	1.8	0
38807	Single-walled carbon nanotube coated with Ponceau4R-doped over-oxidized polypyrrole as a sensitive sensor for voltammetric monitoring of salbutamol. Diamond and Related Materials, 2024, 141, 110705.	3.9	1
38808	Optical properties and Landau quantisations in twisted bilayer graphene. Philosophical Magazine, 2024, 104, 180-204.	1.6	0
38809	Excitation of wakefields in carbon nanotubes: a hydrodynamic model approach. New Journal of Physics, 0, , .	2.9	0

#	ARTICLE	IF	CITATIONS
38810	Sensing Multiwall Carbon Nanotube Film Mediated by a Fano Resonant Terahertz Metasurface. , 2023, 1, 2004-2012.		0
38811	Carrier Doping into Single-Walled Carbon Nanotubes through Encapsulation of Fluorinated Fullerenes. Journal of Physical Chemistry C, 0, , .	3.1	0
38812	Influence of Stone-Wales defects on the structural and electronic properties of single-walled silicon nanotubes by SCC-DFTB calculations. Materials Today Communications, 2024, 38, 107781.	1.9	0
38813	Buckling Analysis of Orthotropic Graphene Sheets Supported on Pasternak Elastic Medium Using Nonlocal Elasticity Theory and Differential Quadrature Method. , 0, , 384-395.		0
38814	Bending Vibration and Buckling Analysis Of Nonhomogeneous Nanotubes Using Nonlocal Elasticity Theory and Gdq Method. , 0, , 482-495.		0
38815	Vibration and Small Scale Effects of Skew Graphene Sheets Using Nonlocal Elasticity Theory. , 0, , 135-143.		0
38816	Vibration and Buckling Analysis of Nano-Scale Beams via Nonlocal Elasticity and Timoshenko Beam Theory : A Differential Quadrature Approach. , 0, , 40-54.		0
38817	Forced Vibration Study of Carbon Nanotubes Using Non-Local Elasticity and Timoshenko Beam Theories. , 0, , 457-466.		0
38818	A highly efficient, rapid, room temperature synthesis method for coal-based water-soluble fluorescent carbon dots and its use in Fe3+ ion detection. New Carbon Materials, 2023, 38, 1104-1115.	6.1	0
38819	Convergence of alkaline earth and transition metal oxide nanotube properties toward the 2D slab limit, computational investigation for energy conversion implications. Materials Today Communications, 2024, 38, 107830.	1.9	0
38820	Effects of local temperature on carbon nanotubes growth in premixed flame. Materials Today: Proceedings, 2023, , .	1.8	0
38821	Magnetized radiative flow of propylene glycol with carbon nanotubes and activation energy. Scientific Reports, 2023, 13, .	3.3	0
38822	Oxidation-treated carbon nanotube yarns accelerate neurite outgrowth and induce axonal regeneration in peripheral nerve defect. Scientific Reports, 2023, 13, .	3.3	0
38823	A review of the performance of fibre-reinforced composite laminates with carbon nanotubes. Nanotechnology Reviews, 2023, 12, .	5.8	0
38824	Materials-to-applications evaluation framework: assessing memristor technologies for neural network implementations. , 2023, , .		0
38826	Understanding the Mechanism of the Structure-Dependent Mechanical Performance of Carbon-Nanotube-Based Hierarchical Networks from a Deformation Mode Perspective. Nanomaterials, 2023, 13, 3119.	4.1	0
38827	Magnetic Properties of a Mixed Spin-1/2 and Spin-7/2 Hexagonal Core-Shell Nanotube. , 2023, 68, 619-619.		0
38828	The theoretical and experimental buckling analysis of a nanocomposite beams reinforced by nanorods made of recycled materials. Polymer Composites, 2024, 45, 3327-3342.	4.6	0

#	ARTICLE	IF	CITATIONS
38829	Intelligent Levenberg–Marquardt neural network solution to flow of carbon nanotubes in a nozzle of liquid rocket engine. <i>Nanotechnology</i> , 2024, 35, 085401.	2.6	0
38830	Villin headpiece unfolding upon binding to boridene mediated by the “anchoring-perturbation” mechanism. <i>IScience</i> , 2024, 27, 108577.	4.1	0
38831	Magnetic sorbents: Synthetic pathways and application in dispersive (micro)extraction techniques for bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2024, 171, 117486.	11.4	0
38832	Floating catalyst chemical vapour deposition (FCCVD) for direct spinning of CNT aerogel: A review. <i>Carbon</i> , 2024, 219, 118747.	10.3	0
38833	On line construction of carbon nanotube/polytriazole composite films with high tensile and heat resistant properties. <i>Carbon</i> , 2024, 218, 118726.	10.3	0
38834	EDL Impelled Flow of Magnetized Micropolar CNTs-Ingained Blood Through a Squeezed Arterial Channel. <i>BioNanoScience</i> , 2024, 14, 119-152.	3.5	1
38835	Plant-Derived Nanomaterials for Targeted Biological Applications and Smart Agriculture. <i>ChemistrySelect</i> , 2023, 8, .	1.5	0
38836	Recent Progress on Green New Phase Extraction and Preparation of Polyphenols in Edible Oil. <i>Molecules</i> , 2023, 28, 8150.	3.8	0
38837	Functionalities of electrochemical fluoroquinolone sensors and biosensors. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0
38838	Magnetically driven MWCNT-Fe ₃ O ₄ -water hybrid nanofluidic transport through a micro-wave channel: A novel MEMS design for drug delivery application. <i>Materials Today Communications</i> , 2024, 38, 107844.	1.9	4
38839	A Review on Development of Carbon-Based Nanomaterials for Energy Storage Devices: Opportunities and Challenges. <i>Energy & Fuels</i> , 2023, 37, 19433-19460.	5.1	1
38840	Recent advances of carbon nanotubes synthesis by the electric arc technique using atomized platinum-group metal catalysts. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2024, 300, 117121.	3.5	0
38841	Design of three-dimensional B-C-N structures via tailoring GNRs and BNNRs. <i>Diamond and Related Materials</i> , 2024, 141, 110736.	3.9	0
38842	Exploring the potential of molecularly imprinted polymers and metal/metal oxide nanoparticles in sensors: recent advancements and prospects. <i>Mikrochimica Acta</i> , 2023, 190, .	5.0	0
38843	Carbon-Based Nanomaterials Decorated Electrospun Nanofibers in Biosensors: A Review. <i>ACS Omega</i> , 0, , .	3.5	0
38844	Enhancement effect of multiwalled carbon nanotubes on mortars prepared with different grades of recycled fine aggregates. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2024, 32, 232-245.	2.1	0
38845	Functionalized Carbon Nanotubes as Gene Carriers. , 2024, , 105-129.		0
38846	Electronic and structural properties of hydrogen adsorption on $\hat{1}^3$ -Graphyne and $\hat{1}^3$ -BNyne. <i>Computational Materials Science</i> , 2024, 232, 112677.	3.0	0

#	ARTICLE	IF	CITATIONS
38847	B and N substitutional co-doping in 7AGNRs. Electronic Structure, 2023, 5, 045013.	2.8	0
38848	The nano-pumping process of C20 molecules from carbon nanotube at the different external electric fields and atomic defects: A molecular dynamics approach. Diamond and Related Materials, 2024, 142, 110735.	3.9	0
38849	Recent developments in the adsorption of uranium ions from wastewater/seawater using carbon-based adsorbents. Journal of Environmental Chemical Engineering, 2024, 12, 111705.	6.7	0
38850	Probing the Electronic Structure of Prussian Blue and Analog Films by Photoemission and Electron Energy Loss Spectroscopies. ChemPhysChem, 2024, 25, .	2.1	0
38851	Flexible piezoelectric sensor based on <scp>Polyacrylonitrile</scp>/<scp>MWCNT</scp>/<scp>MXene</scp> composites films for human physiological health detection. Journal of Applied Polymer Science, 0, , .	2.6	0
38852	Static, dynamic and buckling behavior of functionally graded beams with tunable inclusions. International Journal of Solids and Structures, 2024, 288, 112620.	2.7	0
38853	nâ€Type Fullereneâ€Carbon Dots: Synthesis and Electrochemical and Photophysical Properties. Chemistry - A European Journal, 2024, 30, .	3.3	0
38855	Higher-order buckling analysis of FG porous cylindrical micro-shells integrated with GPLs-RC patches in hygrothermal environment immersed on Kerr foundation. Acta Mechanica, 0, , .	2.1	0
38856	Numerical investigation on the thermal-nanofluidic flow induced transverse and longitudinal vibrations of single and multi-walled branched nanotubes resting on nonlinear elastic foundations in a magnetic environment. Partial Differential Equations in Applied Mathematics, 2024, 9, 100602.	2.4	0
38857	70th Year Anniversary of Carbon Nanotube Discoveryâ€™Focus on Real-World Solutions. Nanomaterials, 2023, 13, 3162.	4.1	0
38858	Towards the superlubricity of polymerâ€steel interfaces with ionic liquids and carbon nanotubes. Tribology International, 2024, 191, 109203.	5.9	0
38859	Properties of multi-walled carbon nanotubes grown three-dimensional (3D) woven carbon/epoxy multiscale composites: Experimental study. Materials Today Communications, 2024, 38, 107907.	1.9	0
38860	Femtosecond laser treatment of SWNT onto metal electrodes and its effect on carbon nanotube field effect transistor. Optics and Laser Technology, 2024, 171, 110431.	4.6	0
38861	Single walled carbon nanotubes band gap width measurement and the influence of nitrogen doping research. Physical Chemistry Chemical Physics, 2024, 26, 1616-1624.	2.8	0
38862	Immobilization of Candida rugosa lipase on optimized polyamidoamine dendrimer functionalized magnetic multiwalled carbon nanotubes for green manufacture of butyl butyrate ester. Molecular Catalysis, 2024, 553, 113779.	2.0	0
38863	Physicomechanical Properties of Carbon Nanotubes Reinforced Cementitious Concrete â€“ A Review. Open Construction and Building Technology Journal, 2023, 17, .	0.7	0
38864	Hostâ€Guest Chemistry in Binary and Ternary Complexes Utilizing Î€â€Conjugated Carbon Nanorings. ChemPlusChem, 0, , .	2.8	1
38866	Molecular Î€-Orbital Construction for Non-Planar Conjugated Systems. Journal of Chemical Theory and Computation, 0, , .	5.3	0

#	ARTICLE	IF	CITATIONS
38867	Functionalization of Carbon Nanotubes and Graphene Derivatives with Conducting Polymers and Their Applications in Dye-Sensitized Solar Cells and Supercapacitors. <i>Polymers</i> , 2024, 16, 53.	4.5	1
38868	Random distribution of interphase characteristics on the overall electro-mechanical properties of CNT piezo nanocomposite: Micromechanical modeling and Monte Carlo simulation. <i>Probabilistic Engineering Mechanics</i> , 2024, 75, 103577.	2.7	0
38869	Functionalized Carbon Nanostructures for Electroanalysis. , 2023, , 1-33.		0
38870	Multi-stable straw-like carbon nanotubes for mechanical programmability at microscale. <i>International Journal of Smart and Nano Materials</i> , 2024, 15, 95-109.	4.2	0
38871	Using a Hydrodynamic Approach to Model the Dynamics of a Laser Beam in an Array of Carbon Nanotubes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2023, 87, 1841-1844.	0.6	0
38872	Propagation of Extremely Short Optical Pulses in Carbon Nanotubes with a Random Tilt. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2023, 87, 1829-1832.	0.6	0
38873	Imogolite Nanotubes and Their Permanently Polarized Bifunctional Surfaces for Photocatalytic Hydrogen Production. <i>Global Challenges</i> , 0, , .	3.6	0
38874	Research status and prospects of organic photocatalysts in algal inhibition and sterilization: a review. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0
38875	Electrically conductive coals in nature: Their traits, whereabouts, green-exploitations and impacts. <i>Fuel</i> , 2024, 361, 130741.	6.4	0
38876	Characterization and Antibacterial Potential of Iron Oxide Nanoparticles in Eradicating Uropathogenic <i>E. coli</i>. <i>ACS Omega</i> , 0, , .	3.5	0
38877	Recent research progress on modified activated carbon from biomass for the treatment of wastewater: A critical review. <i>Environmental Quality Management</i> , 0, , .	1.9	0
38878	Spectromicroscopy Study of Induced Defects in Ion-Bombarded Highly Aligned Carbon Nanotubes. <i>Nanomaterials</i> , 2024, 14, 77.	4.1	0
38879	Channelized water driven flow of MHD carbon-nanotube nanofluid influenced by rotation, heat source and thermal radiation. <i>PLoS ONE</i> , 2023, 18, e0295406.	2.5	0
38880	Carbon-based Nanozymes: How Structure Affects Performance. <i>Nano Biomedicine and Engineering</i> , 2024, 16, 28-47.	0.9	0
38881	A comprehensive review of carbon nanotubes: growth mechanisms, preparation and applications. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2024, 32, 415-429.	2.1	0
38882	Mechanical strength enhancement of CaZr4P6O24 ceramics with multi-walled carbon nanotubes additions. <i>Journal of Alloys and Compounds</i> , 2024, 976, 173310.	5.5	0
38883	Uniqueness of Nanoscale Confinement for Fast Water Transport: Effect of Nanotube Diameter and Hydrophobicity. <i>Journal of Physical Chemistry B</i> , 2024, 128, 222-243.	2.6	0
38884	Enhanced Pervaporation of the Poly(dimethylsiloxane) (PDMS) Mixed Matrix Membrane Based on the Self-Assembly of Multidimensional Carbon Nanomaterials. <i>Industrial & Engineering Chemistry Research</i> , 0, , .	3.7	0

#	ARTICLE	IF	CITATIONS
38885	Neutron Activation Analysis of Rare Earth Element Extraction from Solution through a Surfactant-Assisted Dispersion of Carbon Nanotubes. <i>Nanomaterials</i> , 2024, 14, 92.	4.1	0
38886	The Effect of MoS2 and MWCNTs Nanomicro Lubrication on the Process of 7050 Aluminum Alloy. <i>Processes</i> , 2024, 12, 68.	2.8	1
38887	Nanoscale modeling of an efficient Carbon Nanotube-based RF switch using XG-Boost machine learning algorithm. <i>Microsystem Technologies</i> , 2024, 30, 105-116.	2.0	1
38888	Peristaltic Flow of Ethylene Glycol and Water Mixture-Based Hybrid Nanofluid in an Asymmetric Channel. <i>BioNanoScience</i> , 0, , .	3.5	0
38889	Synergistic effect of carbon nanotube/graphene nanoplatelet hybrids on the elastic and viscoelastic properties of polymer nanocomposites: finite element micromechanical modeling. <i>Acta Mechanica</i> , 0, , .	2.1	0
38890	Role of Nanotechnology in Medicine: Opportunities and Challenges. <i>Environmental Science and Engineering</i> , 2024, , 353-375.	0.2	0
38891	Unraveling the governing properties of confined carbyne through the interaction with its carbon nanotube host. <i>Carbon</i> , 2024, 219, 118784.	10.3	0
38892	Synthesis of superhydrophobic carbon sphere by pyrolysis of heavy oil fraction of coal tar/ferrocene mixture and their magnetic nanostructure. <i>Diamond and Related Materials</i> , 2024, 142, 110796.	3.9	0
38893	A quantum mechanical approach to the oxidation mechanism of graphene oxide (GO). <i>Heliyon</i> , 2024, 10, e24072.	3.2	0
38894	Mechanical, microstructural, and textural evaluation of aluminum-MWCNT composites manufactured via accumulative roll bonding at ambient condition. <i>Materials Chemistry and Physics</i> , 2024, 315, 128891.	4.0	1
38895	Biomass Valorization for Bioenergy Production. <i>Green Energy and Technology</i> , 2024, , 67-104.	0.6	0
38896	Nanomaterials: paving the way for the hydrogen energy frontier. , 2024, 19, .		1
38897	Carbon nanomaterials for sweat-based sensors: a review. <i>Mikrochimica Acta</i> , 2024, 191, .	5.0	0
38898	Incorporation of Carbon Nanotubes in Non-Fullerene Acceptor Organic Solar Cells: A Review. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , 2023, 59, 441-458.	1.6	0
38899	Mitigating microplastic pollution: A critical review on the effects, remediation, and utilization strategies of microplastics. <i>Journal of Environmental Management</i> , 2024, 351, 119988.	7.8	3
38900	Porous carbon fabrication techniques: A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2024, , .	5.8	0
38901	Improved Heat Dissipation of Dip-Coated Single-Walled Carbon Nanotube/Mesh Sheets with High Flexibility and Free-Standing Strength for Thermoelectric Generators. <i>Coatings</i> , 2024, 14, 126.	2.6	0
38903	Photocatalytic properties of zero-dimensional carbonâ€‘based nanomaterials: application as catalysts/adsorbents in water treatment. , 2024, , 291-355.		0

#	ARTICLE	IF	CITATIONS
38904	Future sustainability and sensitivity of nanostructured materialâ€‘based electrochemical biosensors over other technologies. , 2024, , 575-595.		0
38905	Resistive hydrogen sensors based on carbon nanotubes: A review. Sensors and Actuators A: Physical, 2024, 366, 115013.	4.1	1
38906	Electromagnetic (EM radiation) interference shielding material epicenter to carbon filler-based composite. , 2024, , 155-194.		0
38907	Strain, anharmonicity, and finite-size effects on the vibrational properties of linear carbon chains. Physical Review B, 2024, 109, .	3.2	2
38908	Developing new-generation covalent organic frameworks as sustainable catalysts: Synthesis, properties, types and solar energy production. Materials Science and Engineering Reports, 2024, 157, 100771.	31.8	0
38909	Carbon-based self-powered terahertz detector with multi-walled carbon nanotubes-graphene heterostructure. Carbon, 2024, 221, 118886.	10.3	0
38910	Epoxy-based nanocomposites as emerging stimuli-responsive materials. , 2024, , 63-85.		0
38911	Controlled Synthesis of Carbon Quantum Dots. , 2024, , 1-43.		0
38912	Atomic and Electronic Structure of Metalâ€‘Salen Complexes [M(Salen)], Their Polymers and Composites Based on Them with Carbon Nanostructures: Review of X-ray Spectroscopy Studies. Applied Sciences (Switzerland), 2024, 14, 1178.	2.5	0
38913	A Comprehensive Review on Carbon Nanotubes Based Smart Nanocomposites Sensors for Various Novel Sensing Applications. Polymer Reviews, 2024, 64, 575-638.	10.9	1
38914	Critical review on the characterization, preparation, and enhanced mechanical, thermal, and electrical properties of carbon nanotubes and their hybrid filler polymer composites for various applications. Composites Part C: Open Access, 2024, 13, 100434.	3.2	0
38915	Carbon-Polyaniline Composite Adsorbents for Aqueous Pollutants Uptake. , 2024, , .		0
38916	Application of Nanoadsorbents for Lead Decontamination in Water. Environmental Contamination Remediation and Management, 2024, , 169-182.	1.0	0
38918	New Cap-Holed AlP, GaP, and InP Nanotubes. ACS Omega, 2024, 9, 2920-2930.	3.5	0
38920	Improving the stability of multiwalled carbon nanotube/silicone rubber composites strain sensors by nanosilica. Polymer Composites, 2024, 45, 4973-4984.	4.6	1
38921	Highpoints of carbon nanotube nanocomposite sensorsâ€‘A review. E-Prime, 2024, 7, 100419.	2.0	0
38923	Dynamic analysis of double cracked bi-directional functionally graded nanobeam using the differential quadrature method. Acta Mechanica, 2024, 235, 1961-2012.	2.1	0
38924	Chirality and length-dependent electron transmission of fullerene-capped chiral carbon nanotubes sandwiched in gold electrodes. Physical Chemistry Chemical Physics, 2024, 26, 3474-3481.	2.8	0

#	ARTICLE	IF	CITATIONS
38925	Physicochemical Characterizations of Functionalized Carbon Nanostructures. , 2024, , 1-48.		0
38926	Electronic Structure of Isolated Graphene Nanoribbons in Solution Revealed by Two-Dimensional Electronic Spectroscopy. Nano Letters, 2024, 24, 797-804.	9.1	0
38927	Important contributions of carbon materials in tribology: From lubrication abilities to wear mechanisms. Journal of Alloys and Compounds, 2024, 979, 173454.	5.5	0
38928	Exploration of anode candidacy of NiO.2Co2.8O4 and integrated NiO.2Co2.8O4/MWCNTs in supercapacitor and oxygen evolution reaction. Heliyon, 2024, 10, e24214.	3.2	1
38929	Electronic Properties of Graphene Nano-Parallelograms: A Thermally Assisted Occupation DFT Computational Study. Molecules, 2024, 29, 349.	3.8	1
38930	Selective uptake and desorption of carbon dioxide in carbon honeycombs of different sizes. Low Temperature Physics, 2024, 50, 97-102.	0.6	0
38931	Green synthesis and characterization of multiwall carbon nanotubes from sugarcane bagasse as a biogenic catalyst via chemical vapour deposition method using LPG as hydrocarbon source. Materials Letters, 2024, 359, 135904.	2.6	1
38932	Thermal Conductance between 6 nm Single-Walled Carbon Nanotube Bundle and Si Substrate. Journal of Physical Chemistry C, 2024, 128, 1505-1517.	3.1	0
38933	Recent advancements in the use of plastics as a carbon source for carbon nanotubes synthesis - A review. Heliyon, 2024, 10, e24679.	3.2	0
38934	A Highly Sensitive Surface-Modified Porous Carbon Nanotube-Based Sensor for Ammonia Gas Detection. ACS Omega, 2024, 9, 4486-4496.	3.5	0
38935	Insights into the host-guest systems of single-walled-carbon-nanotube-confined polyoxometalates. Cell Reports Physical Science, 2024, 5, 101780.	5.6	0
38936	A comprehensive review of various carbonaceous materials for anodes in lithium-ion batteries. Dalton Transactions, 2024, 53, 4900-4921.	3.3	0
38937	Evaluation of shear modulus and buckling loads of SWCNT's using numerical and analytical techniques. I-manager S Journal on Material Science, 2023, 11, 1.	0.2	0
38938	Sensing methodology. , 2024, , 103-121.		0
38939	Carbon nanotubeâ€‘based polyimide nanocompositesâ€‘An overview. , 2024, , 189-231.		0
38940	Sampling, characterization, classification, and identification of nano-waste materials. , 2024, , 41-69.		0
38941	Perspectives of dielectric and A.C. conductivity behavior of MWCNT and graphene-doped amorphous Selenium thin films. Journal of Materials Science: Materials in Electronics, 2024, 35, .	2.2	0
38942	CNTFET VDGA based ultra-low power low voltage high frequency filter applications. Journal of the Faculty of Engineering and Architecture of Gazi University, 0, , .	0.8	0

#	ARTICLE	IF	CITATIONS
38943	Applications of carbon nanotubes-based biosensors: a comprehensive review. , 2024, , 457-477.		0
38944	Carbon-based nanomaterials for photocatalytic application. , 2024, , 153-178.		0
38945	Carbon nanotubes for sustainable environmental remediation: A critical and comprehensive review. Nano Structures Nano Objects, 2024, 37, 101099.	3.5	0
38946	Structural design underpinning self-healing materials for electromagnetic interference shielding: coupling of dynamic polymer chemistry and electrical conductivity. Journal of Materials Chemistry A, 2024, 12, 4971-4995.	10.3	0
38947	Bulk synthesis of vertical alignment of multiwalled carbon nanotubes using microwave heating via catalytic decomposition of acetylene using ferrocene as a catalyst. , 2024, , 503-527.		0
38948	Design of carbon allotrope FET-based folded cascode operational transconductance amplifiers (FC-OTA). International Journal of Electronics, 0, , 1-21.	1.4	0
38949	Properties and adsorption mechanism of organic pollutants by carbon nanotubes. , 2024, , 243-269.		0
38950	Emerging innovative techniques for ash management. , 2024, , 69-77.		0
38951	Advance understanding of the synthesis process, special performance, and multidiscipline applications of SiC nanowires and the constructed composites. Journal of Materials Research and Technology, 2024, 29, 1131-1154.	5.8	0
38953	Describing carbons. Carbon Trends, 2024, 14, 100325.	3.0	0
38954	Towards Negative Emissions: Hydrothermal Carbonization of Biomass for Sustainable Carbon Materials. Advanced Materials, 2024, 36, .	21.0	1
38955	On-surface synthesis and characterization of polyyinic carbon chains. National Science Review, 2024, 11, .	9.5	0
38956	BNNT <i>vs.</i> CNT: influence of structural defects on damping characteristics of nanocomposites. Dalton Transactions, 2024, 53, 2922-2928.	3.3	0
38957	Recent Advances in Dispersant Technology for Carbon Nanotubes toward Energy Device Applications. Advanced Energy and Sustainability Research, 2024, 5, .	5.8	0
38958	Extreme Metastability of Diamond and its Transformation to the BC8 Post-Diamond Phase of Carbon. Journal of Physical Chemistry Letters, 2024, 15, 1152-1160.	4.6	0
38959	Carbon Nanomaterials for Biomedical Applications: Progress and Outlook. ACS Applied Bio Materials, 2024, 7, 752-777.	4.6	1
38960	Fundamentals of advanced electrode nanomaterials. , 2024, , 15-70.		0
38961	Molecular dynamics study of the mechanical properties of hydrated calcium silicate enhanced by functionalized carbon nanotubes. Journal of Molecular Modeling, 2024, 30, .	1.8	0

#	ARTICLE	IF	CITATIONS
38963	Current Advances in the Synthesis, Properties, and Biomedical Applications of Two-Dimensional Graphdiyne: A Review. ACS Applied Nano Materials, 2024, 7, 2461-2493.	5.0	0
38964	Renewable Carbonaceous Materials from Biomass in Catalytic Processes: A Review. Materials, 2024, 17, 565.	2.9	0
38965	Characterization of polymer nanocomposites in biomedical implants. , 2024, , 31-66.		0
38966	Passively Q-switched Nd³⁺ solid-state lasers with hexakis-[(trimethylsilyl)ethynyl]benzene and graphdiyne as saturable absorbers. Optics Express, 2024, 32, 5922.	3.4	0
38967	Carbonâ€‘based Materials for Liâ€‘ion Battery. Batteries and Supercaps, 2024, 7, .	4.7	0
38968	Multi-walled carbon nanotubes as lipase carriers for organic synthesis: Current trends and recent update. Hemijska Industrija, 2024, 78, 1-16.	0.7	0
38970	Naturally Occurring Allotropes of Carbon. Analytical Chemistry, 0, , .	6.5	0
38971	A novel self-enhanced electrochemiluminescent aptamer sensor based on ternary nanocomposite PEI/RuSi-MWCNTs for the detection of profenofos residues in vegetables. Heliyon, 2024, 10, e25167.	3.2	0
38972	Density Functional Theory Study of Removal of 4-(((4-(Phenyldiazenyl) Phenyl) Imino) Methyl) Benzoic Acid Azo Dye by Boron Nitride-Nanotube, to Investigate a Model for Industrial Wastewater Treatment. Water, Air, and Soil Pollution, 2024, 235, .	2.4	0
38973	Radiation-Induced Synthesis of Carbon Nanostructures. , 2023, , 1-60.		0
38974	Effect of Ultrasonic Dispersion on Electrophysical Characteristics of Composites Based on Carbon Nanotubes. Russian Physics Journal, 2024, 67, 70-77.	0.4	0
38975	Effect of Ultrasonic Dispersion on Electrophysical Characteristics of Composites Based on Carbon Nanostructures TUC4C8<math xmlns= "http://www.w3.org/1998/Math/MathML" id="M1"><mfenced open="[" close="]" separators=" "><mrow><mi>p</mi><mo>,</mo><mi>q</mi></mrow></mfenced></math> and GTUC<math xmlns="http://www.w3.org/1998/Math/MathML" id="M2"><mfenced open="[" close="]" separators=" "><mrow><mi>p</mi><mi>q</mi></mrow></mfenced></math> Journal of	1.0	1
38976	Fully printed non-contact touch sensors based on GCN/PDMS composites: enabling over-the-bottom detection, 3D recognition, and wireless transmission. Science and Technology of Advanced Materials, 2024, 25, .	6.1	0
38977	A novel 2D carbon allotrope for high-performance metal-ion battery anode material. Materials Science in Semiconductor Processing, 2024, 173, 108146.	4.0	0
38978	Aligned Carbon Nanotube Polysiloxane Nanocomposite Laminate for Thermal Protection Systems. , 2024, , .		0
38979	A comprehensive assessment of nanomaterials reinforced lightweight aggregate concrete containing high-volume artificial shale ceramicsite. Journal of Building Engineering, 2024, 84, 108696.	3.4	0
38981	Construction and Application of an Electrochemical Sensor for Determination of D-Penicillamine Based on Modified Carbon Paste Electrode. Micromachines, 2024, 15, 220.	2.9	0
38982	Porous materials as effective chemiresistive gas sensors. Chemical Society Reviews, 2024, 53, 2530-2577.	38.1	0

#	ARTICLE	IF	CITATIONS
38983	Enhancing Soil Stabilization with Multi-walled Carbon Nanotubes. Springer Series in Geomechanics and Geoengineering, 2024, , 57-67.	0.1	0
38984	MHD unsteady flow of carbon nanotubes over nonlinear radiative surface with anisotropic slip conditions: computational analysis of irreversibility for Yamada-Ota model. Engineering Applications of Computational Fluid Mechanics, 2024, 18, .	3.1	0
38985	Polymer nanocomposite films and coatings in aerospace applications. , 2024, , 591-629.		0
38986	Transfer printing techniques enabled by advanced carbon nanomaterials. , 2024, , 117-144.		0
38987	CNTâ€“PDMS film-based flexion sensor for examining physical activity in humans. Carbon Letters, 2024, 34, 1187-1195.	5.9	0
38988	Nanomaterials in solar cells. , 2024, , 121-148.		0
38989	Polymerâ€“CNT composites for food packaging. , 2024, , 245-262.		0
38990	Polymer nanocomposite films and coatings for screening electromagnetic interference pollution. , 2024, , 691-727.		0
38991	Introduction to nanotechnology. , 2024, , 1-26.		0
38992	Porous material-based QuEChERS: Exploring new horizons in sample preparation. TrAC - Trends in Analytical Chemistry, 2024, 172, 117571.	11.4	0
38993	Nanomaterials in environmental sensors. , 2024, , 607-634.		0
38994	Impact of Ohmic heating and nonlinear radiation on Darcyâ€“Forchheimer magnetohydrodynamics flow of water-based nanotubes of carbon due to nonuniform heat source. , 2024, , 135-168.		0
38995	Spatial configuration of interlayer maximizing suppression and conversion efficiency of lithium polysulfides for advanced lithiumâ€“sulfur batteries. Materials Today Energy, 2024, 41, 101521.	4.7	0
38996	Synthesis and functionalization of carbon nanostructures in a singleâ€“step <scp>CVD</scp> process through the implementation of a recycled precursor. Journal of Chemical Technology and Biotechnology, 0, , .	3.2	0
38997	Sr-centered monocyclic carbon ring Sr@C14: A new stable cluster. Journal of Molecular Graphics and Modelling, 2024, 128, 108727.	2.4	0
38998	Chirality engineering for carbon nanotube electronics. , 2024, 1, 149-162.		0
38999	Isotropic high-strength aluminum matrix composites reinforced by carbon nanotubes and intra-crystalline nanoparticles. Journal of Materials Research and Technology, 2024, 29, 2781-2787.	5.8	0
39000	Influence of nanosilica on the acoustic properties of epoxy and evaluation of the composite as a coating for aircraft panels. Composites Communications, 2024, 46, 101842.	6.3	0

#	ARTICLE	IF	CITATIONS
39001	Free vibration analysis of functionally graded carbon nanotubes reinforced double plates. Mechanics Based Design of Structures and Machines, 0, , 1-30.	4.7	0
39002	Study on the Mechanism of CNTs Regulating the Microstructures and Properties of Al–Cu–Mg Alloy. Crystals, 2024, 14, 165.	2.2	0
39003	Synthesis of TPU/MWCNT Nanocomposite-Based Filament for Strain Sensors Application. , 2023, , .		0
39004	Metal organic frameworks-based cathode materials for advanced Li-S batteries: A comprehensive review. Nano Research, 2024, 17, 2592-2618.	10.4	0
39005	An Magnetohydrodynamics Effect of Non-Newtonian Fluid Flows Over a Stretching/Shrinking Surface with CNT. Arabian Journal for Science and Engineering, 0, , .	3.0	0
39006	Analytical modeling of the electrical conductivity of CNT-filled polymer nanocomposites. Mathematics and Mechanics of Solids, 0, , .	2.4	0
39007	Synthesis and characterization of hierarchical suspended carbon fiber structures decorated with carbon nanotubes. Journal of Materials Science, 2024, 59, 2893-2906.	3.7	0
39008	Molecular Dynamics Simulation of Nanometer-Sized Carbon Nitride Polyaniline (C ₃ N) Binding to Small Intestinal Epithelial Cell Membranes. ACS Applied Nano Materials, 2024, 7, 3817-3825.	5.0	0
39009	Nanocarbon-based sheets: Advances in processing methods and applications. Carbon, 2024, 221, 118909.	10.3	0
39010	Investigation of Electromagnetic Wave Propagation in Triple Walled Carbon Nanotubes. International Journal of Computational and Experimental Science and Engineering, 2024, 10, .	10.0	0
39011	First-Principles Studies of Three Pristine and BN-Doped Graphyne Allotropes. Acta Physica Polonica A, 2024, 145, 71-80.	0.5	0
39012	Influence of the pressure of a propane-butane mixture on the morphology of carbon nanomaterial formed in an arc discharge. Thermophysics and Aeromechanics, 2023, 30, 917-924.	0.5	0
39013	Heteroatom-Doped Carbon Nanotube Membranes from Waste Biomass for Photoelectro-Catalytic Water Purification. Advanced Sustainable Systems, 0, , .	5.3	0
39014	A Review on Carbon Nanotubes Family of Nanomaterials and Their Health Field. ACS Omega, 2024, 9, 8687-8708.	3.5	0
39015	Room temperature NO2 gas sensor based on F-SWCNTs/nickel nanoparticles. AIP Conference Proceedings, 2024, , .	0.4	0
39016	Perspective of Nanomaterials and Nanomedicine Procedures in Molecular Hydrogen Therapy. , 2024, , 435-449.		0
39017	Enhanced flow in deformable carbon nanotubes. Journal of Applied Physics, 2024, 135, .	2.5	0
39018	Nanomaterials in the Wound Healing Process: New Insights and Advancements. Pharmaceutics, 2024, 16, 300.	4.5	0

#	ARTICLE	IF	CITATIONS
39019	Tuning optical properties of I€-conjugated double nanohoops under external electric field stimuli-responsiveness. Physical Chemistry Chemical Physics, 2024, 26, 8716-8723.	2.8	0
39020	Partition Resolvability of Nanosheet and Nanotube Derived from Octagonal Grid. Journal of Mathematics, 2024, 2024, 1-10.	1.0	0
39021	CNT-based enhanced GaAs/InAs multiple quantum well solar cell. Journal of Computational Electronics, 2024, 23, 382-395.	2.5	0
39022	Porphyrin-based frameworks and derivatives for the oxygen reduction reaction. , 2024, 4, 100044.		0
39023	Multi-walled carbon nano-tubes in ovarian cancer treatment: Expanding horizon. AIP Conference Proceedings, 2024, , .	0.4	0
39024	Well-established carbon nanomaterials: modification, characterization and dispersion in different solvents. Journal of Materials Science, 2024, 59, 3339-3362.	3.7	0
39025	Thermal barrier coatings with nanostructured YSZ for high temperature application. AIP Conference Proceedings, 2024, , .	0.4	0
39026	Materials-based drug delivery approaches: Recent advances and future perspectives. Green Processing and Synthesis, 2024, 13, .	3.4	0
39027	Atom-bond-connectivity (ABC) indices of graphene sheets, zigzag single walled carbon nanotubes and single walled carbon nanotori. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2024, .	1.5	0
39028	Applications of neuro-computing and fractional calculus to blood streaming conveying modified trihybrid nanoparticles with interfacial nanolayer aspect inside a diseased ciliated artery under electroosmotic and Lorentz forces. International Communications in Heat and Mass Transfer, 2024, 152, 107313.	5.6	0
39029	A Quantum Chemical Study on the Enormously Large Nonlinear Optical Response of Doped Endohedral Superalkali Na₂F and Superhalogens MF₄ (M = B, Al) with CNT (C56H16) Cage. Macromolecular Symposia, 2024, 413, .	0.7	0
39030	A Computational Quantum Chemical Approach for Surface Assimilation Effects of Wellâ€Known Voltage Sensitive Potassium Channel Blockers (4â€Aminopyridine and 3,4â€Diaminopyridine) over Carbon Nanotube. Macromolecular Symposia, 2024, 413, .	0.7	0
39031	Impact of nanotechnology at heterogeneous interphases @ Sustainability. Heliyon, 2024, 10, e26943.	3.2	0
39032	A new strategy for highly wear-resistant ball using carbon nanotube composites: Study on the impact wear resistance and interfacial bonding mechanism. Journal of Materials Research and Technology, 2024, 29, 4459-4469.	5.8	0
39033	Effects of polyurethane/functionalised carbon nanotube interfacial interactions on tensile and compressive properties â€ molecular dynamics simulations. Molecular Physics, 0, , .	1.7	0
39034	Surface Modification of Multiwalled Carbon Nanotube on the Performance of SBS Asphalt. Journal of Materials in Civil Engineering, 2024, 36, .	2.9	0
39035	Efficacy of Side-Channel Analysis for Hardware Trojan Detection: A Case Study of CNTFET. , 2023, , .		0
39036	Carbon Nanotubes for Metal-Ion Batteries. Engineering Materials, 2024, , 109-129.	0.6	0

#	ARTICLE	IF	CITATIONS
39037	Nanofillers in the Biomedical Industry. , 2024, , 1-33.		0
39038	Deepâ€Ultraviolet and Helicityâ€Dependent Raman Spectroscopy for Carbon Nanotubes and 2D Materials. Small, 0, , .	10.0	0
39039	Ku-Band Mixers Based on Random-Oriented Carbon Nanotube Films. Nanomaterials, 2024, 14, 450.	4.1	0
39040	Exploring the structural, electronic, and hydrogen storage properties of hexagonal boron nitride and carbon nanotubes: insights from single-walled to doped double-walled configurations. Scientific Reports, 2024, 14, .	3.3	0
39041	Progress in Electronic, Energy, Biomedical and Environmental Applications of Boron Nitride and MoS2 Nanostructures. Micromachines, 2024, 15, 349.	2.9	0
39042	Wet Twisting in Spinning for Rapid and Costâ€Effective Fabrication of Superior Carbon Nanotube Yarns. Advanced Functional Materials, 0, , .	14.9	0
39043	Debundling and reorganization of CNT networks under high temperature treatment. Carbon, 2024, 222, 119004.	10.3	0
39044	Trends in nanomaterial types, synthesis methods, properties and uses: Toxicity, environmental concerns and economic viability. Nano Structures Nano Objects, 2024, 37, 101109.	3.5	0
39045	Nanocarbon as Catalyst Support for Fuel Hydrogen Generation by Hydrolysis of Sodium Borohydride. Engineering Materials, 2024, , 293-308.	0.6	0
39046	Synthesis and Characterizations of Nanocarbon. Engineering Materials, 2024, , 17-34.	0.6	0
39047	Development of a Sample Preparation Method and Coaxial Jigs to Measure the Shielding Effectiveness of SWCNTs. The Journal of Korean Institute of Electromagnetic Engineering and Science, 2024, 35, 36-46.	0.3	0
39048	Dispersive Microâ€Solid Phase Extraction of Selected Metals in Water and Food Samples Followed by ICPâ€OES Analysis: Method Development, Analysis of Real Samples and Greenness Evaluation. ChemistrySelect, 2024, 9, .	1.5	0
39049	Applications of nanomaterial technology in biosensing. Journal of Science: Advanced Materials and Devices, 2024, 9, 100694.	3.1	0
39050	Systematic study of the structure-property relationship of C24N24 nanoclusters for the detection and electrochemical sensing of chemical warfare agents: Molecular modelling at DFT level. Journal of Molecular Structure, 2024, 1307, 137905.	3.6	0
39051	Effect of thermal radiation on aqueous hybrid nanofluid: the stability analysis. European Physical Journal Plus, 2024, 139, .	2.6	0
39052	Amine-modified multi-walled carbon nanotubes/graphene nanoplatelets for adsorptive removal of rhodamine B. Materials Chemistry and Physics, 2024, 317, 129157.	4.0	0
39053	Improving Carbon Nanotube-Based Radiofrequency Field-Effect Transistors by the Device Architecture and Doping Process. ACS Applied Materials & Interfaces, 2024, 16, 12813-12820.	8.0	0
39054	A non-polynomial axiomatic framework to investigate the structural responses of CNT-reinforced beams: An analytical solution. Archive of Applied Mechanics, 2024, 94, 883-901.	2.2	0

#	ARTICLE	IF	CITATION
39055	Biosynthesis of Gold- and Silver-Incorporated Carbon-Based Zinc Oxide Nanocomposites for the Photodegradation of Textile Dyes and Various Pharmaceuticals. Textiles, 2024, 4, 104-125.	4.1	0
39056	Theoretical approaches toward designing sensitive materials for carbon nanotube-based field-effect transistor gas sensors. Sensors and Actuators B: Chemical, 2024, 409, 135604.	7.8	0
39057	The dielectric properties of silicone-multiwall carbon nanotubes nanocomposite in the frequency range from 0.5 to 20 GHz. AIP Advances, 2024, 14, .	1.3	0
39058	Nanotube Structure of AsPS₄Se_{<i>x</i>} (<i>x</i> = 0, 1). Inorganic Chemistry, 2024, 63, 4915-4924.	4.0	0
39059	Potentialities of Bio-functionalized Carbon Nanotubes for Different Anti-cancerous Activities. Journal of Inorganic and Organometallic Polymers and Materials, 0, , .	3.7	0
39060	Incipient shape memory featuring nano-reinforced epoxy nanocompositesâ€”structural diversity and innovations. Polymer-Plastics Technology and Materials, 2024, 63, 1209-1226.	1.3	0
39061	Graphene promotes the growth of Vigna angularis by regulating the nitrogen metabolism and photosynthesis. PLoS ONE, 2024, 19, e0297892.	2.5	0
39062	Nanotechnological advances in cancer: therapy a comprehensive review of carbon nanotube applications. Frontiers in Bioengineering and Biotechnology, 0, 12, .	4.1	0
39063	Build Borophite from Borophenes: A Boron Analogue Graphite. Nano Letters, 2024, 24, 3448-3455.	9.1	0
39064	New type of copperâ€”iron metal-organic framework composited with carbon nanotubes for enhanced oxygen evolution reaction. International Journal of Hydrogen Energy, 2024, 61, 986-995.	7.1	0
39065	Molecular dynamics simulation of carbon nanotube growth under a tensile strain. Scientific Reports, 2024, 14, .	3.3	0
39066	Carbon nanotubes fertilizers: properties and applications. , 2024, , 233-246.		0
39067	Effect of the ratio of carbon nanotubes and carbon black on the properties of natural rubber. Plastics, Rubber and Composites, 2024, 53, 95-103.	2.0	0
39068	Carbon Nanomaterial Fluorescent Probes and Their Biological Applications. Chemical Reviews, 2024, 124, 3085-3185.	47.7	0
39069	Variationally consistent Elishakoff beam theory: Two finite element implementations and application to flexural wave propagation in carbon nanotubes. Journal of Sound and Vibration, 2024, 580, 118388.	3.9	0
39070	Partitioning of SWCNT mixtures using amphiphilic carbohydrate-based surfactants. Separation and Purification Technology, 2024, 343, 127120.	7.9	0
39071	Theoretical insight into the doubly antiaromatic carbon allotrope cyclo[16]carbon. Physical Chemistry Chemical Physics, 2024, 26, 10284-10288.	2.8	0
39072	Enhanced Adsorption of Methylene Blue Dye on Functionalized Multi-Walled Carbon Nanotubes. Nanomaterials, 2024, 14, 522.	4.1	0

#	ARTICLE	IF	CITATIONS
39073	Comparative analysis of the carbon nanotubes and emerging MXene for CO2 capture and storage. Chemical Engineering Research and Design, 2024, 185, 1012-1037.	5.6	0
39074	Bi-objective optimization of an EDM process with Cu-MWCNT composite tool using single-valued neutrosophic grey relational analysis. World Journal of Engineering, 0, , .	1.6	0
39075	Upgrading Lignin into Graphene-Based Materials: State of the Art and Perspectives. Advanced Energy and Sustainability Research, 0, , .	5.8	0
39076	Effect of drilling parameters on the surface roughness of CFRP. Materials Today: Proceedings, 2024, , .	1.8	0
39077	Nanoarchitectonics of point-of-care diagnostics for sweat biomarkers analysis. Nano Materials Science, 2024, , .	8.8	0
39078	Graphitization of Oak-Tree-Based White Charcoals by High Temperature Heat Treatment. Korean Journal of Chemical Engineering, 0, , .	2.7	0
39079	Tuning structural and electronic properties of Stanene-based nanotube by strain and transverse electric field: First-principles investigation. Physica B: Condensed Matter, 2024, 682, 415865.	2.7	0
39082	Post-buckling of Shear Deformable Nanocomposite Panels. Lecture Notes in Mechanical Engineering, 2024, , 30-36.	0.4	0
39083	MOF and its derivative materials modified lithium-sulfur battery separator: a new means to improve performance. Rare Metals, 2024, 43, 2418-2443.	7.1	0
39084	Promoted photocatalytic performances over Ti3+-B co-doped TiO2/BN with high carrier transfer and absorption capabilities driven by SWCNT addition. Materials Science in Semiconductor Processing, 2024, 177, 108364.	4.0	0
39085	Biocompatibility and Functionalization of Sustainable Nanomaterials. , 2024, , 201-218.		0
39086	Adsorptive removal of heavy metals from aqueous solutions: Progress of adsorbents development and their effectiveness. Environmental Research, 2024, 251, 118562.	7.5	0
39087	Sorting of Carbon Nanotubes Based on Dispersant Binding Affinities. Small Science, 0, , .	9.9	0
39088	Functionalization of Carbon Nanotubes in Polystyrene and Properties of Their Composites: A Review. Polymers, 2024, 16, 770.	4.5	0
39089	Recent Progress in Improving Rate Performance of Cellulose-Derived Carbon Materials for Sodium-Ion Batteries. Nano-Micro Letters, 2024, 16, .	27.0	0
39090	Imprinted CNTs field emission cathode for electron brushing. Journal of Physics: Conference Series, 2024, 2720, 012061.	0.4	0
39091	Buckling load prediction of functionally graded porous nanocomposite cylindrical shells reinforced with graphene platelets through the vibration correlation technique: Combination of analytical approach and numerical analysis. Mechanics of Advanced Materials and Structures, 0, , 1-19.	2.6	0
39092	On the Darcy-Forchheimer flow of carbon nanotubes nanofluid across a stretching surface for the impact of heat source/sink and Ohmic heating. Modern Physics Letters B, 0, , .	1.9	0

#	ARTICLE	IF	CITATIONS
39093	Versatile electrospinning technology on solid-state electrolytes for energy storage: A brief review. Journal of Energy Storage, 2024, 86, 111285.	8.1	0
39094	Development of cement nanocomposites reinforced by carbon nanotube dispersion using superplasticizers. Carbon Letters, 0, , .	5.9	0
39095	Buckling analysis of nonuniformly compressed rectangular FG-CNT reinforced laminated composite plate resting on elastic foundation: An analytical solution. Mechanics of Advanced Materials and Structures, 0, , 1-22.	2.6	0
39096	High-strength scalable carbon nanostructured sheets through mechanical densification. , 2024, 5, 100173.		0
39097	Superpentagraphene C34: A two-dimensional network structure of C20 fullerene. Materials Today Physics, 2024, 43, 101401.	6.0	0
39098	0D, 1D, 2D & 3D Nano Materials: Synthesis and Applications. Indian Institute of Metals Series, 2024, , 73-91.	0.3	0
39099	Fungal Carbon: A Cost-Effective Tunable Network Template for Creating Supercapacitors. Global Challenges, 2024, 8, .	3.6	0
39100	Insights into robust carbon nanotubes in tribology: From nano to macro. Materials Today, 2024, , .	14.2	0
39101	Influence of stone wales and divacancy defects on the dynamic behaviour of single layer graphene. AIP Conference Proceedings, 2024, , .	0.4	0
39102	Pair Diffraction Function Analysis of Conversion of a Fermat Scroll to an Archimedean Scroll in Multiwalled Carbon Nanotubes. Springer Proceedings in Materials, 2024, , 1-10.	0.3	0
39103	On the vibrational behavior of the conventional and hetero-junction carbon nanotubes. Materials Today Communications, 2024, 39, 108656.	1.9	0
39104	Two-Dimensional Carbon Graphenylene. , 2024, , 1-37.		0
39105	Bottom-up Synthesis of Carbon Materials with an Exceptionally High Percentage of Pentagons and Heptagons Using Brominated Precursors. , 2024, , .		0